					Required by State or			Removal would require	Requirement
0100 1 "					Fed Law or general	16.5	Federally delegated	state or federal law	on the agency
OAC Rule #	Paragraph	Restriction	Description/Quotation   If an NPDES permit for the activity is not in force, notice must be given to the director if the proposed	Statutory Authority?	authority?	If Fed, crosswalk?	program?	change?	or director?
3745-1-01	E1c	must	application is for any of the following.	6111 0/	11 federal	CWA Sec 104(L)(1)	Yes	VOC	no
3743-1-01	EIC	illust	application is for any of the following.	0111.02	+1 lederal	CVVA 3eC 104(L)(1)	res	yes	110
			On and after the effective date of this rule, the deposit of dredged material shall not result in a modeled						
3745-1-01	F1a	Shall	increase in "bioaccumulation" of a "bioaccumulative chemical of concern"	6111.04	state general authority		Yes	no	no
					State required ORC				
			Beginning on and after July 1, 2020, there shall be no deposit of dredged material unless the director		6111.32 (B) State 2020				
3745-1-01	F1b	Shall	authorizes	6111.04	11 Dredging ban		Yes	yes	no
3745-1-02	A	shall	Acronyms and abbreviations used in this chapter shall be defined as listed in this paragraph	6111.04	11 state general authority		Yes	no	no
2745 1 02	D	chall	Tochnical words used in this chanter shall be defined as listed in this paragraph	6111 0/	11 state general authority		Voc	200	no
3745-1-02	В	shall	Technical words used in this chapter shall be defined as listed in this paragraph	6111.02	state general authority		Yes	no	no
3745-1-02	B5	shall	The acute aquatic life criteria shall be met on the downstream perimeter of the acute mixing zone.	6111.04	11 state general authority		Yes	no	no
07.10 1 01		5.1.0.1	"Acute mixing zone" means the mixture of receiving water and effluent adjacent to a treated or untreated	0222.0					
			discharge within which the acute aquatic life criteria may be exceeded but the inside mixing zone maximum						
3745-1-02	B5	may not	criteria may not be exceeded	6111.04	state general authority		Yes	no	no
		·	(9)"Area of initial mixing" or "AIM" means the limited zone where discharge-induced mixing causes the						
			effluent to rapidly mix with the receiving water such that the area						
			may not be physically inhabitable to aquatic life. The inside mixing zone maximum criteria may be exceeded						
3745-1-02	B9	may not	within the AIM but shall be met on the perimeter of the AIM.	6111.04	state general authority		Yes	no	no
			(9)"Area of initial mixing" or "AIM" means the limited zone where discharge-induced mixing causes the						
			effluent to rapidly mix with the receiving water such that the area						
			may not be physically inhabitable to aquatic life. The inside mixing zone maximum criteria may be exceeded						
3745-1-02	В9	shall	within the AIM but shall be met on the perimeter of the AIM.	6111.04	11 state general authority		Yes	no	no
		l	The chronic aquatic life, human health, wildlife and agricultural water supply criteria shall be met on the				.,		
3745-1-02	B22	shall	downstream perimeter of the chronic mixing zone.	6111.04	state general authority		Yes	no	no
3745-1-02	B38	shall	All tributaries of estuaries shall be considered estuaries below the lake Erie mean high water level.	6111 0/	state general authority		Yes	no	no
3743-1-02	D36	Silali	The mixing zone shall be considered a place where wastewater and receiving water mix, not a place where	0111.05	11 State general authority		i les		110
3745-1-02	B62	shall	wastes are treated.	6111 04	state general authority		Yes	no	no
37.13.1.02	502	Silan	wastes the treatest.	0111.0	11 State general additiontly		163		110
			A pollution prevention alternatives analysis shall demonstrate a good faith effort by the discharger to review	,					
			equipment or technology modifications, process or procedure modifications, reformulation or redesign of						
3745-1-02	B74	shall	products, substitution of raw materials and improvements to housekeeping.	6111.04	state general authority		Yes	no	no
			The discharger is not required to implement a pollution prevention alternative if it is not technically or						
	B74	require	economically feasible.	6111.04	11 state general authority		Yes	no	no
3745-1-02	B77	shall	Aquatic species designated as representative shall satisfy one or more of the following	6111.04	state general authority		Yes	no	no
			Species that are representative of the ecological, behavioral, and physiological requirements and						
2745 4 02			characteristics of species determined in paragraphs (B)(77)(a) to (B)(77)(f) of this rule, but which themselves	6444.04			.,		
3745-1-02	B77	may not	may not be representative	6111.02	state general authority		Yes	no	no
			All methods of analysis used in applying any of the chemical-specific and bacteriological criteria in this						
			chapter shall be in accordance with those prescribed in 40 C.F.R. 136, except for chlorophyll a and pheophyti	n					
			a, which shall be in accordance with EPA method 445.0, and free cyanide, which shall be in accordance with						
3745-1-03	A1	shall	ASTM D7237-10, as cited in paragraph (B) of this rule.	6111.04	11 federal	40 CFR 136	Yes	yes	no
			All methods of analysis used in applying any of the chemical-specific and bacteriological criteria in this						
			chapter shall be in accordance with those prescribed in 40 C.F.R. 136, except for chlorophyll a and pheophyti	n					
			a, which shall be in accordance with EPA method 445.0, and free cyanide, which shall be in accordance with						
3745-1-03	A1	shall	ASTM D7237-10, as cited in paragraph (B) of this rule.	6111.04	11 federal	40 CFR 136	Yes	yes	no
			All methods of analysis used in applying any of the chemical-specific and bacteriological criteria in this						
			chapter shall be in accordance with those prescribed in 40 C.F.R. 136, except for chlorophyll a and pheophyti	n					
			a, which shall be in accordance with EPA method 445.0, and free cyanide, which shall be in accordance with						
3745-1-03	A1	shall	ASTM D7237-10, as cited in paragraph (B) of this rule.	6111.04	11 federal	40 CFR 136	Yes	yes	no
	P	1		3111.0	1		1	1 ===	[

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			All methods of sample collection and preservation used in applying any of the chemical-specific and						
			bacteriological criteria in this chapter shall be in accordance with "Surface Water Field Sampling Manual for						
3745-1-03	A2	shall	water quality parameters and flows" as cited in paragraph (B) of this rule.	6111 04	general authority		Voc	no	no
3743-1-03	AZ	Silali	Methods for conducting whole-effluent toxicity tests shall be in accordance with those prescribed in 40 C.F.R		general authority		Yes	no	no
3745-1-03	A3	shall	136, as cited in paragraph (B) of this rule.	6111.04	fodoral	40 CFR 136	Voc	V05	no
3745-1-03	A3	Stidil			lederal	40 CFR 136	Yes	yes	no
			Methods, data collection and data analysis requirements for applying the biological criteria in rule 3745-1-07		1 11 11 1				
0745 4 00			of the Administrative Code shall be in accordance with "Biological Criteria for the Protection of Aquatic Life"		general authority/				
3745-1-03	A5	shall	as cited in paragraph (B) of this rule.	6111.041	federal requires	40 CFR 131.11	Yes	yes	no
27.5 4 24	g		The following general water quality criteria shall apply to all surface waters of the state including mixing				.,		
3745-1-04	floating	shall	zones. To every extent practical and possible as determined by the director, these waters shall be as follows:	6111.041	federal - free froms	40 CFR 131.11	Yes	yes	no
2745 4 04	a		The following general water quality criteria shall apply to all surface waters of the state including mixing	6444.044		40.050.434.44			
3745-1-04	floating	shall	zones. To every extent practical and possible as determined by the director, these waters shall be as follows:	6111.041	federal - free froms	40 CFR 131.11	Yes	yes	no
			For the purposes of applying paragraph (F) of this rule the collection of water samples						
3745-1-04	G	shall	shall adhere to all of the following specifications:		general authority		Yes	no	no
			The samples shall be collected when flow is representative of steady state dry weather conditions, i.e., base						
3745-1-04	G1	shall	flow or delayed flow.		general authority		Yes	no	no
3745-1-04	G2	shall	The samples shall be collected at least two hours apart.		general authority		Yes	no	no
3745-1-04	G3	shall	The samples shall be collected over a time period not to exceed thirty days.		general authority		Yes	no	no
			Nothing in paragraph (F) or (G) of this rule shall limit or otherwise change the applicability of paragraphs (A)						
3745-1-04	H	shall	to (E) of this rule.	6111.042	general authority		Yes	no	no
			For the discharge of sanitary wastewater from alternative treatment technologies such as lagoon systems,						
			land application and controlled discharge systems, constructed wetland systems or combined sewer overflow						
3745-1-05	A3b	shall	control systems effluent limitations shall be developed on a case-by-case basis.	6111.041, 6111.12	state/federal	40 CFR 131.12(a)(2)	Yes	yes	no
			For industrial direct discharges subject to federal effluent guidelines, the facility						
			shall be designed to meet the most stringent of the new source performance standards, best conventional						
			pollutant control technology, best available technology economically achievable and best practicable control						
3745-1-05	A3c	shall	technology currently available for the appropriate categorical guidelines of 40 C.F.R. 400 to 40 C.F.R. 471.	6111.041, 6111.12	state/federal	40 CFR 131.12(a)(2)	Yes	yes	no
			For categorical industrial indirect dischargers, the facility shall be designed to meet categorical pretreatment						
			standards for existing sources or categorical pretreatment standards for new sources as contained in Chapte	r					
3745-1-05	A3d	shall	3745-3 of the Administrative Code.	6111.041, 6111.12	state/federal	40 CFR 131.12(a)(2)	Yes	yes	no
			For wastewater discharges resulting from clean-up of response action sites contaminated with volatile						
			organic compounds, the facility shall include air- stripping, carbon columns, both, or equivalent treatment						
			capable of achieving final thirty-day average effluent limits of five micrograms per liter or less for each						
3745-1-05	A3f	shall	individually regulated volatile organic compound.	6111.041, 6111.12	state/federal	40 CFR 131.12(a)(2)	Yes	yes	no
			"High quality waters" mean all surface waters of the state except limited quality waters. Pursuant to division						
			(A)(2) of section 6111.12 of the Revised Code, four categories of high quality waters are hereby recognized						
			and described in this paragraph. Categorizations of specific water bodies shall follow the procedures in						
3745-1-05	A10	shall	paragraph (E) of this rule.	6111.041, 6111.12	general authority		Yes	no	yes
			"Superior high quality waters" are surface waters that possess exceptional ecological values and that have						
			been so categorized pursuant to paragraph (E) of this rule. Except as provided in this rule, exceptional						
			ecological values shall be assessed based upon a combination of the presence of threatened or endangered						
3745-1-05	A10b	shall	species and a high level of biological integrity.	6111.041, 6111.12	state		Yes	yes	no
			The following factors shall be considered in determining exceptional ecological value: providing habitat for						
			Ohio or federal endangered species; providing habitat for Ohio threatened species; harboring stable						
			populations of a declining fish species that coincide with the presence of suitable habitat for that species, or						
			that coincide with an essential migration path between areas of suitable habitat for that species; and						
			displaying a level of biological integrity equivalent to the exceptional warmwater habitat index of biotic						
3745-1-05	A10b	shall	integrity or invertebrate community index criteria values listed in rule 3745-1-07 of the Administrative Code.	6111.041, 6111.12	state		Yes	yes	no
		- 1	The system shall be designed to allow a discharge during winter months and required land	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			-	,	-
3745-1-05	A11	shall	application of the wastewater during summer months.	6111.041, 6111.12	general authority		Yes	no	no
5775 1-05	D11	Juli	approacion of the wastewater during summer months.	0111.071, 0111.12	benefal authority			110	IIIO
			All other contemporaneous increases or decreases attributable to other pollutant sources affecting the						
			surface water segments under consideration and which are stipulated as a condition of the applicant's permi	i+					
2745_1 OF	A17bib	chall	and which shall occur during the term of the applicant's permit.	6111.041, 6111.12	state/federal	40 CED 121 12/5\/2\/::\	Voc	VOS	no
3745-1-05	WT/NIN	shall	Janu which shan occur during the term of the applicant's permit.	0111.041, 0111.12	plate/Teueral	40 CFR 131.12(a)(2)(ii)	1162	yes	no

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			All other contemporaneous increases or decreases attributable to other pollutant sources affecting the						
			surface water segments under consideration and which are stipulated as a condition of the applicant's perm						
3745-1-05	A17biib	shall	and which shall occur during the term of the applicant's permit.	6111.041, 6111.12	state/federal	40 CFR 131.12(a)(2)(ii)	Yes	yes	no
			"Permitted discharge flow" means the discharge flow specified in the national pollutant discharge elimination	n					
			system permit, or permit to install application if not specified in a national pollutant discharge elimination						
			system permit, and shall be representative of the typical wastewater flow to be discharged by a facility wher						
			the wastewater facility is operating at full capacity, and considering, where applicable, discharge flows durin						
3745-1-05	A21	shall	wet weather events.	6111.041, 6111.12	general authority		Yes	no	no
			Except as provided in paragraphs (B)(2), (D) and (F) of this rule, projects or activities covered under						
			paragraph (B)(1) of this rule shall be subject to an antidegradation review described in paragraph (C) of this						
3745-1-05	В	shall	rule.	6111.041, 6111.12	state/federal	40 CFR 131.12(a)(2)	Yes	yes	no
3745-1-05	B1	shall	This rule shall apply to the following:	6111.041, 6111.12	state/federal	40 CFR 131.12(a)(2)	Yes	yes	no
			Long term control plans shall address planned sewer connections and development tributary to the collection						
3745-1-05	B1a3	shall	system.	6111.041, 6111.12	general authority		Yes	no	no
			Only the portion of the flow that the existing source was capable of discharging as of July 1, 1993 shall not be	9					
3745-1-05	B2a	shall	subject to the rule provisions.	6111.041, 6111.12	general authority		Yes	no	no
			Local limits shall be established for the POTW pretreatment program, or equivalent, utilizing a ten per cent						
			safety factor when performing the evaluation related to effluent limitations to protect water quality						
3745-1-05	B2g	shall	standards.	6111.041, 6111.12	general authority		Yes	no	no
			This analysis shall include an evaluation of long-range plans outlined in state or local water quality						
3745-1-05	B3d	shall	management planning documents and applicable facility planning documents.	6111.041, 6111.12	state/federal	40 CFR 131.12(a)(2)(ii)	Yes	yes	no
			(4) Applications for section 401 water quality certifications are exempt from paragraph (B)(3) of this rule.						
			Required submissions shall be determined in accordance with section 6111.30 of the Revised Code, Chapter						
3745-1-05	B4	shall	3745-32 of the Administrative Code and rules 3745-1-50 to 3745-1-54 of the Administrative Code	6111.041, 6111.12	general authority		Yes	no	no
			Existing uses, which are determined using the use designations defined in rule 3745-1-07 of the						
			Administrative Code, and the level of water quality necessary to protect existing uses, shall be maintained						
3745-1-05	C1	shall	and protected.	6111.041, 6111.12	state/federal	40 CFR 131.12(a)(2)	Yes	yes	no
			The director shall, pursuant to paragraph (C) of rule 3745-1-07 of the Administrative Code, prohibit increased	b					
			concentrations of specific regulated pollutants that are incompatible with the attainment or restoration of						
3745-1-05	C1	shall	the designated use.	6111.041, 6111.12	state/federal	40 CFR 131.12(a)(2)	Yes	yes	yes
			Existing wetland uses, as defined in rule 3745-1-53 of the Administrative Code, shall be maintained and						
3745-1-05	C1	shall	protected in accordance with rules 3745-1-50 to 3745-1-54 of the Administrative Code.	6111.041, 6111.12	state/federal	40 CFR 131.12(a)(2)	Yes	yes	no
			Except as provided in paragraph (D)(2) of this rule, any net increase in the discharge of a specific regulated						
			pollutant resulting from a modification or new source shall, as a minimum, be controlled through best						
3745-1-05	C2	shall	available demonstrated control technology relative to the specific regulated pollutant	6111.041, 6111.12	state/federal	40 CFR 131.12(a)(2)	Yes	yes	no
			Feasible management or regulatory programs pursuant to sections 208, 303 and 319 of the act shall be						
3745-1-05	C2	shall	applied to nonpoint sources	6111.041, 6111.12	state/federal	40 CFR 131.12(a)(2)	Yes	yes	no
			Except as provided in paragraphs (B)(2) and (D) of this rule, the director shall provide for public participation						
			and intergovernmental coordination prior to taking action on all activities covered by paragraph (B)(1) of this	5					
3745-1-05	C3	shall	rule using the provisions of this paragraph.	6111.041, 6111.12	state/federal	40 CFR 131.12(a)(2)	Yes	yes	yes
			In accordance with Chapter 3745-49 of the Administrative Code, the director shall publish a public notice						
			within thirty days regarding receipt of any permit application or state isolated wetland permit application			40 CFR 131.12(a)(2), 40			
3745-1-05	C3a	shall	covered by paragraph (B)(1) of this rule.	6111.041, 6111.12	state/federal	CFR 124.10	Yes	yes	yes
			The purpose of such notice shall be to allow for inspection and review of the application, to indicate that the						
			project is subject to the provisions of this rule and whether any of the exclusions or waivers described in						
3745-1-05	C3a	shall	paragraph (D) of this rule apply	6111.041, 6111.12	general authority		Yes	no	no
			Public notice for section 401 water quality certification applications shall be published pursuant to the						
3745-1-05	C3a	shall	requirements in section 6111.30 of the Revised Code.	6111.041, 6111.12	state		Yes	yes	yes
			Notices shall be sent by first class mail to all persons on the mailing list created pursuant to paragraph						
3745-1-05	C3a	shall	(C)(3)(d) of this rule.	6111.041, 6111.12	general		Yes	no	yes
			The director shall develop an informational fact sheet for each permit or activity for which a public notice is						
3745-1-05	C3b	shall	issued in accordance with paragraph (C)(3)(a) of this rule	6111.041, 6111.12	state/federal	40 CFR 124.8	Yes	yes	yes
3745-1-05	C3b	shall	The purpose of such fact sheet shall be to:	6111.041, 6111.12	general authority		Yes	no	no
					·				
			These fact sheets shall be sent by first class mail, or alternative means as requested, to all persons on the		state - need to look at				
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			All notices of public hearings required by paragraphs (C)(3)(e) and (C)(3)(f) of this rule shall be published onc						
3745-1-05	C3c	shall	in a newspaper having general circulation in the county where the source, activity or facility is located	3745.07	state		Yes	yes	yes
3745-1-05	C3c	shall	The notice shall be published at least forty-five days before the hearing.	6111.041, 6111.12	state		Yes	yes	yes
			Notices of hearings shall also be sent by first class mail, or by alternative means as requested, to all persons	, ,					
3745-1-05	C3c	shall	on the mailing list created pursuant to paragraph (C)(3)(d) of this rule.	3745.07	state		Yes	yes	yes
			The director shall develop and maintain a list of persons and organizations who have expressed an interest in						
			or may, by the nature of their purposes, activities or members, be affected by or have an interest in	6111.041, 6111.12,					
3745-1-05	C3d	shall	antidegradation reviews.	3745.07	state		Yes	yes	yes
3745-1-05	C3e	shall	Within ninety days of receipt of the application, the director shall hold a public hearing	6111.041, 6111.12	state		Yes	yes	yes
			This public hearing shall be for the purpose of evaluating issues related to lower water quality and shall be						
3745-1-05	C3e	shall	prior to and separate from a public hearing on the proposed or draft action on the application	6111.041, 6111.12	state		Yes	yes	no
			This public hearing shall be for the purpose of evaluating issues related to lower water quality and shall be						
3745-1-05	C3e	shall	prior to and separate from a public hearing on the proposed or draft action on the application	6111.041, 6111.12	state		Yes	yes	no
			For general high quality waters other than category 3 wetlands and for limited quality waters, the director						
3745-1-05	C3f	shall	shall hold a public hearing	6111.041, 6111.12	state		Yes	yes	yes
	_		A public hearing shall be held for the issuance of any draft general national pollutant discharge elimination						
3745-1-05	C3f	shall	system permit.	6111.041, 6111.12	state		Yes	yes	yes
			The director shall hold public hearings relative to issues of lower water quality as a concurrent hearing at the						
3745-1-05	C3f	shall	time of the draft or proposed action.	6111.041, 6111.12	state		Yes	yes	yes
	_		For section 401 water quality certification applications and state isolated wetland permit applications, the						
3745-1-05	C3f	shall	public hearing shall precede any action of the director.	6111.041, 6111.12	state		Yes	yes	yes
			A public notice of the director's proposed or draft action regarding the activity and its potential to lower	6111.041, 6111.12,					
3745-1-05	C3g	shall	water quality shall be published following the procedures in Chapter 3745-49 of the Administrative Code.	3745.07	state/federal	40 CFR 124.10	Yes	yes	yes
			The director shall provide notification by first class mail, or alternative means as requested, to all interested						
3745-1-05	C3g	shall	parties identified through the procedures in paragraph (C)(3) of this rule.	3745.07	state/federal		Yes	yes	yes
			The director shall notify the Ohio department of natural resources, the United States fish and wildlife services	2,					
			the United States environmental protection agency and any affected local areawide planning agencies of all						
3745-1-05	C3h	shall	proposed activities that may lower water quality.	6111.041, 6111.12	federal	33 USC 1313(e)	Yes	yes	yes
			the director shall notify the Ohio department of development and any affected local governmental units. Th						
3745-1-05	C3h	shall	director or the other agencies may initiate additional intergovernmental coordination.	6111.041, 6111.12	federal	33 USC 1313(e)	Yes	yes	yes
			The director shall impose the following requirements on all activities covered by paragraph (B)(1) of this rule	2					
27.5 4 25			that discharge to outstanding national resource waters, or that discharge upstream of outstanding national			10.055.101.101.1(0)(0)(0)	.,		
3745-1-05	C4	shall	resource waters.	6111.041, 6111.12	state/federal	40 CFR 131.12(a)(2)(ii)	Yes	yes	yes
2745 4 05	64		Present ambient water quality in outstanding national resource waters shall not be degraded for any	5444 044 5444 42		40 050 424 424 \/2\/"\	.,		
3745-1-05	C4a	shall	substance.	6111.041, 6111.12	state/federal	40 CFR 131.12(a)(2)(ii)	Yes	yes	no
			For section 401 water quality certifications for outstanding national resource waters, demonstration of						
			avoidance, minimization and mitigation of impacts shall serve as the applicant's non-degradation, minimal						
2745 1 05	CAA	ah a II	degradation and mitigative technique alternatives analysis as required in paragraph (B) of rule 3745-32-03 of the Administrative Code.		state /foderal	40 CED 121 12(a)(2)(::)	Vas		
3745-1-05	C4d	shall	the Administrative Code.	6111.041, 6111.12	state/federal	40 CFR 131.12(a)(2)(ii)	Yes	yes	no
			For waters other than outstanding national resource waters and limited quality waters, the director shall						
			1 , , ,						
			impose the following requirements on all activities covered by paragraph (B)(1) of this rule, except that for						
2745 1 05	CE	chall	section 401 water quality certifications and state isolated wetland permits pursuant to section 6111.024 of	6111 041 6111 12	state/foderal	40 CER 131	Voc	vos.	V05
3745-1-05	C5	shall	the Revised Code for high quality waters that are wetlands  , the director shall impose the requirements specified in rules 3745-1-50 to 3745-1-54 of the Administrative	6111.041, 6111.12	state/federal	40 CFR 131.	Yes	yes	yes
2745 1 05	CE	chall		6111.041, 6111.12	gonoral authority		Voc	200	V05
3745-1-05	C5	shall	Code in lieu of paragraphs (C)(5) and (C)(8) of this rule.	0111.041, 0111.12	general authority		Yes	no	yes
			the director may apply the items in paragraphs (CVEVa) to (CVEVIA) and (CVEVIA) to (CVEVIA) of this suita						
			, the director may apply the items in paragraphs (C)(5)(a) to (C)(5)(f) and (C)(5)(k) to (C)(5)(m) of this rule,						
			may consider cumulative impacts as defined in paragraph (I) of rule 3745-1-50 of the Administrative Code,						
2745 1 05	CE	chall	and shall consider whether the wetland is scarce regionally or statewide and the feasibility of replacing that		gonoral authority		Voc	no	vos
3745-1-05	C5	shall	wetland type, in making a decision whether to allow the lowering of water quality.  For section 401 water quality cortifications for high quality waters, other than wetlands, demonstration of	6111.041, 6111.12	general authority		Yes	no	yes
			For section 401 water quality certifications for high quality waters, other than wetlands, demonstration of						
			avoidance, minimization and mitigation of impacts shall serve as the applicant's non- degradation, minimal	f					
2745 1 05	CE	chall	degradation and mitigative technique alternatives analysis as required in paragraph (B) of rule 3745-32-03 of		fodoral	40 CEP 121 12	Voc	vos	no
3745-1-05	C5	shall	the Administrative Code.	6111.041, 6111.12	federal	40 CFR 131.12	Yes	yes	no

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3745-1-05	C5	shall	Any lowering of water quality shall not exceed the limitations specified in paragraph (C)(6) of this rule.	6111.041, 6111.12	general authority		Yes	no	no
			When making determinations regarding proposed activities that lower water quality the director shall			40 CFR 131.12, 40 CFR			
3745-1-05	C5	shall	consider the following:	6111.041, 6111.12	state/federal	132, Part E	Yes	yes	yes
			In addition to the other provisions of paragraph (C) of this rule, the director shall not allow water quality to						i
			be lowered by more than as specified in this paragraph when acting on applications or activities covered by						
3745-1-05	C6	shall	paragraph (B)(1) of this rule.	6111.041, 6111.12	general authority		Yes	no	yes
			For outstanding state waters, the director shall reserve seventy per cent of the remaining available pollutant	t i	,				
3745-1-05	C6a	shall	assimilative capacity	6111.041, 6111.12	general authority		Yes	no	yes
			Except as provided in paragraph (C)(7) of this rule, the reserved portion shall not be allocated to any source		,				,
			unless, and to the extent that, the source demonstrates that a smaller reserve will adequately protect						
3745-1-05	C6a	shall	resident or representative species.	6111.041, 6111.12	general authority		Yes	no	yes
			The requirements of this paragraph shall not apply to any water body categorized as outstanding state wate	r					İ
3745-1-05	C6a	shall	solely because of its exceptional recreational value.	6111.041, 6111.12	general authority		Yes	no	no
			For lake Erie, new and existing sources shall be limited to the water body pollutant assimilative capacity as		·				
3745-1-05	C6b	shall	defined in paragraph (A)(28)(b) of this rule.	6111.041, 6111.12	general authority		Yes	no	no
				·	,				
			For superior high quality waters, other than lake Erie and those waters covered by paragraph (C)(6)(e) of this	s					
3745-1-05	C6c	shall	rule, the director shall reserve thirty-five per cent of the remaining available pollutant assimilative capacity	6111.041, 6111.12	general authority		Yes	no	yes
			Except as provided in paragraph (C)(7) of this rule, the reserved portion shall not be allocated to any source	· ·	,				•
1			unless, and to the extent that, the source demonstrates that a smaller reserve will adequately protect						
3745-1-05	C6c	shall	resident or representative species.	6111.041, 6111.12	general authority		Yes	no	yes
			The higher set aside shall be established for specific pollutants or classes of pollutants through rule making		Us a second second				7
3745-1-05	C6c	shall	pursuant to paragraph (E) of this rule.	6111.041, 6111.12	general authority		Yes	no	ves
			har and har all the first of th	, ,	<b>3</b>				7
3745-1-05	C6e	shall	For outstanding state waters so categorized because of exceptional recreational value the director shall:	6111.041, 6111.12	general authority		Yes	no	ves
			No permit shall be granted if the director finds that the project or discharge will result in a significant long		general submitted			112	7
3745-1-05	C6ei	shall	term increase in the frequency and duration of bacteriological pollution.	6111.041, 6111.12	general authority		Yes	no	ves
			The director shall assess each proposed activity covered by paragraph (B)(1) or		80	40 CFR 131.12, 40 CFR		112	1
3745-1-05	C8a	shall	(F) of this rule on a case-by-case basis	6111.041, 6111.12	state/federal	Part 132, Appendix E	Yes	yes	yes
37 13 1 03	Cou	Silan	For each proposed activity, the director shall weigh the information acquired relative to the proposal, that	0111.0 (1), 0111.112	State/reactar	r are 132, rependix 2	103	763	763
			was submitted by the applicant or otherwise obtained by the director, and all comments presented during			40 CFR 131.12, 40 CFR			
3745-1-05	C8a	shall	the public review period, including intergovernmental comments,	6111.041, 6111.12	state/federal	Part 132, Appendix E	Yes	yes	ves
37 13 1 03	Cou	Silan	Any action of the director issuing a permit to install or a national pollutant discharge elimination system	0111.0 (1) 0111.12	state/reactar	40 CFR 131.12, 40 CFR	103	763	763
			permit covered under paragraph (B)(1) or (F) of this rule shall be preceded by a draft action and shall be			Part 132, Appendix E, 40			
3745-1-05	C8b	shall	issued in accordance with Chapter 3745-49 of the Administrative Code.	6111.041, 6111.12	state/federal	CFR 124.6	Yes	yes	yes
37 13 1 03	200	Silan	Any action of the director issuing a permit to install or a national pollutant discharge elimination system	0111.0 (1) 0111.12	state/reactar	40 CFR 131.12, 40 CFR	100	763	yes
			permit covered under paragraph (B)(1) or (F) of this rule shall be preceded by a draft action and shall be			Part 132, Appendix E, 40			
3745-1-05	C8b	shall	issued in accordance with Chapter 3745-49 of the Administrative Code.	6111.041, 6111.12	state/federal	CFR 124.6	Yes	ves	ves
3743 1 03	COD	Silali	issacu iii accordance with Chapter 3743 43 of the Administrative code.	0111.041, 0111.12	state/rederar	CI N 124.0	103	ycs	ycs
			Any action of the director denying a permit to install or a national pollutant discharge elimination system						
			permit covered under paragraph (B)(1) or (F) of this rule shall be preceded by a proposed action and shall be			ORC 119.06, ORC			
3745-1-05	C8c	shall	issued in accordance with Chapter 3745-49 of the Administrative Code.	6111.041, 6111.12	state	6111.06	Yes	yes	yes
3743 1 03	COC	Silali	issacu iii accordance with Chapter 3743 43 of the Administrative code.	0111.041, 0111.12	State	0111.00	103	ycs	ycs
			Any action of the director denying a permit to install or a national pollutant discharge elimination system						
			permit covered under paragraph (B)(1) or (F) of this rule shall be preceded by a proposed action and shall be			ORC 119.06, ORC			
3745-1-05	C8c	shall	issued in accordance with Chapter 3745-49 of the Administrative Code.	6111.041, 6111.12	state	6111.06	Yes	Vec	yes
3743-1-03	Coc	Silali	issued in accordance with Chapter 3743-43 of the Administrative Code.	0111.041, 0111.12	State	0111.00	163	yes	yes
			Any action of the director on a section 401 water quality certification covered under paragraph (B)(1) or (F) of	of		ORC 119.06, ORC			
3745-1-05	C8d	shall	this rule shall be taken in accordance with Chapters 3745-32 and 3745-49 of the Administrative Code.	6111.041, 6111.12	state	6111.06	Yes	VOC	VAC
3743-1-03	Cou	SIIdii	Any action of the director on a state isolated wetland permit application submitted pursuant to section	0111.041, 0111.12	state	0111.00	163	yes	yes
			6111.024 of the Revised Code and covered under paragraph (B)(1) or (F) of this rule shall be taken in			ORC 119.06, ORC			
3745-1-05	C8e	shall	accordance with Chapter 3745-49 of the Administrative Code.	6111.041, 6111.12	state	6111.06	Yes	yes	yes
2142-1-02	COE	SIIdii	In determining the applicability of any of the following exclusions, the evaluation shall not only consider	0111.041, 0111.12	State	0111.00	163	yes	yes
			potential effects or impacts to the receiving waters, but also to any subsequent waters potentially affected						
2745 1 05	D1	shall		6111 041 6111 12	gonoral authority		Vos	no	W05
3745-1-05	D1	shall	by the discharge or activity.  Treatment byproducts of combined sewer overflow discharges (e.g., chlorine for disinfection) shall be	6111.041, 6111.12	general authority		Yes	no	yes
2745 1 05	D1 -	ah all		6111 041 6144 43	gonoral authority		Voc	n 0	
3745-1-05	D1c	shall	excluded from review.	6111.041, 6111.12	general authority		Yes	no	yes
			The director's determination on this matter shall be based upon the antidegradation review process specifie	u					
2745 4 05	Dat		in paragraph (C) of this rule, unless otherwise excluded from such review pursuant to paragraph (D) of this	C111 044 C444 43	managed south south		Vas		
3745-1-05	D2b	shall	rule.	6111.041, 6111.12	general authority		Yes	no	yes

						1	1		
			Nothing in this rule shall prohibit the director from approving activities that lower water quality on a						
			temporary basis whenever the director determines that an emergency exists requiring immediate action to						
3745-1-05	D4	shall	protect public health and welfare.	6111.041, 6111.12	state	ORC 6111.06	Yes	yes	yes
			The director shall issue any such approval in accordance with division (C) of section 6111.06 of the Revised			000011100			
3745-1-05	D4	shall	Code and rule 3745-47-19 of the Administrative Code.	6111.041, 6111.12	state	ORC 6111.06	Yes	yes	yes
			All surface waters of the state meeting the definition of limited quality waters are so categorized, unless the						
3745-1-05	E1b	shall	water body is the source of drinking water for a public water supply, in which case it shall be considered a general high quality water for the purposes of this rule.	6111.041, 6111.12	general authority		Vos	200	wos
3745-1-05	EID	Shall	At least once every three years, the director, in consultation with the director of the department of natural	6111.041, 6111.12	general authority		Yes	no	yes
			resources, shall consider available information on water bodies in Ohio and determine appropriate high						
3745-1-05	E2	shall	quality water categorizations.	6111.041, 6111.12	general authority		Yes	no	yes
37 13 1 03		Silan	Each determination shall consider attributes of exceptional recreational or ecological value, the national	0111.011, 0111.12	general authority		103		763
3745-1-05	E2	shall	significance of the water body, and other existing and planned uses of the water body.	6111.041, 6111.12	federal	40 CFR 132, Appendix E	Yes	yes	yes
				, ,		, , , , , , , , , , , , , , , , , , ,		,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
			If the director identifies any waters not properly categorized, the director shall public notice the director's						
3745-1-05	E2	shall	intent to categorize them to the appropriate category upon consideration of public comment.	6111.041, 6111.12	general authority		Yes	no	yes
			The director shall categorize outstanding national resource waters, outstanding state waters and superior			40 CFR 131.12, 40 CFR			
3745-1-05	E2	shall	high quality waters in tables 5-4 to 5-7 of this rule.	6111.041, 6111.12	state/federal	132, Appendix E	Yes	yes	yes
			A person adversely affected by the high quality water categorization of a water body pursuant to paragraph						
			(E)(1) or (E)(2) of this rule may petition the director to revise that categorization. Any such petition shall						
			detail the basis for the petition and contain, at a minimum, new relevant and factual information, or relevant	t					
			and factual information not previously available to the director at the time of the categorization described in	1					
3745-1-05	E3	shall	paragraph (E)(1) or (E)(2) of this rule.	6111.041, 6111.12	general authority		Yes	no	no
			Within three months of receiving a petition containing complete and adequate information, or within such						
			longer time as the director and the petitioner may agree, the director shall either approve or propose to den			ORC 119.06, ORC			
3745-1-05	E3	shall	the petition in accordance with Chapter 119. of the Revised Code.	6111.041, 6111.12	state	6111.06	Yes	yes	yes
			The director shall subsequently make appropriate revisions to the high quality water categorization of the						
27.5 4 25			water body in tables 5-4 to 5-7 of this rule, as appropriate, in accordance with Chapter 119. of the Revised			ORC 119.06, ORC			
3745-1-05	E3	shall	Code.	6111.041, 6111.12	state	6111.06	Yes	yes	yes
			Any grade matition shall datail the basis for the matition and contain sufficient information, are grade additional						
			Any such petition shall detail the basis for the petition and contain sufficient information, or such additional						
3745-1-05	E4a	shall	information as the director may request, to justify a decision by the director to either retain the set aside percentage, remove the set aside percentage or establish site specific set asides for one or more pollutants.	6111.041, 6111.12	general authority		Yes	no	no
3745-1-05	E4b	shall	the director shall establish a revised, site-specific set aside for that or those pollutants.	6111.041, 6111.12	general authority		Yes	no	ves
3743 1 03	LTD	Silali	the director shall establish a revised, site specific set aside for that or those pollutarits.	0111.041, 0111.12	general authority		103	110	ycs
			The revised site-specific set aside for each pollutant shall be set at the percentage of the remaining available						
			pollutants' assimilative capacity that the director concludes, based on the available scientific evidence, must						
			be preserved to adequately protect the attributes that justified designation of the water body as an						
3745-1-05	E4b	shall	outstanding state water or superior high quality water.	6111.041, 6111.12	general authority		Yes	no	ves
			the director shall either approve, approve with modifications or propose to deny the petition in accordance	·	,	ORC 119.06, ORC			,
3745-1-05	E4c	shall	with Chapter 119. of the Revised Code.	6111.041, 6111.12	state	6111.06	Yes	yes	yes
			The director shall subsequently make appropriate revision to the high quality water categorization of the						
			water body in tables 5-4 to 5-7 of this rule, as appropriate, in accordance with Chapter 119. of the Revised			ORC 119.06, ORC			
3745-1-05	E4c	shall	Code.	6111.041, 6111.12	state	6111.06	Yes	yes	yes
			The following special provisions are applicable to the discharge or release to the environment of any						
			bioaccumulative chemical of concern in the lake Erie drainage basin. Unless otherwise noted, these						
3745-1-05	F	shall	requirements shall apply in addition to the provisions found in paragraphs (A) to (E) of this rule.	6111.041, 6111.12	federal	40 CFR 132, Appendix E	Yes	yes	no
			In lieu of the requirements of paragraph (B)(1) of this rule, any significant lowering of water quality as						
2745 1 25			described in paragraph (F)(2) of this rule shall require the applicant to submit the information required by	6444 044 6444 44	6 1 1	40 CED 100 1 " =			
3745-1-05	F1	shall	paragraph (B)(3) of this rule and to complete the demonstration required by paragraph (F)(3) of this rule.	6111.041, 6111.12	federal	40 CFR 132 Appendix E	Yes	yes	no
2745 1 05	F1	ah all	The director shall establish conditions in the control document that meet the requirements of paragraph	6111 041 6144 43	fodoral	40 CED 422 Accessed: 5	Voc	was	was
3745-1-05	F1 F3	shall shall	(F)(4) of this rule.	6111.041, 6111.12	federal	40 CFR 132, Appendix E		yes	yes
3745-1-05	r3	snall	The antidegradation demonstration shall include the following:	6111.041, 6111.12	federal	40 CFR 131.12	Yes	yes	no
			For limited quality waters and high quality waters, the director shall ensure that no action resulting in a						
			lowering of water quality occurs unless an antidegradation demonstration has been completed pursuant to						
			paragraphs (B)(3) and (F)(3) of this rule and the information thus provided is determined by the director						
3745-1-05	F4	shall	pursuant paragraph (C) of this rule to adequately support the lowering of water quality.	6111.041, 6111.12	federal	40 CFR 132 Appendix E	Ves	Ves	ves
2/42-1-02	1 4	Silali	[parsuant paragraph (c) of this rule to adequately support the lowering of water quanty.	0111.041, 0111.12	Ireaciai	140 CLIV 132 Appendix E	163	yes	усэ

<b>t</b>					T		_		
			The director shall establish conditions in the control document applicable to the regulated facility that						
3745-1-05	F4a	shall	prohibit the regulated facility from undertaking any deliberate action,	6111.041, 6111.12	federal	40 CFR 132 Appendix E	Yes	yes	yes
			For bioaccumulative chemicals of concern known or believed to be present in a discharge, from a point or						
3745-1-05	F4b	shall	nonpoint source, a monitoring requirement shall be included in the control document.	6111.041, 6111.12	federal	40 CFR 132 Appendix E	Yes	yes	no
			The control document shall also include a provision requiring the source to notify the director of any						
			increased loadings that would be subject to the provisions of the paragraph (F)(2) of this rule and which have						
3745-1-05	F4b	shall	not received approval from the director under the conditions specified in this rule.	6111.041, 6111.12	federal	40 CFR 132 Appendix E	Yes	yes	no
			Upon notification, the director shall require actions as necessary to reduce or eliminate the increased loading						
3745-1-05	F4b	shall	if the increase is subject to the provisions of the paragraph (F)(2) of this rule.	6111.041, 6111.12	federal	40 CFR 132 Appendix E	Yes	yes	yes
			Requirements to reduce or eliminate the increased loading imposed by the director pursuant to this						
			paragraph shall apply unless or until the director approves the increased loadings under the provisions						
3745-1-05	F4b	shall	specified in this rule.	6111.041, 6111.12	federal	40 CFR 132 Appendix E	Yes	yes	no
			Fact sheets prepared pursuant to 40 C.F.R. 124.8 and 124.56 shall reflect any conditions developed under						
3745-1-05	F4c	shall	paragraph (F) of this rule and included in a permit.	6111.041, 6111.12	federal	40 CFR 132 Appendix E	Yes	yes	no
			To qualify on the basis of exceptional ecological values they must meet the qualifications for superior high						
			quality waters and be further distinguished as being demonstratively among the best waters of the state						
3745-1-05	A10c	must	from an ecological perspective.	6111.041, 6111.12	general authority		Yes	no	no
			To qualify on the basis of exceptional recreational values they must provide outstanding or unique						
3745-1-05	A10c	must	opportunities for recreational boating, fishing or other personal enjoyment.	6111.041, 6111.12	general authority		Yes	no	no
			Except as provided in paragraphs (B)(2), (B)(4), (D) and (F) of this rule, the applicant covered by paragraph			40 CFR 131.12, 40 CFR			
3745-1-05	В3	must	(B)(1) of this rule must submit documentation of the following:	6111.041, 6111.12	federal	132, Appendix E	Yes	yes	no
3745-1-05	C7	must	In order for a credit project to be considered for approval, the proposal must:	6111.041, 6111.12	general		Yes	no	no
			A lower set aside must be established through rule making and incorporated into tables established in						
3745-1-05	C7b	must	paragraph (E) of this rule.	6111.041, 6111.12	general authority		Yes	no	yes
3745-1-05	D5	must	The following conditions must be met for this waiver to apply:	6111.041, 6111.12	general authority		Yes	no	no
			The petition must contain sufficient information, or such additional information as the director may request,						
			to justify a decision by the director to either revise or retain the categorization under paragraph (E)(1) or						
3745-1-05	E3	must	(E)(2) of this rule.	6111.041, 6111.12	general authority		Yes	no	no
			The revised site-specific set aside for each pollutant shall be set at the percentage of the remaining available						
			pollutants' assimilative capacity that the director concludes, based on the available scientific evidence, must						
			be preserved to adequately protect the attributes that justified designation of the water body as an						
3745-1-05	E4b	must	outstanding state water or superior high quality water.	6111.041, 6111.12	general authority		Yes	no	no
			Any entity seeking to significantly lower water quality for a bioaccumulative chemical of concern, as defined						
			in paragraph (F)(2) of this rule, in a limited quality water or high quality water must, in addition to the						
			requirement in paragraph (B)(3) of this rule, submit an antidegradation demonstration for consideration by						
3745-1-05	F3	must	the director pursuant to the review requirements of this paragraph and paragraph (C) of this rule.	6111.041, 6111.12	federal	40 CFR 132, Appendix E	Yes	yes	no
			The system shall be designed to allow a discharge during winter months and required land application of the						
3745-1-05	A11	require	wastewater during summer months.	6111.041, 6111.12	general authority		Yes	no	no
					<u> </u>				
			A national pollutant discharge elimination system permit associated with a coal remining site where no						
			individual section 401 water quality certification is required for the remining operation and where the						
			director determines that the proposed discharge meets the criteria for modified effluent limits for a pollution						
3745-1-05	B2i	require	abatement area as that term is defined under 40 C.F.R. 434.70.	6111.041, 6111.12	general authority		Yes	no	no
					3				
			Required submissions shall be determined in accordance with section 6111.30 of the Revised Code, Chapter						
3745-1-05	B4	require	3745-32 of the Administrative Code and rules 3745-1-50 to 3745-1-54 of the Administrative Code.	6111.041, 6111.12	general authority		Yes	no	no
3745-1-05	C2	require	Required treatment technology, nonpoint source controls.	6111.041, 6111.12	general authority		Yes	no	no
	-	24	More stringent treatment may be required pursuant to paragraph (C)(8) of this rule, or if needed to meet	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	3				
3745-1-05	C2	require	water quality standards.	6111.041, 6111.12	general authority		Yes	no	no
		- 4	For section 401 water quality certifications for outstanding national resource waters, demonstration of	, :	3				
			avoidance, minimization and mitigation of impacts shall serve as the applicant's non-degradation, minimal						
			degradation and mitigative technique alternatives analysis as required in paragraph (B) of rule 3745-32-03 of						
3745-1-05	C4d	require	the Administrative Code.	6111.041, 6111.12	general authority		Yes	no	no
		require	For section 401 water quality certifications for high quality waters, other than wetlands, demonstration of		Decision and additionity		. 55	110	110
			avoidance, minimization and mitigation of impacts shall serve as the applicant's non-degradation, minimal						
			degradation and mitigation definition in impacts shall serve as the applicant's holf-degradation, minimal degradation and mitigative technique alternatives analysis as required in paragraph (B) of rule 3745-32-03 of						
3745-1-05	C5	require	the Administrative Code.	6111.041, 6111.12	general authority		Ves	no	no
21+7-T-02	CJ	require	The Administrative code.	0111.041, 0111.12	general authority		Yes	no	IIIO

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			The director may require the applicant to implement a non-degradation alternative, a minimal degradation						
			alternative or a mitigative technique alternative to offset all or part of the proposed lowering of water						
3745-1-05	C5	require	quality, if the director determines that the alternative is technically feasible and economically justifiable.	6111.041, 6111.12	federal	40 CFR 131.12	Yes	VOC	no
3743-1-03	C3	require	quality, if the director determines that the alternative is technically reasible and economically justinable.	0111.041, 0111.12	leuerar	40 CFK 131.12	res	yes	IIIO
			Require a cost beneficial, technically feasible or available non-degradation, minimal degradation or mitigativ	e					
3745-1-05	C8aiii	require	technique alternative that would result in no or a lesser lowering of water quality.	6111.041, 6111.12	federal	40 CFR 131.12	Yes	yes	no
		'		,				,	
			In lieu of the requirements of paragraph (B)(1) of this rule, any significant lowering of water quality as						
			described in paragraph (F)(2) of this rule shall require the applicant to submit the information required by						
3745-1-05	F1	require	paragraph (B)(3) of this rule and to complete the demonstration required by paragraph (F)(3) of this rule.	6111.041, 6111.12	federal	40 CFR 132 Appendix E	Yes	yes	
		·		,		.,		,	
			In lieu of the requirements of paragraph (B)(1) of this rule, any significant lowering of water quality as						
			described in paragraph (F)(2) of this rule shall require the applicant to submit the information required by						
3745-1-05	F1	require	paragraph (B)(3) of this rule and to complete the demonstration required by paragraph (F)(3) of this rule.	6111.041, 6111.12	federal	40 CFR 132 Appendix E	Yes	yes	
07.10 1 00			paragraph (5)(5) or this rate and to complete the demonstration required by paragraph (1)(6) or this rate.	011110 11, 0111111		TO GITT 2027 Appendix 2		7 00	
			In lieu of the requirements of paragraph (B)(1) of this rule, any significant lowering of water quality as						
			described in paragraph (F)(2) of this rule shall require the applicant to submit the information required by						
3745-1-05	F1	require	paragraph (B)(3) of this rule and to complete the demonstration required by paragraph (F)(3) of this rule.	6111.041, 6111.12	federal	40 CFR 132 Appendix E	Ves	yes	
3743 1 03	1-	require	Construction of a new regulated facility or modification of an existing regulated facility such that a new or	0111.0+1, 0111.12	reactar	40 CFR 132 Appendix E	163	yes	
3745-1-05	F2ai	require	modified control document is required.	6111.041, 6111.12	federal	40 CFR 132 Appendix E	Voc	yes	no
3743 1 03	1 201	require	Upon notification, the director shall require actions as necessary to reduce or eliminate the increased loading		reactai	40 CFR 132 Appendix L	103	ycs	110
3745-1-05	F4b	require	if the increase is subject to the provisions of the paragraph (F)(2) of this rule.	6111.041, 6111.12	federal	40 CFR 132 Appendix E	Voc	yes	no
3743-1-03	140	require	New sources may not discharge directly to outstanding national resource waters, and may not discharge at	0111.041, 0111.12	lederal	40 CFR 132 Appendix L	163	yes	110
			points located upstream from outstanding national resource waters unless it can be demonstrated by the						
3745-1-05	C4c	maynat	applicant that the chemical and biological quality of the outstanding national resource water will not be adversely affected.	6111.041, 6111.12	federal	40 CFR 131.12	Voc	voc.	20
3743-1-03	C4C	may not	New sources may not discharge directly to outstanding national resource waters, and may not discharge at	0111.041, 0111.12	rederai	40 CFR 151.12	Yes	yes	no
			points located upstream from outstanding national resource waters unless it can be demonstrated by the						
2745 4 05	C4-		applicant that the chemical and biological quality of the outstanding national resource water will not be	6111 011 6111 12	£	40 CED 424 42	V		
3745-1-05	C4c	may not	adversely affected.  For general high quality waters and limited quality waters, water quality may not be lower than the	6111.041, 6111.12	federal	40 CFR 131.12	Yes	yes	no
						40 CED 121 12 40 CED			
2745 1 05	CC4		applicable water quality criteria for the water body, unless authorized by a water quality standard variance	C111 041 C111 12	fodoral	40 CFR 131.12, 40 CFR	Vac		
3745-1-05	C6d	may not	issued in accordance with appropriate rules.  The director shall, pursuant to paragraph (C) of rule 3745-1-07 of the Administrative Code, prohibit increased	6111.041, 6111.12	federal	131.14	Yes	yes	no
				<sup>1</sup>					
2745 4 05	C1	prohibit	concentrations of specific regulated pollutants that are incompatible with the attainment or restoration of	6111 011 6111 12	-+-+- /f	40 CFR 131.12	V		
3745-1-05	C1	pronibit	the designated use.	6111.041, 6111.12	state/federal	40 CFR 131.12	Yes	yes	yes
			Nothing in this rule shall prohibit the director from approving activities that lower water quality on a						
2745 4 05	D.4		temporary basis whenever the director determines that an emergency exists requiring immediate action to	6111 011 6111 12	-4-4-	000 0111 00	V		
3745-1-05	D4	prohibit	protect public health and welfare.	6111.041, 6111.12	state	ORC 6111.06	Yes	yes	no
			The director shall establish conditions in the control document applicable to the regulated facility that						
			prohibit the regulated facility from undertaking any deliberate action, such that there would be an increase i	n					
			the rate of mass loading of any bioaccumulative chemical of concern, unless an antidegradation						
2745 4 05	F.4	1.11.11	demonstration is provided to the director and approved pursuant to paragraph (C) of this rule prior to	6444 044 6444 42		40 CED 433 A	.,		
3745-1-05	F4a	prohibit	commencement of the action.	6111.041, 6111.12	federal	40 CFR 132 Appendix E	Yes	yes	yes
			E 1						
			For the purpose of establishing a mixing zone other than as specified in rule 3745-2-05 of the Administrative						
2745 4 06			Code, a mixing demonstration, subject to review by Ohio EPA, shall be performed in accordance with this	6111.041, 6111.12,		40 CED 424 42	v		
3745-1-06	C	shall	rule.	6111.03	General	40 CFR 131.13	Yes	yes	no
2745 1 00	_	ala - II	All pairing range demonstrations shall fulfill the following:	6111.041, 6111.12,	Compred/f-d	40 CED 121 12	Vas		
3745-1-06	E .	shall	All mixing zone demonstrations shall fulfill the following:	6111.03	General/ federal	40 CFR 131.13	Yes	yes	no
2745 4 66	F4.7	-t- " ·	Conditions within the mixing zone shall not be injurious to human health, in the event of a temporary	6111.041, 6111.12,	Company 1/6	40 CED 424 42	V		
3745-1-06	E17	shall not	exposure during recreation, such that scalding or burns would result.	6111.03	General/ federal	40 CFR 131.13	Yes	yes	no
			The mixing zone demonstration shall be submitted to Ohio EPA for review and comment. Following receipt o						
			Ohio EPA's comments, the applicant shall resubmit the demonstration, if necessary, addressing Ohio EPA's	6111.041, 6111.12,					
3745-1-06	F	shall	comments.	6111.03	General/ federal	40 CFR 131.13	Yes	yes	no
			The mixing zone demonstration shall be submitted to Ohio EPA for review and comment. Following receipt of						
			Ohio EPA's comments, the applicant shall resubmit the demonstration, if necessary, addressing Ohio EPA's	6111.041, 6111.12,					
3745-1-06	F	shall	comments	6111.03	General/ federal	40 CFR 131.13	Yes	yes	no

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				6444 044 6444 42		40 CED 422 A			
2745 4 26			For sources discharging to lake Erie or other non-flowing waters, any adjustment to the dilution ratio shall be			40 CFR 132 Appendix			
3745-1-06	G	shall	limited to the dilution available in the area where discharge-induced mixing occurs.	6111.03	General/ federal	F.3.	Yes	yes	no
			The mixing zone demonstration shall be based on the assumption that a pollutant does not degrade within	6111.041, 6111.12,					
3745-1-06	Н	shall	the proposed mixing zone, unless both of the following:	6111.03	General/ federal	40 CFR 131.13	Yes	yes	no
				6111.041, 6111.12,					
3745-1-06	I	shall	An AIM demonstration shall be preceded by the submittal of the following to Ohio EPA:	6111.03	General/ federal	40 CFR 131.13	Yes	yes	no
			The discharger shall complete a pollution prevention alternatives assessment and show that application of						
			cost-effective pollution prevention practices, where practical and possible, will not preclude the need for an						
3745-1-06	l1	shall	AIM	6111.03	General/ federal	40 CFR 131.13	Yes	yes	no
			Applicable pollution prevention practices shall be in place, or planned for implementation, before	6111.041, 6111.12,					
3745-1-06	l1	shall	modification or installation of a discharge structure for an approved AIM.	6111.03	General/ federal	40 CFR 131.13	Yes	yes	no
			The discharger shall show that improved treatment, where practical and possible, will not preclude the need						
			for an AIM, or that the cost of such treatment would be economically detrimental to the discharger and its	6111.041, 6111.12,					
3745-1-06	12	shall	community.	6111.03	General/ federal	40 CFR 131.13	Yes	yes	no
			The assessments shall include a cost/benefit analysis that represents the costs and benefits of the AIM to the	1					
3745-1-06	12	shall	environment, receiving water biota, and the citizens of Ohio as well as to the discharger and local residents.	6111.03	General/ federal	40 CFR 131.13	Yes	yes	no
			The discharger shall explain how an AIM and discharge structure may impact the environment in and around	6111.041, 6111.12,					
3745-1-06	13	shall	the proposed site.	6111.03	General/ federal	40 CFR 131.13	Yes	yes	no
			The discharger shall point out endangered species, important habitats and recreational uses of the area and	6111.041, 6111.12,					
3745-1-06	13	shall	any potential impact to them.	6111.03	General/ federal	40 CFR 131.13	Yes	yes	no
				6111.041, 6111.12,		CWA Sections 401 and			
3745-1-06	13	shall	The discharger shall also address the impact of the construction process on the environment.	6111.03	General/State/Federal	404 may be applicable	Yes	yes	no
			The discharger shall submit proposed site and structure information for Ohio EPA's use in determining	6111.041, 6111.12,		CWA Sections 401 and			
3745-1-06	14	shall	habitat-related restrictions.	6111.03	General/State/Federal	404 may be applicable	Yes	yes	no
				6111.041, 6111.12,					
3745-1-06	K	shall	An AIM shall be limited to the space around the discharge structure according to the following restrictions:	6111.03	General/federal	40 CFR 131.13	Yes	yes	no
				6111.041, 6111.12,					
3745-1-06	K1	shall not	An AIM shall not extend beyond both of the following radial distances from the discharge port:	6111.03	General/federal	40 CFR 131.13	Yes	yes	no
			This site-specific information shall be used in conjunction with restrictions in paragraphs (K)(3) and (K)(4) of	6111.041, 6111.12,					
3745-1-06	K2	shall	this rule to size the AIM.	6111.03	General/federal	40 CFR 131.13	Yes	yes	no
			An AIM shall be limited to the point where any discharge plume contacts the receiving water surface, bank,						
			or bottom or contacts another discharge plume (mixture of effluent and receiving water) from the same	6111.041, 6111.12,					
3745-1-06	К3	shall	discharge structure.	6111.03	General/federal	40 CFR 131.13	Yes	yes	no
			An AIM shall also be limited to the point where any discharge plume decreases in center-line velocity						
			(velocity at the geometric center of the plume) to 0.5 meters per second or a minimum center-line velocity,						
			determined through a scientifically defensible demonstration, above which native fish species and other	6111.041, 6111.12,					
3745-1-06	К3	shall	aquatic life are unable or unlikely to inhabit.	6111.03	General/federal	40 CFR 131.13	Yes	yes	no
			An AIM shall not contact or block access to important aquatic habitat areas including, but not limited to,	6111.041, 6111.12,	•				
3745-1-06	K4	shall not	tributaries, inlets, bays, wetlands, spawning grounds, and important feeding areas.	6111.03	General/federal	40 CFR 131.13	Yes	yes	no
			General location and structural restrictions. The discharge structure producing the AIM shall not: be exposed	d					
			above the water surface under stream design flow or historical low-level conditions except at the bank;						
			significantly alter the natural currents and erosion and deposition patterns of the receiving water; or cause	6111.041, 6111.12,					
3745-1-06	K5	shall not	significant bottom scouring	6111.03	General/federal	40 CFR 131.13	Yes	yes	no
			, , , , , , , , , , , , , , , , , , ,	-	,			<u> </u>	
			The distance between the edge of the AIM and any other discharge or AIM in the receiving water shall equal	6111.041, 6111.12,					
3745-1-06	K6a	shall	or exceed five times the local stream width or one hundred meters, whichever is greater.	6111.03	General/federal	40 CFR 131.13	Yes	yes	no
	-		The distance between the edge of an AIM and any intake of a drinking water source shall equal or exceed te		,			<u>'</u>	
3745-1-06	K6b	shall	times the local stream width or two hundred meters, whichever is greater.	6111.03	General/federal	40 CFR 131.13	Yes	yes	no
				6111.041, 6111.12,			-	,	
3745-1-06	K6b	shall	The discharger shall demonstrate that the effluent plume will not impact an intake under any flow condition		General/federal	40 CFR 131.13	Yes	yes	no
		0.1311	The distance between the edge of the AIM and any other discharge or AIM in the receiving water shall equal		25			,	
3745-1-06	К7а	shall	or exceed two hundred meters.	6111.03	General/federal	40 CFR 131.13	Yes	yes	no
5,75 1 00	IX7 u	Silali	The distance between the edge of an AIM and any intake of a drinking water source shall equal or exceed five		Jeneraly reactar	10 CI N 101.10	100	7-5	110
3745-1-06	K7b	shall	hundred meters.	6111.03	General/federal	40 CFR 131.13	Yes	yes	no
3/73-1-00	K/U	Silali	The discharger shall also demonstrate that the effluent plume will not impact the intake under any variation	1	Jeneral/Tederal	TO CI IV 131.13	103	yes	110
2745 1 06	⊬7h	chall	· · · · · · · · · · · · · · · · · · ·		Ganaral/fodoral	40 CEP 121 12	Voc	vos	no
3745-1-06	K7b	shall	in current or lake level.	6111.03	General/federal	40 CFR 131.13	Yes	yes	no

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				6111.041, 6111.12,					
3745-1-06	K7d	shall	Structures sited close to shore or in shallow water shall be more strictly limited.	6111.03	General/federal	40 CFR 131.13	Yes	yes	no
				6111.041, 6111.12,					
3745-1-06	K8	shall not	Construction or modification of the discharge structure producing the AIM shall not	6111.03	General/federal	40 CFR 131.13	Yes	yes	no
			Both of the following waste flow velocities shall be maintained from each port of the discharge structure	6111.041, 6111.12,					
3745-1-06	K9a	shall	under all discharge and ambient conditions	6111.03	General/federal	40 CFR 131.13	Yes	yes	no
			The discharge structure shall be designed such that any discharge to the receiving water may completely	6111.041, 6111.12,					
3745-1-06	К9с	shall	cease if the waste flow is insufficient to maintain the required velocities.	6111.03	General/federal	40 CFR 131.13	Yes	yes	no
			It shall also be designed such that changes in waste flow can be accommodated quickly, without major	6111.041, 6111.12,				· ·	
3745-1-06	К9с	shall	changes to the structure and without bypassing the discharge structure.	6111.03	General/federal	40 CFR 131.13	Yes	yes	no
			71 0 0		,			,	
			For flowing streams, acute mixing zones and chronic mixing zones shall be sized on a case- by-case basis at	6111.041, 6111.12,					
3745-1-06	l l	shall	the director's discretion using any appropriate restrictions listed in paragraphs (F), (H), (I) and (J) of this rule.		General/federal	40 CFR 131.13	Yes	yes	yes
37 13 1 00		Silan	For lake Erie or non-flowing waters, acute mixing zones and chronic mixing zones shall be sized according to		deneral, reactar	10 0111 131113	163	763	703
3745-1-06	М	shall	both of the following:	6111.03	General/federal	40 CFR 131.13	Yes	yes	no
3743 1 00	141	Silan	both of the following.	6111.041, 6111.12,	General/reactar	40 CH (131.13	103	yes	110
3745-1-06	M1	shall	Acute mixing zones shall be sized on a case-by-case basis.	6111.03	General/federal	40 CFR 131.13	Voc	voc	was
3745-1-00	IVII	Sildii	· ·		General/Tederal	40 CFK 151.15	Yes	yes	yes
2745 1 06	142	ah a II	Chronic mixing zones shall be sized on a case-by-case basis and at the director's discretion using any	6111.041, 6111.12,	Compared /fordowel	40 CED 121 12	Vas		
3745-1-06	M2	shall	appropriate restrictions listed in paragraphs (F), (H), (I) and (J) of this rule.	6111.03	General/federal	40 CFR 131.13	Yes	yes	yes
			A mixing zone shall not extend to within one hundred meters of a drinking water intake unless the director	C111 041 C111 12					
2745 4 26	0.42		accepts a scientifically defensible demonstration from the discharger indicating that the mixing zone can	6111.041, 6111.12,	C	40 CED 434 13	V		
3745-1-06	M2a	shall not	safely extend closer to the intake.	6111.03	General/federal	40 CFR 131.13	Yes	yes	no
			The maximum dilution available from the mixing zone to meet chronic criteria shall be fifty parts lake water						
			to one part effluent or the dilution available within sixty meters, whichever is smaller, unless the director						
			accepts a scientifically valid demonstration from the discharger indicating that an alternative dilution ratio is						
3745-1-06	M2b	shall	appropriate.	6111.03	General/federal	40 CFR 131.13	Yes	yes	no
				6111.041, 6111.12,					
3745-1-06	M2c	shall not	The mixing zone shall not extend beyond the point where discharge induced mixing occurs.	6111.03	General/federal	40 CFR 131.13	Yes	yes	no
			Mixing zones shall not be established by Ohio EPA for BCCs, beyond the dates established in rule 3745-2-05	6111.041, 6111.12,					
3745-1-06	N	shall not	of the Administrative Code, unless one of the following exceptions is met:	6111.03	General/federal	40 CFR 131.13	Yes	yes	yes
			Any mixing zone exceptions granted shall be reevaluated for each successive permit application in which a						
			mixing zone for the BCCs is sought, shall ensure that the discharger has developed and conducted a pollutan	t					
			minimization program for the BCCs, and that alternative means for reducing BCCs elsewhere in the	6111.041, 6111.12,					
3745-1-06	N2d	shall	watershed have been evaluated.	6111.03	Federal	40 CFR 132	Yes	yes	yes
			Any mixing zone exceptions granted shall be reevaluated for each successive permit application in which a						
			mixing zone for the BCCs is sought, shall ensure that the discharger has developed and conducted a pollutan	t					
			minimization program for the BCCs, and that alternative means for reducing BCCs elsewhere in the	6111.041, 6111.12,					
3745-1-06	N2d	shall	watershed have been evaluated.	6111.03	Federal	40 CFR 132	Yes	yes	yes
			A thermal mixing zone, which allows dilution and cooling of a waste heat discharge, shall be considered a	6111.041, 6111.12,					
3745-1-06	01	shall	region in which organism response to temperature is time-dependent.	6111.03	General/federal	40 CFR 131.13	Yes	yes	no
			Exposure to temperatures in a thermal mixing zone shall not cause an irreversible response that results in	6111.041, 6111.12,					
3745-1-06	O1a	shall not	deleterious effects to the wildlife and aquatic life representative of the receiving waters.	6111.03	General/federal	40 CFR 131.13	Yes	yes	no
			The daily average temperature in a thermal mixing zone at the point nearest to the discharge that is		2.7.22.0.0.			1	1
			accessible to the resident aquatic organisms shall not exceed the temperatures in table 1 of this rule at the	6111.041, 6111.12,					
3745-1-06	O1b	shall not	corresponding ambient temperature.	6111.03	General/federal	40 CFR 131.13	Yes	yes	no
5 2 55		5			Jeneral, reactar			100	
			At ambient temperatures of fifty-nine degrees Fahrenheit (fifteen degrees Celsius) and above, the daily	6111.041, 6111.12,					
3745-1-06	O1c	shall	average temperature in a thermal mixing zone shall be determined on a case-by-case basis.	6111.03	General/federal	40 CFR 131.13	Yes	yes	yes
5, 13 1 00	010	Jiluii	are age temperature in a thermal mixing zone shall be determined on a case by case basis.	3111.03	Jeneraly reactal	10 0.11 131.13	100	,	yes
			Thermal mixing zone size limitations shall be established by the director pursuant to paragraph (O)(1) of this	6111.041, 6111.12,					
3745-1-06	O2	shall	rule in accordance with paragraph (E) of this rule for all point source discharges subject to permit.	6111.041, 6111.12,	General/federal	40 CFR 131.13	Yes	VAS	yes
3773-1-00	02	SHall	Any request for a thermal mixing zone in one of the following waters shall be preceded by an evaluation of	6111.03	General/Tederal	70 CI N 131.13	103	yes	yes
2745 1 06	03	chall	treatment alternatives that would preclude the need for a mixing zone.		Ganaral/fadaral	40 CFR 131.13	Voc	vos	ves
3745-1-06	03	shall		6111.03	General/federal	40 CFR 131.13	Yes	yes	yes
			This evaluation shall include a cost benefit analysis that presents the costs and benefits of the mixing zone to						
2745 4 00	03	<b>.</b>	the environment, receiving water biota, and the citizens of Ohio, as well as to the discharger and local	6111.041, 6111.12,	C	40 CED 434 13	V		
3745-1-06	03	shall	residents.	6111.03	General/federal	40 CFR 131.13	Yes	yes	no
			The thermal mixing zone shall not cause an increase in pathogens that would contribute to an impairment or						
		<b>.</b>	a designated use in any area of the water body outside the mixing zone; nor shall the thermal mixing zone	6111.041, 6111.12,					
3745-1-06	03	shall not	cause nuisance growths, colors or odors from harmful, toxic, invasive or noxious organisms.	6111.03	General/federal	40 CFR 131.13	Yes	yes	no

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			The sharmed activity and the House are in constructed as a first term of the sharmed activity and the same in construction and the sharped activity and the same in construction and the same	£					
			The thermal mixing zone shall not cause an increase in pathogens that would contribute to an impairment o						
2745 4 26			a designated use in any area of the water body outside the mixing zone; nor shall the thermal mixing zone	6111.041, 6111.12,	0 1/6 1		.,		
3745-1-06	03	shall	cause nuisance growths, colors or odors from harmful, toxic, invasive or noxious organisms.	6111.03	General/federal	40 CFR 131.13	Yes	yes	no
			Any thermal mixing zone request involving a new or expanded discharge must also evaluate other discharge						
3745-1-06	04	must	alternatives as required by rule 3745-1-05 of the Administrative Code.	6111.03	General/federal	40 CFR 131.13	Yes	yes	no
			Any thermal mixing zone request involving a new or expanded discharge must also evaluate other discharge						
3745-1-06	04	require	alternatives as required by rule 3745-1-05 of the Administrative Code.	6111.03	General/federal	40 CFR 131.13	Yes	yes	no
			Daily average temperatures of thermal mixing zones for all waters other than lake Erie at corresponding						
			ambient temperatures as required in paragraph (O)(1) of this rule. Shown as degrees Fahrenheit and	6111.041, 6111.12,					
3745-1-06	O5a	require	(Celsius).	6111.03	General/federal	40 CFR 131.13	Yes	yes	no
			Daily average temperatures of thermal mixing zones for lake Erie at corresponding ambient temperatures as						
3745-1-06	O5b	require	required in paragraph (O)(1) of this rule. Shown as degrees Fahrenheit and (Celsius).	6111.03	General/federal	40 CFR 131.13	Yes	yes	no
			The director shall designate these waters in consultation with the director of the Ohio department of natura						
3745-1-07	B1fi	shall	resources		1 General		Yes	no	yes
3745-1-07	B1fii	shall	The director shall designate these waters based upon results of use attainability analyses.	6111.04	1 federal	40 CFR 131.10	Yes	yes	yes
			For water bodies in the lake Erie drainage basin, the designation of water bodies as limited resource waters						
			shall include demonstrations that the "Outside Mixing Zone Average" water quality criteria and values and						
			chronic whole effluent toxicity levels are not necessary to protect the designated uses and aquatic life						
3745-1-07	B1g	shall	pursuant to rule 3745-1-39 of the Administrative Code.	6111.04	1 general authority		Yes	no	no
			The director shall evaluate the existing designated use and, where not attainable, propose to change the						
3745-1-07	C2	shall	designated use.	6111.04	1 federal	40 CFR 131.10	Yes	yes	yes
			Where the designated use is attainable and the cause of the nonattainment has been established, the						
			director shall, wherever necessary and appropriate, implement regulatory controls or make other			40 CFR 130, 40 CFR			
3745-1-07	C2	shall	recommendations regarding water resource management to restore the designated use.	6111.04	1 federal	122.44(d)	Yes	yes	yes
			Additional regulatory controls shall not be imposed on point sources that are meeting all applicable chemical	ıl					
3745-1-07	C2	shall not	specific and whole effluent criteria unless all of the following	6111.04	1 General		Yes	no	yes
			The use attainability analysis must demonstrate that the extant fauna is substantially degraded and that the						
			potential for recovery of the fauna to the level characteristic of any other aquatic life habitat is realistically						
3745-1-07	B1g	must	precluded due to natural background conditions or irretrievable human induced conditions.	6111.04	1 general authority		Yes	no	no
			The potential for habitat improvements must be precluded due to regular stream channel maintenance						
3745-1-07	B1gii	must	required for drainage purposes.	6111.04	1 general authority		Yes	no	no
			The potential for habitat improvements must be precluded due to regular stream channel maintenance						
3745-1-07	B1gii	require	required for drainage purposes.	6111.04	1 general authority		Yes	no	no
			The director may require effluent disinfection, as a term or condition of a national pollutant discharge						
			elimination system (NPDES) permit, administrative findings and orders or a judicial order, during the months	;					
			outside the recreation season if necessary to protect an unusually high level of water based recreation						
3745-1-07	В3	require	activity such as, but not limited to	6111.04	1 general authority		Yes	no	no
3745-1-26	Е	shall	The following uses, criteria and conditions shall apply to the Cuyahoga river ship channe	6111.04	1 general authority		Yes	no	no
3745-1-26	E1	shall	This seasonal and stream flow related use shall be recognized and protected through this rule.	6111.04	1 general authority		Yes	no	no
			During the months of June to January, and during the remaining months of the year whenever the river flow	,					
			is less than seven hundred and three cubic feet per second at the United States geological survey gage at						
			Independence (#04208000), the aquatic life use shall be limited resource water - navigation maintenance as						
3745-1-26	E2ai	shall	defined in rule 3745-1-07 of the Administrative Code.	6111.04	1 general authority		Yes	no	no
			During the months of February to May whenever the river flow equals or exceeds seven hundred and three						
			cubic feet per second at the United States geological survey gage at Independence (#04208000), the aquatic						
3745-1-26	E2aii	shall	life use shall be fish passage	6111.04	1 general authority		Yes	no	no
			The criteria and other provisions to protect the designated uses of the ship channel shall be those set forth i	n					
3745-1-26	E3	shall	rules 3745-1-01 to 3745-1-07 and 3745-1-35 of the Administrative Code with the following exceptions:		1 general authority		Yes	no	no
			The limited resource water dissolved oxygen criterion shall be 1.5 mg/l minimum. No dissolved oxygen		,				
3745-1-26	E3a	shall	average criteria apply.	6111.04	1 general authority		Yes	no	no
			The fish passage criteria shall be the same as the warmwater habitat criteria in rule 3745-1-35 of the						-
			Administrative Code, with the exception that the biological criteria in rule 3745-1-07 of the Administrative						
3745-1-26	E3b	shall	Code do not apply	6111.04	1 general authority		Yes	no	no
		1	1	5222.01.	10		,		I <del></del>

			Pursuant to United States environmental protection agency regulations (40 C.F.R. Part 130.7), the director						
			shall utilize the phased total maximum daily load approach as a means of progressing toward attainment of						
3745-1-26	E4	shall	the dissolved oxygen criteria established in paragraph (E)(3) of this rule.	6111.041	federal	40 CFR 130.7	Yes	yes	yes
			Based on the background presented in paragraph (E)(1) of this rule and extensive data collection and analysi	s					
3745-1-26	E4	shall	the following total maximum daily load components shall be established for oxygen demanding substances:		general authority		Yes	no	yes
3745-1-26	E4a	shall	The wasteloads for point sources shall be those presented in table 26-1 of this rule.		general authority		Yes	no	no
743-1-20	L4a	Silali	The total maximum daily load shall include a component for expected dissolved oxygen enhancement	0111.041	general authority		163	110	110
			through such means as, but not limited to, off channel re- aeration, sediment remediation and flow						
3745-1-26	E4b	shall	augmentation.	6111 041	general authority		Yes	no	yes
743 1 20	LTD	Shan	augineritation.	0111.041	general authority		163	110	yes
			An evaluation of the site-specific technical and cost feasibility aspects of implementing off channel re-						
			aeration shall be the first scheduled phase of the Cuyahoga river ship channel total maximum daily load. This	:					
3745-1-26	E4c	shall	evaluation shall be completed no later than two years after the adoption of this rule.		general authority		Yes	no	ves
7.13 1 20	2.10	Silan	evaluation shall be completed no later than two years after the dauption of this fale.	0111.011	Benefarauthority		163	110	763
			An evaluation of the site-specific technical and cost feasibility aspects of implementing off channel re-						
			aeration shall be the first scheduled phase of the Cuyahoga river ship channel total maximum daily load. This	:					
3745-1-26	E4c	shall	evaluation shall be completed no later than two years after the adoption of this rule.		general authority		Yes	no	ves
7.13 1 20	2.10	Shan	Implementation of off channel re-aeration or other dissolved oxygen enhancement measures, and any	0111.011	Benefaladiloney		163	110	763
			wasteload allocation for permit 3PA00002 for oxygen demanding substances, shall occur only after these						
3745-1-26	E4d	shall	components of the total maximum daily load are incorporated into this rule.	6111 0/1	general authority		Yes	no	ves
3745-1-26	E6	shall	These standards shall be reviewed, and revised if appropriate, every three years.	6111.041		40 CFR 131.20	Yes	ves	ves
743 1 20	LO	Silali	Pursuant to Section 118 of the act (the "Great Lakes Critical Programs Act of 1990") the director shall	0111.041	reactar	40 CI N 131.20	103	ycs	yc3
			continue to develop the Cuyahoga river remedial action plan - stage two report in conjunction with the						
3745-1-26	E6	shall	Cuyahoga river remedial action plan coordinating committee.	6111.041	federal	33 USC 1268	Yes	yes	ves
743 1 20	LO	Silali	cuyanoga river remediai action pian coordinating committee.	0111.041	reactar	33 030 1200	103	yes	ycs
			Studies undertaken as part of the remedial action plan and the feasibility study conducted pursuant to						
3745-1-26	E6	shall	paragraph (E)(4)(c) of this rule shall be important components of the standards review process.	6111 041	general authority		Yes	no	no
7.0120		5.16.1	In this instance the concept must consider the expectation of dissolved oxygen enhancement through means		Beneral authority				
3745-1-26	E4	must	other than additional point and nonpoint source load reductions.		general authority		Yes	no	no
			There shall be no water temperature changes as a result of human activity that cause mortality, long-term		80		1.00	112	
			avoidance or exclusion from habitat, or adversely affect the reproductive success of representative aquatic						
3745-1-31	B1	shall	species.	6111.041, 6111.12	general authority		Yes	no	no
			At no time shall water temperature exceed the average or daily maximum temperatures indicated in	,	,				
3745-1-31	B2	shall	paragraphs (A) and (B) of table 31-1 of this rule.	6111.041, 6111.12	general authority		Yes	no	no
			The temperature of the hypolimnetic waters of lake Erie shall not exceed at any time the daily maximum						
3745-1-31	В3	shall not	temperatures indicated in paragraph (C) of table 31-1 of this rule.	6111.041, 6111.12	general authority		Yes	no	no
			For the months of May to October, the maximum allowable level of fecal coliform bacteria shall not exceed						
			two hundred per one hundred ml as a monthly geometric mean based on not less than five samples per		general authority/				
3745-1-32	Α	shall not	month	6111.041	federal required		Yes	no	no
					·				
			Content shall not exceed one hundred thirty per one hundred ml as a monthly geometric mean, based on no	t	general authority/				
3745-1-32	Α	shall not	less than five samples per month, nor exceed two hundred forty per one hundred ml in any sample	6111.041	federal required		Yes	no	no
			For the months of November to April, the maximum allowable level of fecal coliform bacteria shall not						
			exceed two thousand per one hundred ml as a geometric mean based on not less than five samples per		general authority/				
3745-1-32	Α	shall not	month.	6111.041	federal required		Yes	no	no
			A minimum of 5.0 mg/l at any time shall be maintained during the April fifteen to June fifteen spawning						
3745-1-32	Α	shall	season.	6111.041	general authority		Yes	no	no
			Gross total alpha particle activity (including radium-226, but excluding radon and uranium) shall not exceed						
3745-1-32	А	shall not	fifteen picocuries per liter (pci/l) and combined radium-226 and radium-228 shall not exceed four pci/l.	6111.041	general authority		Yes	no	no
			Gross total alpha particle activity (including radium-226, but excluding radon and uranium) shall not exceed						
3745-1-32	А	shall not	fifteen picocuries per liter (pci/l) and combined radium-226 and radium-228 shall not exceed four pci/l.		general authority		Yes	no	no
3745-1-32	Α	shall not	The concentration of total gross beta particle activity shall not exceed fifty pci/l.		general authority		Yes	no	no
3745-1-32	A	shall not	The concentration of total strontium-90 shall not exceed eight pci/l.	6111.041	general authority		Yes	no	no
			The chemical specific criteria listed in table 33-1 of this rule, or site-specific modifications thereof, apply as						
		I		i	1	1			1
			"Outside Mixing Zone Averages" and shall apply to all water bodies located within five hundred yards of						

<del></del>		<u> </u>				1		<u> </u>	
			For the purpose of setting water quality based offlyant limits, these criteria shall be met after the offlyant						
			For the purpose of setting water quality based effluent limits, these criteria shall be met after the effluent and the receiving water are reasonably well mixed as provided in rules 3745-1-06 and 3745-2-05 of the						
2745 1 22	A 1	chall	, ,	6111 041	gonoral authority	40 CED 121 12	Vos	200	no
3745-1-33	A1	shall	Administrative Code.  The methodologies contained in rules 3745-1-41 and 3745-1-42 of the Administrative Code shall be used	6111.041	general authority	40 CFR 131.13	Yes	no	no
			when adopting or revising numeric human health criteria and when implementing the narrative water quality						
3745-1-33	A3	shall	criteria contained in rule 3745-1-04 of the Administrative Code.	6111 0/1	Federal required	40 CFR 132	Yes	voc	no
3745-1-33	AS	Silali	Criteria contained in rule 5745-1-04 of the Administrative Code.	0111.041	rederai required	40 CFR 152	res	yes	110
			For the purpose of setting water quality based effluent limits, the criteria shall be met after the effluent and						
			the receiving water are reasonably well mixed as provided in rules 3745-1-06 and 3745-2-05 of the						
3745-1-33	B1	shall	Administrative Code.	6111 0/11	general authority	40 CFR 131.13	Yes	no	no
3743 1 33	D1	Silali	Administrative code.	0111.041	general authority	40 CFR 131.13	103	110	110
			The water quality criteria for the protection of agricultural uses, or site-specific modifications thereof,						
			adopted in, or developed pursuant to, this rule shall apply outside the mixing zone to all water bodies						
3745-1-33	B2	shall	assigned the agricultural water supply use designation.	6111.041	general authority	40 CFR 131.13	Yes	no	no
			and the second s		80			110	
			The chemical specific criteria listed in table 34-1 of this rule, or site-specific modifications thereof, apply as						
3745-1-34	Α	shall	"Outside Mixing Zone Averages" and shall apply to all water bodies.	6111.041	general authority	40 CFR 131.13	Yes	no	no
					,				
			For the purpose of setting water quality based effluent limits, these criteria shall be met after the effluent						
			and the receiving water are reasonably well mixed as provided in rules 3745-1-06 and 3745-2-05 of the						
3745-1-34	Α	shall	Administrative Code.	6111.041	general authority	40 CFR 131.13	Yes	no	no
			The methodologies contained in rules 3745-1-41 and 3745-1-42 of the Administrative Code shall be used						
			when adopting or revising numeric human health criteria and when implementing the narrative water quality						
3745-1-34	С	shall	criteria contained in rule 3745-1-04 of the Administrative Code.	6111.041	federal required	40 CFR 132	Yes	yes	yes
			For the purpose of setting water quality based effluent limits, the criteria which apply "Outside Mixing Zone"						
			shall be met after the effluent and the receiving water are reasonably well mixed as provided in rules 3745-1-						
3745-1-35	Α	shall	06 and 3745-2-05 of the Administrative Code.	6111.041	general authority	40 CFR 131.13	Yes	no	no
			The criteria listed as "Inside Mixing Zone Maximum" shall be applicable as end-of-pipe maximum effluent						
			limits or as criteria to be met within a short distance of the effluent pipe except as provided in rule 3745-2-08						
3745-1-35	A	shall	of the Administrative Code.		federal requirement	CWA - Free froms.	Yes	yes	no
3745-1-35	В	shall	The water quality criteria adopted in, or developed pursuant to, this rule shall apply as follows:	6111.041	general authority		Yes	no	no
			The "Inside Mixing Zone Maximum" and "Outside Mixing Zone Maximum" water quality criteria for the						
3745-1-35	B1	shall	protection of aquatic life, or site-specific modifications thereof, shall apply to all water bodies.	6111.041	general authority	40 CFR 131.13	Yes	no	no
			The Workside Mining 7 and August Works and the site of such a such as it is a such a life or a like one if it						
			The "Outside Mixing Zone Average" water quality criteria for the protection of aquatic life, or site-specific						
2745 4 25	D2	-111	modifications thereof, shall apply to all water bodies except those water bodies assigned the limited resource	6111 011		40 CED 424 42	V		
3745-1-35	B2	shall	water use designation.	6111.041	general authority	40 CFR 131.13	Yes	no	no
			Criteria for protection of wildlife, or site-specific modifications thereof, are "Outside Mixing Zone Average"						
3745-1-35	В3	shall	water quality criteria and shall apply to all water bodies located in the lake Erie drainage basin.	6111 0/11	federal requirement	40 CFR 132	Yes	Vec	no
3743-1-33	D3	Silali	Whole-effluent toxicity levels shall be applied in accordance with rules 3745-1-44 and 3745-33-07 of the	0111.041	rederar requirement	40 CFK 132	Tes	yes	no
3745-1-35	D	shall	Administrative Code.	6111 041	general authority		Yes	no	no
3743 1 33		Silan	At no time shall the water temperature exceed the temperature which would occur if there were no	0111.041	general authority		103	110	110
3745-1-35	footnote	shall	temperature change attributable to human activities.	6111.041	general authority		Yes	no	no
07.10 2.00		oa	In addition, any whole sample of any representative aquatic organisms shall not exceed 0.64 mg/kg (wet	011110.11	Berrerar authority		. 65		
3745-1-35	footnote	shall not	weight).	6111.041	general authority		Yes	no	no
					<u> </u>				
			For the purpose of setting water quality based effluent limits, the criteria which apply "Outside Mixing Zone"						
			shall be met after the effluent and the receiving water are reasonably well mixed as provided in rules 3745-1-						
3745-1-37	А	shall	06 and 3745-2-05 of the Administrative Code.	6111.041	general authority	40 CFR 131.13	Yes	no	no
			The criteria listed as "Inside Mixing Zone Maximum" shall be applicable as end-of-pipe maximum effluent		<u> </u>				
			limits or as criteria to be met within a short distance of the effluent pipe except as provided in rule 3745-2-08						
3745-1-37	А	shall	of the Administrative Code.	6111.041	federal requirement	40 CFR 131.11	Yes	yes	no
			The water quality criteria for the protection against adverse aesthetic conditions, or site-specific		,			,	
3745-1-37	B1	shall	modifications thereof, shall apply as follows:	6111.041	general authority		Yes	no	no
	•	•			*		•	•	

745 4 27	54		The "Inside Mixing Zone Maximum" and "Outside Mixing Zone Maximum" water quality criteria, or site-	6444 044	1 11 11	10.050.424.42	V		
45-1-37	B1a	shall	specific modifications thereof, shall apply to all water bodies.	6111.041	general authority	40 CFR 131.13	Yes	no	no
45 4 27	D41		The "Drinking" water quality criteria shall apply to all water bodies within five hundred yards of drinking	6444.044	1 11 11				
45-1-37	B1b	shall	water intakes.	6111.041	general authority		Yes	no	no
745-1-37	footnote	shall	Surface waters shall be free from floating oils and shall at no time produce a visible sheen or color film.	6111.041	. Federal	40 CFR 131.11	Yes	yes	no
								7.2	
745-1-37	footnote	shall	Surface waters shall be free from floating oils and shall at no time produce a visible sheen or color film.	6111.042	. Federal	40 CFR 131.11	Yes	yes	no
			Total phosphorus as P shall be limited to the extent necessary to prevent nuisance growths of algae, weeds,						
			and slimes that result in a violation of the water quality criteria set forth in paragraph (E) of rule 3745-1-04 o						
45-1-37	footnote	shall	the Administrative Code or, for public water supplies, that result in taste or odor problems.		general authority		Yes	no	no
			In areas where such nuisance growths exist, phosphorus discharges from point sources determined		general authority				
			significant by the director shall not exceed a daily average of one milligram per liter as total P, or such stricte	er					
			requirements as may be imposed by the director in accordance with the international joint commission		Federal treaty - US-				
45-1-37	footnote	shall not	(United States-Canada agreement).	6111.04	. Canada Agreement		Yes	yes	no
			The water quality criteria for the protection of recreational uses shall apply outside the mixing zone to all					7	
45-1-37	C1	shall	water bodies assigned a recreation use designation.	6111.04	general authority		Yes	no	no
		3	These criteria shall not be exceeded in more than ten per cent of the samples taken during any ninety-day	0111.04	0 3 3. 3. 3. 3. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.			***	
45-1-37	footnote	shall not	period.	6111.041	general authority		Yes	no	no
,		5.10.1 1100	A beach action value of 235 E. coli colony counts per 100 ml shall be used for the purpose of issuing beach	0111.04.	osc. a. addioney		1.00		
45-1-37	footnote	shall	and bathing water advisories	6111.041	general authority		Yes	no	no
.5 2 07		5.1.6.1	and satismy nation authorities	6111.03, 6111.031,	Beneral authority	40 CFR 131.14, 40 CFR			
45-1-38	А	shall not	This rule shall not apply to any of the following:	6111.041, 6111.13	General, Federal	132 Appendix F	Yes	yes	no
			A WQS variance shall not exceed five years or the term of the NPDES permit, whichever is less, with the						
			exception that a WQS variance may remain in effect beyond the term of the NPDES permit if, at least one						
			hundred eighty days prior to the date of expiration of the NPDES permit, the applicant submits to the director	or					
			an application for renewal of the NPDES permit, in accordance with Chapter 119. of the Revised Code and						
			paragraph (C) of rule 3745-33-04 of the Administrative Code, and an application for renewal of the variance	6111.03, 6111.031,		40 CFR 131.14, 40 CFR			
745-1-38	В	shall not	in accordance with paragraph (H) of this rule.	6111.041, 6111.13	General, Federal	132 Appendix F	Yes	yes	no
			Such a variance shall remain in effect until the director issues a final action on the NPDES permit renewal						
			application unless the application for renewal of the variance is not substantially complete or not submitted						
			within the time required in this paragraph, or unless the permittee did not substantially comply with the	6111.03, 6111.031,		40 CFR 131.14, 40 CFR			
745-1-38	В	shall	conditions of the existing variance.	6111.041, 6111.13	General, Federal	132 Appendix F	Yes	yes	no
			The director shall review and modify as necessary WQS variances as part of each WQS review pursuant to	6111.03, 6111.031,		40 CFR 131.14, 40 CFR			
45-1-38	В	shall	section 303(c) of the act.	6111.041, 6111.13	General, Federal	132 Appendix F	Yes	yes	yes
			When evaluating substantial and widespread economic and social impact, the director shall consider, at a	6111.03, 6111.031,		40 CFR 131.14, 40 CFR			
45-1-38	C1f	shall	minimum, all of the following factors:	6111.041, 6111.13	General, Federal	132 Appendix F	Yes	yes	yes
				6111.03, 6111.031,		40 CFR 131.14, 40 CFR			
45-1-38	C2	shall	In addition to the requirements of paragraph (C)(1) of this rule, the permittee shall do the following:	6111.041, 6111.13	General, Federal	132 Appendix F	Yes	yes	no
				6111.03, 6111.031,		40 CFR 131.14, 40 CFR			
45-1-38	D	shall	The permittee shall submit an application for a variance to Ohio EPA.	6111.041, 6111.13	General, Federal	132 Appendix F	Yes	yes	no
				6111.03, 6111.031,		40 CFR 131.14, 40 CFR			
745-1-38	D	shall	The variance application shall be considered a separate application from the NPDES permit application.	6111.041, 6111.13	General, Federal	132 Appendix F	Yes	yes	no
				6111.03, 6111.031,		40 CFR 131.14, 40 CFR			
45-1-38	D	shall	The variance application shall include the following:	6111.041, 6111.13	General, Federal	132 Appendix F	Yes	yes	no
			The plan of study shall include the following, at a minimum: data documenting the facility's current influent						
			and effluent concentrations for the BCC; a preliminary identification of potential sources; a proposed						
			schedule for evaluating those sources; and a proposed schedule for identifying and evaluating potential	6111.03, 6111.031,		40 CFR 131.14, 40 CFR			
45-1-38	D4	shall	reduction, elimination, and prevention methods.	6111.041, 6111.13	General, Federal	132 Appendix F	Yes	yes	no
			Upon receipt of a complete application for a variance (or in the case of a variance under paragraph (J) of this						
			rule, the information required by paragraphs (J)(1) and (J)(2) of this rule), and upon making a preliminary						
			decision regarding the variance, the director shall public notice the variance application, the availability of the	ne					
			public record, the availability of the plan of study (if applicable) and the preliminary decision for public	6111.03, 6111.031,		40 CFR 131.14, 40 CFR			
45-1-38	Е	shall	comment.	6111.041, 6111.13	General, Federal	132 Appendix F	Yes	yes	yes
			For discharges in the lake Erie drainage basin, the other Great Lakes states and tribes shall be notified of the		,	40 CFR 131.14, 40 CFR		,	1
45-1-38	Е	shall	director's preliminary decision.	6111.041, 6111.13	General, Federal	132 Appendix F	Yes	yes	yes
.5 _ 55	<u>ı</u> -	Jonan	1	1		1202 . Abelian i	1.00	11~~	100

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			The director shall issue a variance or propose to deny a variance in accordance with Chapter 119. of the	6111.03, 6111.031,		40 CFR 131.14, 40 CFR			
3745-1-38	F1	shall	Revised Code.	6111.041, 6111.13	General, Federal	132 Appendix F	Yes	yes	yes
			If all or part of the variance is approved by the director, the decision shall include all permit conditions	6111.03, 6111.031,		40 CFR 131.14, 40 CFR			
3745-1-38	F1	shall	needed to implement those parts of the variance so approved.	6111.041, 6111.13	General, Federal	132 Appendix F	Yes	yes	no
				6111.03, 6111.031,		40 CFR 131.14, 40 CFR			
3745-1-38	F1	shall	Such permit conditions shall, at a minimum, require all of the following:	6111.041, 6111.13	General, Federal	132 Appendix F	Yes	yes	no
			If the variance was approved for a BCC in the lake Erie drainage basin or mercury statewide, the permittee					755	
			shall develop and implement a pollutant minimization program (PMP) consistent with rule 3745-33-09 of th	e 6111 03 6111 031		40 CFR 131.14, 40 CFR			
3745-1-38	F1b	shall	Administrative Code.	6111.041, 6111.13	General, Federal	132 Appendix F	Yes	VOC	no
3743-1-38	110	Silali	The director shall deny a variance request in accordance with Chapter 119. of the Revised Code if the		General, rederal	40 CFR 131.14, 40 CFR	163	yes	110
2745 4 20	F2	-111	, , , , , , , , , , , , , , , , , , ,	6111.03, 6111.031,	Canada Fadanal	·	V		
3745-1-38	F2	shall	permittee fails to make the demonstrations required under paragraph (C) of this rule.	6111.041, 6111.13	General, Federal	132 Appendix F	Yes	yes	yes
			Permit issuance shall not be affected if the variance is denied. If all, part, or parts of the variance is denied b						
			the director, the decision may include, if necessary, an interim effluent limitation as specified under	6111.03, 6111.031,		40 CFR 131.14, 40 CFR			
3745-1-38	F2	shall not	paragraph (F)(1)(a) of this rule and a compliance schedule to meet final limits, at a minimum.	6111.041, 6111.13	General, Federal	132 Appendix F	Yes	yes	no
			The director shall establish and incorporate into the permittee's NPDES permit all conditions needed to	6111.03, 6111.031,		40 CFR 131.14, 40 CFR			
3745-1-38	G	shall	implement the variance as determined under paragraph (F) of this rule.	6111.041, 6111.13	General, Federal	132 Appendix F	Yes	yes	yes
			As part of any renewal application, the permittee shall again demonstrate that attaining WQS is not feasible						
			based on the requirements of paragraph (C) of this rule, unless the variance being renewed was approved	6111.03, 6111.031,		40 CFR 131.14, 40 CFR			
3745-1-38	Н	shall	under paragraph (J) of this rule.	6111.041, 6111.13	General, Federal	132 Appendix F	Yes	yes	no
			For variances approved under paragraph (J) of this rule, the permittee shall, as a part of any renewal					<i>i</i>	1.5
			application, resubmit the information required under paragraphs (J)(1) and (J)(2) of this rule, the certification	n					
			required by paragraph (J)(4)(e) of this rule and the permit, as well as a status report on the progress being	6111.03, 6111.031,		40 CFR 131.14, 40 CFR			
3745-1-38	П	shall	made in the pollutant minimization program.	6111.041, 6111.13	General, Federal	132 Appendix F	Yes	Vec	no
3743-1-30	П	Sildii		· ·	General, rederal		res	yes	110
	l		The permittee's application also shall contain information concerning its compliance with the conditions	6111.03, 6111.031,		40 CFR 131.14, 40 CFR	.,		
3745-1-38	Н	shall	incorporated into its permit as part of the previous variance.	6111.041, 6111.13	General, Federal	132 Appendix F	Yes	yes	no
			Reasonable progress shall have been made in implementing the pollutant minimization program under the	6111.03, 6111.031,		40 CFR 131.14, 40 CFR			
3745-1-38	Н	shall	existing permit prior to renewing variances approved under paragraph (I) or (J) of this rule.	6111.041, 6111.13	General, Federal	132 Appendix F	Yes	yes	no
				6111.03, 6111.031,		40 CFR 131.14, 40 CFR			
3745-1-38	I	shall	These determinations and specific application requirements shall be made by rule.	6111.041, 6111.13	General, Federal	132 Appendix F	Yes	yes	yes
			Dischargers applying for a variance based on multiple discharger determinations shall submit information	6111.03, 6111.031,		40 CFR 131.14, 40 CFR			
3745-1-38	ı	shall	demonstrating that the determinations of the director are applicable to the individual discharger.	6111.041, 6111.13	General, Federal	132 Appendix F	Yes	yes	no
								755	
			For the purpose of determining eligibility under paragraph (J) of this rule, the annual average mercury	6111.03, 6111.031,		40 CFR 131.14, 40 CFR			
3745-1-38	J1c	shall	effluent concentration shall be the average of the most recent twelve months of effluent data.	6111.041, 6111.13	General, Federal	132 Appendix F	Yes	yes	no
3743-1-30	310	Silali	In lieu of complying with the requirements of paragraph (D) of this rule, a discharger seeking a variance und		General, rederal	132 Appendix i	103	yes	110
						40 CED 424 44 40 CED			
2745 4 20	12		paragraph (J) of this rule shall submit to the director an application containing the following information in	6111.03, 6111.031,		40 CFR 131.14, 40 CFR			
3745-1-38	J2	shall	writing:	6111.041, 6111.13	General, Federal	132 Appendix F	Yes	yes	no
				6111.03, 6111.031,		40 CFR 131.14, 40 CFR			
3745-1-38	J2c	shall	The plan of study shall include the following, at a minimum	6111.041, 6111.13	General, Federal	132 Appendix F	Yes	yes	no
			The director shall deny the applicability of paragraph (J)(1) of this rule to a discharger if the discharger fails t			40 CFR 131.14, 40 CFR			
3745-1-38	J3	shall	fulfill the requirements specified in paragraphs (J)(1) and (J)(2) of this rule.	6111.041, 6111.13	General, Federal	132 Appendix F	Yes	yes	yes
			If the conditions of paragraphs (J)(1) and (J)(2) of this rule are met, the director shall issue the variance and	6111.03, 6111.031,		40 CFR 131.14, 40 CFR			
3745-1-38	J4	shall	incorporate the following requirements, at a minimum, into the discharger's NPDES permit:	6111.041, 6111.13	General, Federal	132 Appendix F	Yes	yes	yes
				6111.03, 6111.031,	,	40 CFR 131.14, 40 CFR		ĺ	
3745-1-38	J4b	shall	The requirements of paragraph (J)(6) of this rule shall be included in the permit	6111.041, 6111.13	General, Federal	132 Appendix F	Yes	yes	no
37 13 1 30	3.10	Silan	A requirement that upon completion of the actions identified in the plan of study and in the PMP required by		General, reactar	102 Appendix 1	163	763	
			paragraph (F)(1)(b) of this rule, the permittee shall submit to the director a certification that all permit	'Y					
			conditions imposed to implement the plan of study and PMP have been satisfied and shall include in this						
				6111 02 6111 021		40 CED 131 14 40 CED			
2745 4 22			certification a statement as to whether compliance with the WQBEL has been achieved and can be	6111.03, 6111.031,		40 CFR 131.14, 40 CFR	,,		
3745-1-38	J4e	shall	maintained.	6111.041, 6111.13	General, Federal	132 Appendix F	Yes	yes	no
			A requirement that upon completion of the actions identified in the plan of study and in the PMP required by	ру					
			paragraph (F)(1)(b) of this rule, the permittee shall submit to the director a certification that all permit						
			conditions imposed to implement the plan of study and PMP have been satisfied and shall include in this						
			certification a statement as to whether compliance with the WQBEL has been achieved and can be	6111.03, 6111.031,		40 CFR 131.14, 40 CFR			
3745-1-38	J4e	shall	maintained.	6111.041, 6111.13	General, Federal	132 Appendix F	Yes	yes	no
				6111.03, 6111.031,	,	40 CFR 131.14, 40 CFR		<u>'</u>	
3745-1-38	J4e	shall	This certification shall be accompanied by the following:	6111.041, 6111.13	General, Federal	132 Appendix F	Yes	yes	no
J, 7J 1 JU	J-FC	317011	This certification shall be decompanied by the following.	0111.071, 0111.13	Scheral, rederal	102 Appendix I	1.03	1103	

<b>t</b>				1			_	<b>,</b>	<b>1</b>
			Upon receipt of the certification required by paragraph (J)(4)(e) of this rule, the director shall take either of	6111.03, 6111.031,		40 CFR 131.14, 40 CFR			
3745-1-38	J5	shall	the following actions:	6111.041, 6111.13	General, Federal	132 Appendix F	Yes	yes	yes
			If the permittee certifies that it has achieved and can maintain compliance with the WQBEL, the director sha	all					
			incorporate the WQBEL into the permit in lieu of the variance either via a permit modification if the permit	6111.03, 6111.031,		40 CFR 131.14, 40 CFR			
3745-1-38	J5a	shall	has not yet expired or as a part of any renewal of the permit if it has expired.	6111.041, 6111.13	General, Federal	132 Appendix F	Yes	yes	yes
			If the permittee certifies that it has not achieved or can not maintain compliance with the WQBEL, the	,	,			<u> </u>	,
			director shall review the data submitted with the certification and such other relevant information as may b	e 6111.03.6111.031.		40 CFR 131.14, 40 CFR			
3745-1-38	J5b	shall	available, and:	6111.041, 6111.13	General, Federal	132 Appendix F	Yes	yes	yes
3743 1 30	130	Silan	If the director concurs with the certification, the director shall allow the variance to continue in force if the	0111.041, 0111.13	General, reactar	132 Appendix I	163	yes	yes
			variance has not expired or renew the variance in accordance with paragraph (H) of this rule if the variance	6111.03, 6111.031,		40 CFR 131.14, 40 CFR			
3745-1-38	J5bi	shall	, , , , , , , , , , , , , , , , , , , ,		Compred Fordored	132 Appendix F	Vaa		
3/43-1-30	1201	Sildii	has expired.	6111.041, 6111.13	General, Federal	152 Appendix F	Yes	yes	yes
			If the director concludes, despite contrary certification by the permittee, that the permittee has achieved an						
			can maintain compliance with the WQBEL, the director shall incorporate the WQBEL into the permit in lieu of						
			the variance via a permit modification if the permit has not yet expired or as a part of any renewal of the	6111.03, 6111.031,		40 CFR 131.14, 40 CFR			
3745-1-38	J5bii	shall	permit if it has expired.	6111.041, 6111.13	General, Federal	132 Appendix F	Yes	yes	yes
			If at any time after the date specified in a variance by which the discharger must meet an average annual						
			mercury effluent concentration of twelve ng/l, as defined in paragraph (J)(1) of this rule, or after the						
			director's final approval of the variance renewal, whichever is earlier, the discharger's average mercury						
			effluent concentration as defined in paragraph (J)(1) of this rule exceeds twelve ng/l, the discharger shall						
			submit an individual variance application, if a variance is desired, or request a permit modification for a	6111.03, 6111.031,		40 CFR 131.14, 40 CFR			
3745-1-38	J6	shall	compliance schedule to attain compliance with the WQBEL.	6111.041, 6111.13	General, Federal	132 Appendix F	Yes	yes	no
			The second secon	, , , , , , , , , , , , , , , , , , , ,		- 11		/	
			Paragraph (J) of this rule shall no longer apply to the discharger on the date the director acts on the	6111.03, 6111.031,		40 CFR 131.14, 40 CFR			
3745-1-38	J6	shall	discharger's individual variance application or the date the permit modification becomes effective.	6111.041, 6111.13	General, Federal	132 Appendix F	Yes	yes	no
3743-1-36	10	Silali	discharger's mulvidual variance application of the date the permit modification becomes effective.	0111.041, 0111.13	General, rederal	132 Appendix I	163	yes	110
			The requirements of this paragraph shall not apply to the discharger if the discharger demonstrates to the						
				C111 02 C111 021		40 CED 434 44 40 CED			
			satisfaction of the director that the mercury level in the discharger's effluent exceeds twelve ng/l due	6111.03, 6111.031,		40 CFR 131.14, 40 CFR	.,		
3745-1-38	J6	shall not	primarily to the presence of mercury in discharger's intake water.	6111.041, 6111.13	General, Federal	132 Appendix F	Yes	yes	no
			All variances and supporting information shall be made available by the director to the U.S. EPA region V	6111.03, 6111.031,		40 CFR 131.14, 40 CFR			
3745-1-38	K	shall	office after the date of the final variance decision.	6111.041, 6111.13	General, Federal	132 Appendix F	Yes	yes	yes
			WQS revisions. All variances shall be distributed with this chapter and shall be made available upon request			40 CFR 131.14, 40 CFR			
3745-1-38	L	shall	to all interested parties.	6111.041, 6111.13	General, Federal	132 Appendix F	Yes	yes	yes
			WQS revisions. All variances shall be distributed with this chapter and shall be made available upon request	6111.03, 6111.031,		40 CFR 131.14, 40 CFR			
3745-1-38	L	shall	to all interested parties.	6111.041, 6111.13	General, Federal	132 Appendix F	Yes	yes	yes
			The distributed information shall include at a minimum: the discharger receiving the variance; the term						
			(beginning and ending dates) of the variance; the water body or water bodies affected by the variance; the						
			pollutants affected by the variance; and the modified allowable ambient concentration values for those	6111.03, 6111.031,		40 CFR 131.14, 40 CFR			
3745-1-38	L	shall	pollutants.	6111.041, 6111.13	General, Federal	132 Appendix F	Yes	yes	yes
			All variance requests and approvals must comply with applicable portions of rule 3745-1-05 of the	6111.03, 6111.031,	,	40 CFR 131.14, 40 CFR		,	
3745-1-38	Α	must	Administrative Code.	6111.041, 6111.13	General, Federal	132 Appendix F	Yes	yes	no
								755	
			A requirement that the discharger's average mercury effluent concentration as defined in paragraph (J)(1) o	f					
			this rule must remain less than or equal to twelve ng/l after the date specified in the discharger's accepted	6111.03, 6111.031,		40 CFR 131.14, 40 CFR			
3745-1-38	146	must	plan of study for the requirements under this paragraph to be applicable.	6111.041, 6111.13	General, Federal	132 Appendix F	Vos	vos	no
3147-T-20	J4b	must	promor stody for the requirements under this paragraph to be applicable.	0111.041, 0111.13	General, Federal	135 Whhelinix L	Yes	yes	no
			If at any time often the date energified in a various by which the distance was a second or a second o	6111 02 6111 021		40 CED 131 14 40 CED			
2745 4 22	16		If at any time after the date specified in a variance by which the discharger must meet an average annual	6111.03, 6111.031,	Community of the state of	40 CFR 131.14, 40 CFR	V		
3745-1-38	J6	must	mercury effluent concentration of twelve ng/l, as defined in paragraph (J)(1) of this rule	6111.041, 6111.13	General, Federal	132 Appendix F	Yes	yes	no
			A variance does not affect, or require the director to modify, the corresponding water quality standard for	6111.03, 6111.031,		40 CFR 131.14, 40 CFR			
3745-1-38	А	require	the water body.	6111.041, 6111.13	General, Federal	132 Appendix F	Yes	yes	no
			If WQS will be attained by implementing effluent limits required under sections 301(b) and 306 of the act as	•					
			defined in rule 3745-33-01 of the Administrative Code and by the permittee implementing cost-effective and	d 6111.03, 6111.031,		40 CFR 131.14, 40 CFR			
3745-1-38	A4	require	reasonable best management practices for nonpoint source control over which the permittee has control.	6111.041, 6111.13	General, Federal	132 Appendix F	Yes	yes	no
			Such a variance shall remain in effect until the director issues a final action on the NPDES permit renewal						
			application unless the application for renewal of the variance is not substantially complete or not submitted						
			within the time required in this paragraph, or unless the permittee did not substantially comply with the	6111.03, 6111.031,		40 CFR 131.14, 40 CFR			
3745-1-38	В	require	conditions of the existing variance.	6111.041, 6111.13	General, Federal	132 Appendix F	Yes	yes	no
J. 13 I 30		require	Controls more stringent than those required by sections 301(b) and 306 of the act would result in substantia		General, reactar	40 CFR 131.14, 40 CFR	1.55	,	110
27/15 1 20	C1f	roquiro			Conoral Fodoral		Voc	vos	nc
3745-1-38	C1f	require	and widespread economic and social impact.	6111.041, 6111.13	General, Federal	132 Appendix F	Yes	yes	IIIO

1		<u>,                                      </u>							
			Public notice of preliminary decision. Upon receipt of a complete application for a variance (or in the case of						
			variance under paragraph (J) of this rule, the information required by paragraphs (J)(1) and (J)(2) of this rule),						
			and upon making a preliminary decision regarding the variance, the director shall public notice the variance						
			application, the availability of the public record, the availability of the plan of study (if applicable) and the	6111.03, 6111.031,		40 CFR 131.14, 40 CFR			
3745-1-38	E	require	preliminary decision for public comment.	6111.041, 6111.13	General, Federal	132 Appendix F	Yes	yes	no
				6111.03, 6111.031,		40 CFR 131.14, 40 CFR			
3745-1-38	F1	require	Such permit conditions shall, at a minimum, require all of the following:	6111.041, 6111.13	General, Federal	132 Appendix F	Yes	yes	no
			The director shall deny a variance request in accordance with Chapter 119. of the Revised Code if the	6111.03, 6111.031,		40 CFR 131.14, 40 CFR			
3745-1-38	F2	require	permittee fails to make the demonstrations required under paragraph (C) of this rule.	6111.041, 6111.13	General, Federal	132 Appendix F	Yes	yes	no
			For variances approved under paragraph (J) of this rule, the permittee shall, as a part of any renewal						
			application, resubmit the information required under paragraphs (J)(1) and (J)(2) of this rule, the certification						
			required by paragraph (J)(4)(e) of this rule and the permit, as well as a status report on the progress being	6111.03, 6111.031,		40 CFR 131.14, 40 CFR			
3745-1-38	Н	require	made in the pollutant minimization program.	6111.041, 6111.13	General, Federal	132 Appendix F	Yes	yes	no
			For variances approved under paragraph (J) of this rule, the permittee shall, as a part of any renewal						
			application, resubmit the information required under paragraphs (J)(1) and (J)(2) of this rule, the certification						
			required by paragraph (J)(4)(e) of this rule and the permit, as well as a status report on the progress being	6111.03, 6111.031,		40 CFR 131.14, 40 CFR			
3745-1-38	Н	require	made in the pollutant minimization program.	6111.041, 6111.13	General, Federal	132 Appendix F	Yes	yes	no
			The director has determined that requiring removal of mercury by construction of end-of-pipe controls to						
			attain mercury WQS, requiring controls more stringent than those required by sections 301(b) and 306 of the			40 CFR 131.14, 40 CFR			
3745-1-38	J	require	act would result in substantial and widespread social and economic impact.	6111.041, 6111.13	General, Federal	132 Appendix F	Yes	yes	no
			That the permittee is not currently complying with the WQBEL and information available from the application	n					
			required in paragraph (J)(2) of this rule indicates that there is no readily apparent means of complying with						
			the WQBEL without constructing end-of-pipe controls more stringent than those required by sections 301 (b)	6111.03, 6111.031,		40 CFR 131.14, 40 CFR			
3745-1-38	J1b	require	and 306 of the act.	6111.041, 6111.13	General, Federal	132 Appendix F	Yes	yes	no
			That the permittee is not currently complying with the WQBEL and information available from the application	1					
			required in paragraph (J)(2) of this rule indicates that there is no readily apparent means of complying with						
			the WQBEL without constructing end-of-pipe controls more stringent than those required by sections 301 (b)	6111.03, 6111.031,		40 CFR 131.14, 40 CFR			
3745-1-38	J1b	require	and 306 of the act.	6111.041, 6111.13	General, Federal	132 Appendix F	Yes	yes	no
				6111.03, 6111.031,		40 CFR 131.14, 40 CFR			
3745-1-38	J4a	require	All conditions required under paragraph (F)(1) of this rule.	6111.041, 6111.13	General, Federal	132 Appendix F	Yes	yes	yes
				6111.03, 6111.031,		40 CFR 131.14, 40 CFR			
3745-1-38	J5	require	shall take either of the following actions:	6111.041, 6111.13	General, Federal	132 Appendix F	Yes	yes	no
			Any such modifications shall be protective of designated uses and aquatic life, wildlife and human health and						
3745-1-39	Α	shall	be submitted to the U.S. EPA for approval.	6111.0	941 federal	40 CFR 131.11	Yes	yes	no
3745-1-39	Α	shall	Any site-specific modifications shall be based on a sound scientific rationale.	6111.0	041 federal	40 CFR 131.11	Yes	yes	no
			In addition, any site-specific modifications that result in less stringent criteria shall not be likely to jeopardize						
			the continued existence of threatened or endangered species or result in the destruction or adverse						
3745-1-39	Α	shall not	modification of such species' critical habitat.	6111.0	941 general		Yes	no	no
			More stringent modifications shall be developed to protect threatened or endangered species, where such						
			modifications are necessary to ensure that water quality is not likely to jeopardize the continued existence of						
3745-1-39	Α	shall	such species or result in the destruction or adverse modification of such species' critical habitat.	6111.0	941 general		Yes	no	no
			Documentation provided by the permittee or independently available to the director shall show that the						
3745-1-39	В4	shall	modification, not to exceed 1.0 acute toxic unit, is protective of the resident aquatic community.	6111.0	941 general		Yes	no	yes
			Any more stringent modifications to protect threatened or endangered species required by paragraph (A) of						,
			this rule shall be derived using procedures set forth in the methodology contained in rule 3745-1-41 of the						
3745-1-39	D3	shall	Administrative Code.	6111.0	041 general		Yes	no	yes
			Human health criteria or values shall be modified on a site-specific basis to provide additional protection						<u> </u>
3745-1-39	E1	shall	appropriate for highly exposed subpopulations.	6111.0	041 general		Yes	no	ves
			Local fish consumption rates are lower than the rate used to derive human health criteria or values under		Server or				/55
			rule 3745-1-42 of the Administrative Code (this option shall not be available for water bodies subject to a fish						
3745-1-39	E2a	shall not	consumption advisory).		041 general		Yes	no	no
		STIGHT HOU	When the director proposes a site-specific modification to a criterion or value as allowed or required in	0111.0	Derror at		1.00		110
			paragraph (A) of this rule, the director shall notify the other Great Lakes states of such a proposal and, for						
3745-1-39	F	shall	less stringent criteria, supply appropriate justification.	6111 0	041 federal	40 CFR 132 Appendix F	Ves	VAC	VOC
J, 7J-1-JJ	<u>'</u>	Silail	1000 Stringent Criteria, Supply appropriate Justinication.	0111.0	/TI ICUCIAI	40 Ct IV 132 Appendix F	103	yes	yes
			Any modification to protect threatened or endangered wildlife species required by paragraph (A) of this rule						
			must consider both the mobility of prey organisms and wildlife populations in defining the site for which						
27/5_1_20	C3	must		6111 0	M1 federal	40 CEP 122 Appendix F	Vas	Vec	vos
3745-1-39	C3	must	criteria are developed, and may be accomplished by using the following recommended method:	0111.0	141 federal	40 CFR 132 Appendix F	162	yes	yes

	-	F	Any modifications to protect threatened or endorgoned equation project year inches programs (A) of this walls			1		-
3745-1-39	B5	require	Any modifications to protect threatened or endangered aquatic species required by paragraph (A) of this rule may be accomplished using either of the two following procedures:	6111.041 federal	40 CFR 132 Appendix F	Ves	yes	no
7745-1-39	100	require	may be accomplished using either of the two following procedures.	0111.041 lederal	40 CFR 132 Appendix I	163	yes	110
			Any modification to protect threatened or endangered wildlife species required by paragraph (A) of this rule					
			must consider both the mobility of prey organisms and wildlife populations in defining the site for which					
3745-1-39	C3	require	criteria are developed, and may be accomplished by using the following recommended method:	6111.041 federal	40 CFR 132 Appendix F	Vac	ves	no
1743-1-39	CS	require	Any more stringent modifications to protect threatened or endangered species required by paragraph (A) of	0111.041 lederal	40 CFK 132 Appendix F	163	yes	110
			this rule shall be derived using procedures set forth in the methodology contained in rule 3745-1-41 of the		Endangered Species Act			
2745 4 20	D2			C111 011 fordonal	•	V		
3745-1-39	D3	require	Administrative Code.	6111.041 federal	(16 U.S.C. §1532(5)(A))	Yes	yes	no
			When the director proposes a site-specific modification to a criterion or value as allowed or required in					
	_		paragraph (A) of this rule, the director shall notify the other Great Lakes states of such a proposal and, for	6444 644 644				
3745-1-39	F	require	less stringent criteria, supply appropriate justification.	6111.041 federal	40 CFR 132 Appendix E	Yes	yes	no
			All pollutants or combinations of pollutants, for which aquatic life criteria have not been adopted in rule 3745					
			1-35 of the Administrative Code, shall not exceed the water quality criteria or values derived using the					
3745-1-40	intro	shall not	procedures contained in this rule.	6111.041 Federal/General	40 CFR 132 Appendix A	Yes	Yes, federal GLCPA	yes
3745-1-40	Α	shall	This criterion and value shall be expressed as the quantity of chemical per liter of water (e.g., mg/l or ug/l).	6111.041 Federal/General	40 CFR 132 Appendix A	Yes	Yes, federal GLCPA	yes
			Paragraphs (A)(1) to (A)(3) of this rule shall be used to calculate the tier I AAC when acute toxicity data are					
3745-1-40	А	shall	available for species in at least eight families.	6111.041 Federal/General	40 CFR 132 Appendix A	Yes	Yes, federal GLCPA	yes
			Paragraph (A)(4) of this rule shall be used to calculate the tier II AAV when there are not enough toxicity data					
			to use the procedures in paragraphs (A)(1) to (A)(3) of this rule but there is at least one EC50 or LC50 value					
			for a species in one of the following three genera of the family Daphnidae: Ceriodaphnia sp., Daphnia sp., or					
3745-1-40	Α	shall	Simocephalus sp.	6111.041 Federal/General	40 CFR 132 Appendix A	Yes	Yes, federal GLCPA	yes
			The procedures in paragraphs (A)(1) to (A)(3) of this rule shall be used to calculate the tier I AAC when LC50					
			or EC50 data are available for at least one species of freshwater animal in at least the eight different families					
3745-1-40	A1	shall	identified as follows:	6111.041 Federal/General	40 CFR 132 Appendix A	Yes	Yes, federal GLCPA	yes
			When data are not available to show that acute toxicity to two or more species is similarly related to a water					
			quality characteristic (e.g., hardness, pH or temperature), the tier I AAC shall be calculated using the					
3745-1-40	A2	shall	procedures in paragraphs (A)(2)(a) to (A)(2)(i) of this rule.	6111.041 Federal/General	40 CFR 132 Appendix A	Yes	Yes, federal GLCPA	yes
				,	• • • • • • • • • • • • • • • • • • • •		·	ľ
			For each species for which at least one acute value is available, the species mean acute value (SMAV) shall be					
			calculated as the geometric mean of the results of all acceptable flow-through acute toxicity tests in which					
3745-1-40	A2a	shall	the concentrations of test material were measured with the most sensitive tested life stage of the species.	6111.041 Federal/General	40 CFR 132 Appendix A	Yes	Yes, federal GLCPA	ves
07.10 1.10	7.25	5.16.1	For a species for which no such result is available, the SMAV shall be calculated as the geometric mean of all	0111011 (00010.)	To divide a special and the sp	. 65	100, 1000101 020171	700
			acceptable acute toxicity tests with the most sensitive tested life stage, i.e., results of flow-through tests in					
			which the concentrations were not measured and results of static and renewal tests based on initial					
			concentrations (nominal concentrations are acceptable for most test materials if measured concentrations					
3745-1-40	A2a	shall	are not available) of test material.	6111.041 Federal/General	40 CFR 132 Appendix A	Vac	Yes, federal GLCPA	VAS
3743-1-40	AZd	Silali	For each genus for which one or more SMAVs are available, the genus mean acute value (GMAV) shall be	0111.041 Federal/General	40 CFK 132 Appendix A	163	res, rederal GLCFA	yes
3745-1-40	A2h	shall	calculated as the geometric mean of the SMAVs available for the genus.	6111.041 Federal/General	40 CFR 132 Appendix A	Voc	Yes, federal GLCPA	V05
3745-1-40	A2b	snaii	calculated as the geometric mean of the SMAVS available for the genus.	6111.041 Federal/General	40 CFR 132 Appendix A	res	res, rederal GLCPA	yes
2745 4 40			TI CRANY I III I I I I I I I I I I I I I I I I	6444 044 5 1 1/6	10.055.433.4		V	
3745-1-40	A2c	shall	The GMAVs shall be ordered from high to low.	6111.041 Federal/General	40 CFR 132 Appendix A	Yes	Yes, federal GLCPA	yes
2745 4 40	42.1			6444 044 5 1 1/6	40.050.433.4		V	
3745-1-40	A2d	shall	Ranks (R) shall be assigned to the GMAVs from "one" for the lowest to "N" for the highest.	6111.041 Federal/General	40 CFR 132 Appendix A	Yes	Yes, federal GLCPA	yes
3745-1-40	A2e	shall	The cumulative probability (P), shall be calculated for each GMAV as R / (N + 1).	6111.041 Federal/General	40 CFR 132 Appendix A	Yes	Yes, federal GLCPA	yes
3745-1-40	A2f	shall	The four GMAVs shall be selected which have cumulative probabilities closest to 0.05.	6111.041 Federal/General	40 CFR 132 Appendix A	Yes	Yes, federal GLCPA	yes
3745-1-40	A2g	shall	Using the four selected GMAVs and Ps, the final acute value (FAV) shall be calculated as follows:	6111.041 Federal/General	40 CFR 132 Appendix A	Yes	Yes, federal GLCPA	yes
			If, for a commercially, recreationally or ecologically important species, the geometric mean of the acute					
			values from flow-through tests in which the concentrations of test material were measured is lower than the					
3745-1-40	A2h	shall	calculated FAV, then that geometric mean shall be used as the FAV instead of the calculated FAV.	6111.041 Federal/General	40 CFR 132 Appendix A	Yes	Yes, federal GLCPA	yes
3745-1-40	A2i	shall	The AAC shall be calculated by dividing the FAV by two.	6111.041 Federal/General	40 CFR 132 Appendix A	Yes	Yes, federal GLCPA	yes
				·			-	
			When enough data are available to show that acute toxicity to two or more species is similarly related to a					
			water quality characteristic (e.g., hardness, pH or temperature), the tier I FAV shall be calculated using the					
3745-1-40	А3	shall	procedures in paragraphs (A)(3)(a) to (A)(3)(l) of this rule or using an analysis of covariance.	6111.041 Federal/General	40 CFR 132 Appendix A	Yes	Yes, federal GLCPA	ves
	1. 10	311011	15. 2.2.2.2. 32 m. Parado abrea (1.4/42/4) as (1.4/42/4) at this rate of denily an arrangement containing	January Jeneral	1.5 S. N 152 Appendix A	1 . 55	1. co, reactar deci A	1,55

						<u> </u>		
3745-1-40	А3	shall	If two or more factors affect toxicity, multiple regression analysis shall be used.	6111.041 Federal/General	40 CFR 132 Appendix A	Yes	Yes, federal GLCPA	yes
			For each species for which comparable acute toxicity values are available at two or more different values of					
			the water quality characteristic, a least squares regression of the acute toxicity values on the corresponding					
			values of the water quality characteristic shall be performed to obtain the slope and its ninety-five per cent					
3745-1-40	A3a	shall	confidence limits for each species.	6111.041 Federal/General	40 CFR 132 Appendix A	Yes	Yes, federal GLCPA	yes
			For relationships based on other water quality characteristics, such as pH or temperature, no transformation	·	.,		·	
			or a different transformation might fit the data better, and appropriate changes shall be made as necessary					
3745-1-40	A3a	shall	throughout this method.	6111.041 Federal/General	40 CFR 132 Appendix A	Ves	Yes, federal GLCPA	yes
3743 1 40	ASu	Silaii	Data for each species shall be evaluated as to whether or not they are relevant, taking into account the range	OTTI.OTTI Ederally General	40 CI N 132 Appendix A	103	res, rederar deer A	yes
			and number of the tested values of the water quality characteristic and the degree of agreement within and					
3745-1-40	A3b	shall		6111.041 Federal/General	40 CFR 132 Appendix A	Voc	Yes, federal GLCPA	W05
3743-1-40	ASU	Sildii	between species.  If useful slopes are not available for at least one fish and one invertebrate, or if the available slopes are too	6111.041 Federal/General	40 CFR 132 Appelluix A	res	res, lederal GLCPA	yes
			·					
			dissimilar, or if too few data are available to adequately define the relationship between acute toxicity and					
			the water quality characteristic, the AAC shall be calculated using the procedures in paragraph (A)(2) of this					
			rule, using the results of tests conducted under conditions and in waters similar to those commonly used for					
3745-1-40	A3b	shall	toxicity tests with the species.	6111.041 Federal/General	40 CFR 132 Appendix A	Yes	Yes, federal GLCPA	yes
			For each species, the geometric mean of the available acute values shall be calculated and then each of the					
3745-1-40	A3c	shall	acute values for a species shall be divided by the mean for the species.	6111.041 Federal/General	40 CFR 132 Appendix A	Yes	Yes, federal GLCPA	yes
			For each species, the geometric mean of the available acute values shall be calculated and then each of the					
3745-1-40	A3c	shall	acute values for a species shall be divided by the mean for the species.	6111.041 Federal/General	40 CFR 132 Appendix A	Yes	Yes, federal GLCPA	yes
			The values of the water quality characteristic shall be similarly normalized for each species individually using					
3745-1-40	A3d	shall	the procedure in paragraph (A)(3)(c) of this rule.	6111.041 Federal/General	40 CFR 132 Appendix A	Yes	Yes, federal GLCPA	yes
			Individually for each species a least squares regression of the normalized acute values on the water quality		-  -			,
3745-1-40	A3e	shall	characteristic shall be performed.	6111.041 Federal/General	40 CFR 132 Appendix A	Ves	Yes, federal GLCPA	yes
3743 1 40	AGC	Silan	characteristic share be performed.	OTTI.OTTI Cacialy General	40 CI N 132 Appendix A	163	res, rederar deer A	yes
			All the normalized data shall be treated as if they were for the same species and a least squares regression of					
			·					
			all the normalized acute values on the corresponding normalized values of the water quality characteristic is					
3745-1-40	A3f	shall	performed to obtain the pooled acute slope, V, and its ninety-five per cent confidence limits.	6111.041 Federal/General	40 CFR 132 Appendix A	Yes	Yes, federal GLCPA	yes
			For each species the geometric mean, W, of the acute toxicity values and the geometric mean, X, of the					
3745-1-40	A3g	shall	values of the water quality characteristic shall be calculated.	6111.041 Federal/General	40 CFR 132 Appendix A	Yes	Yes, federal GLCPA	yes
			For each species the natural logarithm (In), Y, of the SMAV at a selected value, Z, of the water quality					
3745-1-40	A3h	shall	characteristic shall be calculated using the equation:	6111.041 Federal/General	40 CFR 132 Appendix A	Yes	Yes, federal GLCPA	yes
3745-1-40	A3i	shall	For each species the SMAV at Z shall be calculated using the equation:	6111.041 Federal/General	40 CFR 132 Appendix A	Yes	Yes, federal GLCPA	yes
			The FAV shall be obtained by using the procedures described in paragraphs					
3745-1-40	A3j	shall	(A)(2)(b) to (A)(2)(g) of this rule.	6111.041 Federal/General	40 CFR 132 Appendix A	Yes	Yes, federal GLCPA	yes
			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
			If, for a commercially or recreationally important species the geometric mean of the acute values at Z from					
			flow-through tests in which the concentrations of the test material were measured is lower than the FAV at					
3745-1-40	A3k	shall	Z, then the geometric mean shall be used as the FAV instead of the FAV.	6111.041 Federal/General	40 CFR 132 Appendix A	Ves	Yes, federal GLCPA	yes
3743 1 40	ASK	Silali	2, then the geometric mean sharp be used as the FAV instead of the FAV.	0111.041 redetal/ General	40 CI N 132 Appelluix A	103	res, rederar deer A	ycs
2745 1 40	A 21	chall	The final equation shall be written as:	6111 041 Fodoral/Conoral	40 CER 122 Appendix A	Vos	Voc fodoral CLCDA	W05
3745-1-40	A3I	shall	The final acute equation shall be written as:	6111.041 Federal/General	40 CFR 132 Appendix A	res	Yes, federal GLCPA	yes
2745 4 40			For any value of Z, the AAC shall be calculated by dividing the FAV by two.	6444 044 5 1 1/6	40.050.433.4	.,	V 6 1 16160A	
3745-1-40	A3m	shall		6111.041 Federal/General	40 CFR 132 Appendix A	Yes	Yes, federal GLCPA	yes
			If the required data to derive the tier I AAC in paragraphs (A)(1) to (A)(3) of this rule are not present in the					
			acute toxicity data base and at least one EC50 or LC50 value is available for a species in one of the following					
			three genera of the family Daphnidae - Ceriodaphnia sp., Daphnia sp., or Simocephalus sp., a tier II secondary					
			acute value (SAV) shall be calculated by dividing the lowest GMAV in the data base by the secondary acute					
			factor (SAF) (see table 40-1 of this rule) corresponding to the number of satisfied minimum data					
3745-1-40	A4a	shall	requirements listed in the tier I methodology (see paragraph (A)(1) of this rule).	6111.041 Federal/General	40 CFR 132 Appendix A	Yes	Yes, federal GLCPA	yes
			If appropriate, the AAV shall be made a function of a water quality characteristic in a manner similar to that	,	• • • • • • • • • • • • • • • • • • • •		,	,
3745-1-40	A4c	shall	described in paragraph (A)(3) of this rule.	6111.041 Federal/General	40 CFR 132 Appendix A	Yes	Yes, federal GLCPA	yes
3,73170	NTC	Silan	This criterion and value shall be expressed as the quantity of chemical per liter of water (e.g., mg/l or ug/l).	official cacial action	TO CITY 132 Appendix A		res, redefai deci A	yes
2745 1 40	D	chall		6111 041 Fodorel/Canaral	40 CED 122 Approach: 4	Voc	Voc fodoral CLCDA	V00
3745-1-40	D	shall	Paragraphs (B)(1) and (B)(2) of this rule are used to calculate the tier I CAC.	6111.041 Federal/General	40 CFR 132 Appendix A	162	Yes, federal GLCPA	yes
2745 6 40			Paragraphs (B)(3) and (B)(4) of this rule shall be used to calculate the tier II CAV when there are not enough	6444 644 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10.055.100.1	.,	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
3745-1-40	lΒ	shall	toxicity data to use the method in paragraphs (B)(1) and (B)(2) of this rule.	6111.041 Federal/General	40 CFR 132 Appendix A	res	Yes, federal GLCPA	yes

			If chronic values are available for species in eight families as described in paragraph (A)(1) of this rule, a					
			species mean chronic value (SMCV) shall be calculated for each species for which at least one chronic value is					
			available by calculating the geometric mean of the results of all acceptable life-cycle and partial life-cycle					
3745-1-40	B1	shall	toxicity tests with the species	6111.041 Federal/General	40 CFR 132 Appendix A	Yes	Yes, federal GLCPA	yes
			for a species of fish for which no such result is available, the SMCV shall be the geometric mean of all		·			
3745-1-40	B1	shall	acceptable early life-stage tests.	6111.041 Federal/General	40 CFR 132 Appendix A	Yes	Yes, federal GLCPA	yes
07.01.0		- Jonan		ozzzio iz i edelari dellera.	To or it 102 ripperium ri	. 65	res, reaerar ezerri	700
3745-1-40	B1	shall	Appropriate genus mean chronic values (GMCVs) shall also be calculated.	6111.041 Federal/General	40 CFR 132 Appendix A	Yes	Yes, federal GLCPA	yes
			The second secon				,	7-5
3745-1-40	B1	shall	A GMCV shall be the geometric mean of the SMCVs for the genus.	6111.041 Federal/General	40 CFR 132 Appendix A	Yes	Yes, federal GLCPA	yes
			The CAC shall be obtained using the procedure contained in paragraphs (A)(1) to (A)(3) of this rule,		По от того при по от того по от т			1
3745-1-40	B1	shall	substituting CAC for FAV, SMCV for SMAV and GMCV for GMAV.	6111.041 Federal/General	40 CFR 132 Appendix A	Yes	Yes, federal GLCPA	yes
07.10 2.10		J. I.	If chronic data for a chemical are not available for at least eight freshwater species meeting the requirements	011110 11	io oi ii zoz i ippelialii i	. 65	1.65, 1646141. 626.71	700
			in paragraph (A)(1) of this rule, the CAC shall be calculated by dividing the FAV by a final acute-chronic ratio					
3745-1-40	B2	shall	(FACR).	6111.041 Federal/General	40 CFR 132 Appendix A	Voc	Yes, federal GLCPA	yes
3743 1 40	DZ	Silaii	(racit).	0111.041 rederal/ General	40 CH X 132 Appendix A	103	res, rederar deer A	yes
			For each chronic value for which at least one corresponding appropriate acute value is available, an ACR shall					
			be calculated using the chronic value for the denominator and using the geometric mean of the results of all					
			acceptable flow- through (except static is acceptable for daphnids and midges) acute tests in the same					
2745 4 40	D2l-	-111	· · · · · · · · · · · · · · · · · · ·	C111 011 F- d 1/C 1	40 CED 422 A div. A	W	Var. fadaval CI CDA	
3745-1-40	B2b	shall	dilution water in which the concentrations are measured for the numerator.	6111.041 Federal/General	40 CFR 132 Appendix A	Yes	Yes, federal GLCPA	yes
27.5 4 40	201			644.0415.1.1/0		.,		
3745-1-40	B2b	shall	For fish, the acute test shall be conducted with juveniles.	6111.041 Federal/General	40 CFR 132 Appendix A	Yes	Yes, federal GLCPA	yes
3745-1-40	B2b	shall not	If no such acute tests are available, an ACR shall not be calculated.	6111.041 Federal/General	40 CFR 132 Appendix A	Yes	Yes, federal GLCPA	yes
			For each species, the species mean ACR shall be calculated as the geometric mean of all ACRs available for					
3745-1-40	B2c	shall	that species.	6111.041 Federal/General	40 CFR 132 Appendix A	Yes	Yes, federal GLCPA	yes
3745-1-40	B2d	shall	Thus the FACR shall be obtained in the following ways:	6111.041 Federal/General	40 CFR 132 Appendix A	Yes	Yes, federal GLCPA	yes
			If the species mean ACR seems to increase or decrease as the SMAVs increase, the FACR shall be calculated					
3745-1-40	B2di	shall	as the geometric mean of the ACRs for species whose SMAVs are close to the FAV.	6111.041 Federal/General	40 CFR 132 Appendix A	Yes	Yes, federal GLCPA	yes
			If no major trend is apparent and the ACRs for all species are within a factor of ten, the FACR shall be					
3745-1-40	B2dii	shall	calculated as the geometric mean of all of the species mean ACRs.	6111.041 Federal/General	40 CFR 132 Appendix A	Yes	Yes, federal GLCPA	yes
3745-1-40	B2diii	shall	If the most appropriate species mean ACRs are less than 2.0, the FACR shall be assumed to be 2.0.	6111.041 Federal/General	40 CFR 132 Appendix A	Yes	Yes, federal GLCPA	yes
3745-1-40	B2e	shall	The FCV shall be calculated by dividing the FAV by the FACR.	6111.041 Federal/General	40 CFR 132 Appendix A	Yes	Yes, federal GLCPA	yes
			If the SMCV of a commercially or recreationally important species is lower than the calculated CAC, then that					
3745-1-40	B2f	shall	SMCV shall be used as the CAC instead of the calculated CAC.	6111.041 Federal/General	40 CFR 132 Appendix A	Yes	Yes, federal GLCPA	yes
			If fewer than three acceptable experimentally determined ACRs are available for the chemcial, the secondary					
			acute-chronic ratio (SACR) shall be determined using enough assumed ACRs of eighteen so that the total					
3745-1-40	В3	shall	number of ACRs equals three.	6111.041 Federal/General	40 CFR 132 Appendix A	Yes	Yes, federal GLCPA	yes
3745-1-40	В3	shall	If no experimentally determined ACRs are available, the SACR shall be eighteen.	6111.041 Federal/General	40 CFR 132 Appendix A	Yes	Yes, federal GLCPA	yes
3745-1-40	B4a	shall	The CAV shall be calculated using one of the following equations:	6111.041 Federal/General	40 CFR 132 Appendix A	Yes	Yes, federal GLCPA	yes
			If appropriate, the CAV shall be made a function of a water quality characteristic in a manner similar to that					
3745-1-40	B4b	shall	described in paragraph (A)(3) of this rule.	6111.041 Federal/General	40 CFR 132 Appendix A	Yes	Yes, federal GLCPA	yes
			If the SMCV of a commercially or recreationally important species is lower than the calculated CAV, then that					
3745-1-40	B4c	shall	SMCV shall be used as the CAV instead of the calculated CAV.	6111.041 Federal/General	40 CFR 132 Appendix A	Yes	Yes, federal GLCPA	yes
			If plants are among the aquatic organisms most sensitive to the material, results of a test with a plant in					
3745-1-40	С	shall	another phylum (division) shall also be available.	6111.041 Federal/General	40 CFR 132 Appendix A	Yes	Yes, federal GLCPA	yes
			A plant value shall be the result of a ninety-six-hour test conducted with an alga or a chronic test conducted	·	··			
3745-1-40	C1	shall	with an aquatic vascular plant.	6111.041 Federal/General	40 CFR 132 Appendix A	Yes	Yes, federal GLCPA	yes
				.,	pre-		,	
			A test of the toxicity of a metal to a plant shall not be used if the medium contained an excessive amount of a					
3745-1-40	C1	shall not	complexing agent, such as EDTA, that might affect the toxicity of the metal.	6111.041 Federal/General	40 CFR 132 Appendix A	Yes	Yes, federal GLCPA	yes
10 10	<u> </u>	5311 1100	25	ozzzio izi. ederali dellerali	75 C. II 202 Appendix A	. 55		7.00
3745-1-40	C1	shall	Concentrations of EDTA above two hundred micrograms per liter shall be considered excessive.	6111.041 Federal/General	40 CFR 132 Appendix A	Yes	Yes, federal GLCPA	yes
3, 13 1 40	<u> </u>	Jiidii	onsendations of Estimators and natured interograms per near shall be considered excessive.	official delicity delicity	10 STR 102 Appelluix A	. 23	res, reactar dear A	703
			The FPV shall be obtained by selecting the lowest result from a test with an important aquatic plant species in					
3745-1-40	C2	shall	which the concentrations of test material are measured and the endpoint is biologically important.	6111.041 Federal/General	40 CFR 132 Appendix A	Ves	Yes, federal GLCPA	ves
3/43 1 40	C2	Juan	which the concentrations of test material are measured and the endpoint is biologically important.	OTTT.OTT   EUCLAI/ OCHEIAI	70 CI II 132 Appelluix A	103	ics, icueral decra	yes

3745-1-40	D1	shall	The FAV and SAV shall be applied as maximum concentrations inside the mixing zone.	6111.041	Federal/General	40 CFR 132 Appendix A	Yes	Yes, federal GLCPA	yes
3745-1-40	D2	shall	The AAC and AAV shall be applied as maximum concentrations outside the mixing zone.	6111.041	Federal/General	40 CFR 132 Appendix A	Yes	Yes, federal GLCPA	yes
			The CAC, CAV, and FPV if available shall be applied as thirty-day average concentrations outside the mixing			• •			ĺ
745-1-40	D3	shall	zone.	6111.041	Federal/General	40 CFR 132 Appendix A	Yes	Yes, federal GLCPA	yes
			If the required data to derive the tier I AAC in paragraphs (A)(1) to (A)(3) of this rule are not present in the						
			acute toxicity data base and at least one EC50 or LC50 value is available for a species in one of the following						
			three genera of the family Daphnidae - Ceriodaphnia sp., Daphnia sp., or Simocephalus sp., a tier II secondary						
			acute value (SAV) shall be calculated by dividing the lowest GMAV in the data base by the secondary acute						
			factor (SAF) (see table 40-1 of this rule) corresponding to the number of satisfied minimum data						
3745-1-40	A4a	require	requirements listed in the tier I methodology (see paragraph (A)(1) of this rule).	6111.041	Federal/General	40 CFR 132 Appendix A	Yes	Yes, federal GLCPA	yes
		- 1	Acute-chronic ratio (ACRs) are required for at least one species of aquatic animal in at least three different		,				,
3745-1-40	B2a	require	families provided that of the three species conform to the following:	6111.041	Federal/General	40 CFR 132 Appendix A	Yes	Yes, federal GLCPA	yes
<u> </u>		- 1			,	The state of the s			,
3745-1-40	С	require	Results of at least one acceptable test with a freshwater algae or vascular plant is required.	6111.041	Federal/General	40 CFR 132 Appendix A	Yes	Yes, federal GLCPA	yes
		- 1	Field-measured BAFs. The following procedural and quality assurance requirements shall be met for field-		,				,
3745-1-41	B1	shall	measured BAFs.	6111.041	Federal/General	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
			The field studies used shall be limited to those conducted in the Great Lakes system with fish in trophic levels						7.55
3745-1-41	B1a	shall	three or four.	6111.041	Federal/General	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
07.10 1 11		5.14.1		01111011		TO OF IT IS IN THE IT IS IN THE		7 - 25, 1 - 24 - 14 - 15 - 17 - 17 - 17 - 17 - 17 - 17 - 17	700
3745-1-41	B1b	shall	The trophic level of the fish species shall be determined.	6111.041	Federal/General	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
			The site of the field study shall not be so unique such that the BAF cannot be extrapolated to other locations			To on a second process of			7.55
3745-1-41	B1c	shall not	where the criteria and values will apply.	6111.041	Federal/General	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
07.10 1 11	120	5.14.1.1.00	For organic chemicals, the per cent lipid shall be either measured or reliably estimated for the tissue used in	01111011		TO OF IT IS IN THE IT IS IN THE		7 - 25, 1 - 24 - 14 - 15 - 17 - 17 - 17 - 17 - 17 - 17 - 17	700
3745-1-41	B1d	shall	the determination of the BAF.	6111.041	Federal/General	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
	1		The concentration of the chemical in the water shall be measured in a way that can be related to particulate			To an an analysis approximate		,	7.55
			organic carbon (POC) or dissolved organic carbon (DOC) and shall be relatively constant during the steady-						
3745-1-41	B1e	shall	state time period.	6111 041	Federal/General	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
37.13 1 11	510	Silan	The concentration of the chemical in the water shall be measured in a way that can be related to particulate	0111.011	reactal, deficial	TO CITY 132 Appendix C	1.03	res, rederar GEO. 71	763
			organic carbon (POC) or dissolved organic carbon (DOC) and shall be relatively constant during the steady-						
3745-1-41	B1e	shall	state time period.	6111.041	Federal/General	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
			For organic chemicals with log Kow greater than four, the concentrations of POC and DOC in the ambient						7.55
3745-1-41	B1f	shall	water shall be either measured or reliably estimated.	6111.041	Federal/General	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	ves
									7.55
			For inorganic and organic chemicals, BAFs shall be used only if they are expressed on a wet weight basis;						
			BAFs reported on a dry weight basis cannot be converted to wet weight unless a conversion factor is						
3745-1-41	B1g	shall	measured or reliably estimated for the tissue used in the determination of the BAF.	6111.041	Federal/General	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	ves
	8		Field-measured biota-sediment accumulation factors (BSAFs). The following procedural and quality assurance						7.5
3745-1-41	B2	shall	requirements shall be met for field-measured BSAFs.	6111.041	Federal/General	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
<u> </u>			The field studies used shall be limited to those conducted in the Great Lakes system with fish in trophic levels		,	PP			,
3745-1-41	B2a	shall	three or four.	6111.041	Federal/General	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
			Samples of surface sediments shall be from locations where there is net deposition of fine sediment (zero to		,	- ''		,	ľ
			one centimeter is ideal) and that are representative of average surface sediments in the vicinity of the						
3745-1-41	B2b	shall	organism.	6111.041	Federal/General	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
					·			·	ĺ
3745-1-41	B2c	shall	The Kows used shall be of acceptable quality as described in paragraph (B)(5) of this rule.	6111.041	Federal/General	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
			The site of the field study shall not be so unique such that the resulting BAF cannot be extrapolated to other						
3745-1-41	B2d	shall not	locations where the criteria and values will apply.	6111.041	Federal/General	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
					·				ľ
3745-1-41	B2e	shall	The trophic level of the fish species shall be determined.	6111.041	Federal/General	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
			The per cent lipid shall be either measured or reliably estimated for the tissue used in the determination of						-
3745-1-41	B2f	shall	the BAF.	6111.041	Federal/General	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
			Laboratory-measured BCFs. The following procedural and quality assurance requirements shall be met for			er		,	ĺ
3745-1-41	В3	shall	laboratory-measured BCFs.	6111.041	Federal/General	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
	-		The test organism shall not be diseased, unhealthy, or adversely affected by the concentration of the		,			,	,
3745-1-41	вза	shall not	chemical.	6111.041	Federal/General	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
- · <del>-</del>			The total concentration of the chemical in the water shall be measured and shall be relatively constant during		,			, 250000	,
	B3b	shall	the steady-state time period.		Federal/General	40 CFR 132 Appendix C		Yes, federal GLCPA	

The total concentration of the chemical in the water shall be measured and shall be relatively constant during the steady-state time period.  3745-1-41  B3c  Shall  The organisms shall be exposed to the chemical using a flow-through or renewal procedure.  For organic chemicals, the per cent lipid shall be either measured or reliably estimated for the tissue used in the determination of the BCF.  For organic chemicals with log Kow greater than four, the concentrations of POC and DOC in the test solution shall be either measured or reliably estimated.  For organic chemicals with log Kow greater than four, the concentration of the lest solution shall be either measured or reliably estimated.  In a bioconcentration test, if laboratory-measured BCFs increase or decrease as the concentration of the	40 CFR 132 Appendix C 40 CFR 132 Appendix C		Yes, federal GLCPA	yes
For organic chemicals, the per cent lipid shall be either measured or reliably estimated for the tissue used in the determination of the BCF.  Shall be either measured or reliably estimated for the tissue used in the determination of the BCF.  For organic chemicals with log Kow greater than four, the concentrations of POC and DOC in the test solution shall be either measured or reliably estimated.  Shall be either measured or reliably estimated.  6111.041 Federal/General		Yes		
3745-1-41 B3d shall the determination of the BCF. 6111.041 Federal/General For organic chemicals with log Kow greater than four, the concentrations of POC and DOC in the test solution shall be either measured or reliably estimated. 6111.041 Federal/General			Yes, federal GLCPA	yes
For organic chemicals with log Kow greater than four, the concentrations of POC and DOC in the test solution shall be either measured or reliably estimated.  For organic chemicals with log Kow greater than four, the concentrations of POC and DOC in the test solution shall be either measured or reliably estimated.  6111.041 Federal/General				
3745-1-41 B3e shall shall be either measured or reliably estimated. 6111.041 Federal/General	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
, ,	40 CFR 132 Appendix C	Ves	Yes, federal GLCPA	yes
	40 CFR 132 Appendix C	163	res, rederal oterA	yes
chemical increase in the test solutions, the BCF measured at the lowest test concentration that is above				
concentrations existing in the control water shall be used (i.e., a BCF shall not be calculated from a control				
3745-1-41 B3g shall treatment). 6111.041 Federal/General	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
In a bioconcentration test, if laboratory-measured BCFs increase or decrease as the concentration of the				
chemical increase in the test solutions, the BCF measured at the lowest test concentration that is above concentrations existing in the control water shall be used (i.e., a BCF shall not be calculated from a control				
3745-1-41 B3g shall not treatment). 6111.041 Federal/General	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
The concentrations of an inorganic chemical in a bioconcentration test shall be greater than normal	To di N 2027 Appendix o			700
background levels and greater than levels required for normal nutrition of the test species if the chemical is a				
3745-1-41 B3g shall micronutrient, but below levels that adversely affect the species. 6111.041 Federal/General	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
3745-1-41 B3h shall For inorganic and organic chemicals, BCFs shall be used only if they are expressed on a wet weight basis 6111.041 Federal/General	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
3745-1-41 B3j shall The calculation of the BCF shall address growth dilution. 6111.041 Federal/General	40 CFR 132 Appendix C	Ves	Yes, federal GLCPA	yes
5745 141 BSj Shaii Pric calculation of the Bel Shaii address growth diadon. Office and secretary secretary	40 CFR 132 Appendix C	163	res, rederar deer A	yes
Other aspects of the methodology used shall be similar to those described in "Standard Guide for Conducting				
3745-1-41 B3k shall Bioconcentration Tests with Fishes and Saltwater Bivalve Molluscs. Standard E1022." 6111.041 Federal/General	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
3745-1-41 B4 shall The following procedural and quality assurance requirements shall be met for predicted BCFs. 6111.041 Federal/General	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
3745-1-41 B4a shall The Kow used shall be of acceptable quality as described in paragraph (B)(5) of this rule. 6111.041 Federal/General	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
STATE TO STATE STATE STATE STATE OF ACCEPTABLE QUARTY AS ACCOUNTY OF A STATE STATE.	TO CITY 1927 Appendix C	163	Tes, rederar Geer /1	yes
3745-1-41 B4b shall The predicted baseline BCF shall be calculated using the equation 6111.041 Federal/General	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
The value of Kow used for an organic chemical shall be determined by giving priority to the experimental and				
3745-1-41 B5a shall computational techniques used as shown in table 41-1 of this rule. 6111.041 Federal/General	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
The value of Kow used for an organic chemical shall be either the geometric mean of the available Kows with				
3745-1-41 B5b shall highest priority or the arithmetic mean of the available log Kows with the highest priority. 6111.041 Federal/General	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
	То от то от тру от то	1.00		
Because it is an intermediate value in the derivation of a BAF, the values used for the Kow and log Kow of a				
3745-1-41 B5b shall not chemical shall not be rounded to fewer than three significant digits after the decimal point. 6111.041 Federal/General	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
Baseline BAFs shall be derived using the following four methods, which are listed from most preferred to	40.05D 433 A		V	
3745-1-41 C shall least preferred. 6111.041 Federal/General For comparative purposes, baseline BAFs shall be derived for each chemical by as many of the four methods	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
3745-1-41 C4 shall as available data allow. 6111.041 Federal/General	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
For the purposes of this rule, the relationship between the total concentration of the chemical in the ambient	То от то от тру от то	1.00		
water (i.e., that which is freely dissolved plus that which is sorbed to particulate organic carbon or to				
dissolved organic carbon) to the freely dissolved concentration of the chemical in the ambient water shall be				
3745-1-41 D2 shall calculated using the following equation: 6111.041 Federal/General	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
The fraction of the total chemical in the ambient water that is freely dissolved (ffd), shall be calculated using the following equation:  6111.041 Federal/General	40 CFR 132 Appendix C	Voc	Yes, federal GLCPA	
3745-1-41 D2 shall the following equation: 6111.041 Federal/General	40 CFK 132 Appelluix C	res	res, rederal GLCPA	yes
In the absence of a field-measured BAF or a predicted BAF derived from a BSAF, an FCM shall be used to				
3745-1-41 D3 shall calculate the baseline BAF for trophic levels three and four from a laboratory-measured or predicted BCF. 6111.041 Federal/General	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
For an organic chemical, the FCM used shall be derived from table 41-2 of this rule using the chemical's log				
3745-1-41 D3 shall Kow and linear interpolation. 6111.041 Federal/General	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
The trophic level used shall take into account the age or size of the fish species consumed by the human,	40 CFD 100 1 " -		v 6 1 1 2 2 2 2 2	
3745-1-41 D3 shall avian or mammalian predator. 6111.041 Federal/General	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
3745-1-41 D4 shall A baseline BAF shall be calculated from a field-measured BAF using the following equation: 6111.041 Federal/General	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
INTERPRETATION OF DESCRIPTION OF DESCRIPTION OF DESCRIPTION OF THE PROPERTY OF	10 C. I. 202 Appellance	. 50		1,55
For each trophic level, a species mean measured baseline BAF shall be calculated as the geometric mean if	i i			

						1	1	
3745-1-41	D4	shall	For each trophic level, the geometric mean of the species mean measured baseline BAFs shall be calculated.	6111.041 Federal/General	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
			If a baseline BAF based on a measured BAF is available for either trophic level three or four, but not both, a measured baseline BAF for the other trophic level shall be calculated using the ratio of the FCMs that are					
3745-1-41	D4	shall	obtained by linear interpolation from table 41-2 of this rule for the chemical.	6111.041 Federal/General	40 CFR 132 Appendix C	Ves	Yes, federal GLCPA	yes
3743-1-41	D4	Silali	A baseline BAF for organic chemical "I" shall be calculated from a field-measured BSAF of acceptable quality	0111.041   Tederal/ General	40 CI N 132 Appendix C	163	res, rederar GLCFA	yes
3745-1-41	D5a	shall	using the following equation:	6111.041 Federal/General	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
3745-1-41	D5b	shall	A BSAF shall be calculated using the following equation:	6111.041 Federal/General	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
			The organic carbon-normalized concentration of a chemical in sediment (Csoc), shall be calculated using the	·			·	
3745-1-41	D5c	shall	following equation:	6111.041 Federal/General	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
			For each trophic level, a species mean baseline BAF shall be calculated as the geometric mean if more than					
3745-1-41	D5e	shall	one baseline BAF is predicted from BSAFs for a given species.	6111.041 Federal/General	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
			For each trophic level, the geometric mean of the species mean baseline BAFs derived using BSAFs shall be					
3745-1-41	D5e	shall	calculated.	6111.041 Federal/General	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
			If a baseline BAF based on a measured BSAF is available for either trophic level three or four, but not both, a					
			baseline BAF for the other trophic level shall be calculated using the ratio of the FCMs that are obtained by					
3745-1-41	D5f	shall	linear interpolation from table 41-2 of this rule for the chemical.	6111.041 Federal/General	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
			Calculation of a baseline BAF from a laboratory-measured BCF. A baseline BAF for trophic level three and a					
			baseline BAF for trophic level four shall be calculated from a laboratory-measured BCF of acceptable quality					
3745-1-41	D6	shall	and an FCM using the following equation:	6111.041 Federal/General	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
2745 4 44	D.C.		For each trophic level, a species mean baseline BAF shall be calculated as the geometric mean if more than	6444 044 5 1 1/6	40.05D 433.4 II. C		V	
3745-1-41	D6	shall	one baseline BAF is predicted from laboratory-measured BCFs for a given species.	6111.041 Federal/General	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
2745 4 44	DC	-b - II	For each trophic level, the geometric mean of the species mean baseline BAFs based on	C111 011 Fadaral/Caranal	40 CED 433 Ammondia C	W	Vee federal CLCDA	
3745-1-41	D6	shall	laboratory-measured BCFs shall be calculated.  A baseline BAF for trophic level three and a baseline BAF for trophic level four shall be calculated from a Kow	6111.041 Federal/General	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
3745-1-41	D7	shall		6111.041 Federal/General	40 CFR 132 Appendix C	Voc	Yes, federal GLCPA	voc.
3743-1-41	U/	Sildii	of acceptable quality and an FCM using the following equation:  A baseline BAF for trophic level three and a baseline BAF for trophic level four shall be calculated from a Kow	6111.041 Federal/General	40 CFR 132 Appendix C	res	res, lederal GLCPA	yes
3745-1-41	E1	shall	of acceptable quality and an FCM using the following equation:	6111.041 Federal/General	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
3745-1-41	E2	shall	The human health BAFs for an organic chemical shall be calculated using the equations.	6111.041 Federal/General	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
3745-1-41	E3	shall	The wildlife BAFs for an organic chemical shall be calculated using the following equations:	6111.041 Federal/General	40 CFR 132 Appendix C	Ves	Yes, federal GLCPA	yes
37 13 1 11		Silan	Measured BAFs and BCFs used to determine human health BAFs for inorganic chemicals shall be based on	official reactary deficial	10 CFR 132 Appendix C	163	res, rederar decrive	763
			edible tissue of freshwater fish unless it is demonstrated that whole-body BAFs or BCFs are similar to edible-					
3745-1-41	F2a	shall	tissue BAFs or BCFs.	6111.041 Federal/General	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
	1.24		A species mean measured baseline BAF shall be calculated as the geometric mean if more than one measured		то от технория и		,	,,,,,
3745-1-41	F2bi	shall	BAF is available for a given species.	6111.041 Federal/General	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	ves
	-		The geometric mean of the species mean measured baseline BAFs shall be used as the human health BAF for		PIP -			, , , ,
3745-1-41	F2bii	shall	that chemical.	6111.041 Federal/General	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
							·	
			If an acceptable measured baseline BAF is not available for an inorganic chemical and one or more acceptable					
			edible-portion laboratory-measured BCFs are available for the chemical, a predicted baseline BAF shall be					
3745-1-41	F2c	shall	calculated by multiplying the geometric mean of the BCFs times an FCM	6111.041 Federal/General	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
3745-1-41	F2c	shall	The FCM shall be 1.0 unless chemical-specific biomagnification data support using a multiplier other than 1.0.	6111.041 Federal/General	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
3745-1-41	F2c	shall	The predicted baseline BAF shall be used as the human health BAF for that chemical.	6111.041 Federal/General	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
			Measured BAFs and BCFs used to determine wildlife BAFs for inorganic chemicals shall be based on whole-					
			body freshwater fish and invertebrate data unless it is demonstrated that edible-tissue BAFs or BCFs are					
3745-1-41	F3a	shall	similar to whole-body BAFs or BCFs.	6111.041 Federal/General	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
			For each trophic level, a species mean measured baseline BAF shall be calculated as the geometric mean if					
3745-1-41	F3bi	shall	more than one measured BAF is available for a given species.	6111.041 Federal/General	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
			For each trophic level, the geometric mean of the species mean measured baseline BAFs shall be used as the					
3745-1-41	F3bii	shall	wildlife BAF for that chemical.	6111.041 Federal/General	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
			If an acceptable measured baseline BAF is not available for an inorganic chemical and one or more acceptable					
			whole-body laboratory-measured BCFs are available for the chemical, a predicted baseline BAF shall be					
	F3biii	shall	calculated by multiplying the geometric mean of the BCFs times an FCM.	6111.041 Federal/General	40 CFR 132 Appendix C		Yes, federal GLCPA	

		1				1		
3745-1-41	F3biii	shall	The FCM shall be 1.0 unless chemical-specific biomagnification data support using a multiplier other than 1.0.	6111.041 Federal/General	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
3745-1-41	F3biii	shall	The predicted baseline BAF shall be used as the wildlife BAF for that chemical.	6111.041 Federal/General	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
			For both organic and inorganic chemicals, human health and wildlife BAFs for both trophic levels shall be		то от тест пре от от	1		7-5
			reviewed for consistency with all available data concerning the bioaccumulation, bioconcentration, and					
745-1-41	G	shall	metabolism of the chemical.	6111.041 Federal/General	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
		5.14.1	The case in the circumstant of c	011110 11 1 000101, 00110101	10 0111 2021 (ppenium e	1.00	1.00, 1.000.01.02.01.11	700
3745-1-41	G	shall	BAFs derived in accordance with this methodology shall be modified if changes are justified by available data.	6111.041 Federal/General	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
			Because BAFs and BCFs for organic chemicals are related to the per cent lipid, it does not make any		то оттабат представите			755
			difference whether the tissue sample is whole body or edible portion, but both the BAF (or BCF) and the per					
3745-1-41	D1b	must	cent lipid must be determined for the same type of tissue	6111.041 Federal/General	40 CFR 132 Appendix C	Yes	Yes. federal GLCPA	yes
			The concentrations of an inorganic chemical in a bioconcentration test shall be greater than normal		то от тест пре от от			7-2-
			background levels and greater than levels required for normal nutrition of the test species if the chemical is a					
3745-1-41	B3g	require	micronutrient, but below levels that adversely affect the species.	6111.041 Federal/General	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	ves
<u> </u>	- 0		Predicting BAFs from BSAFs requires data from a steady-state (or near		, in the second			,
			steady-state) condition between sediment and ambient water for both a reference chemical "r" with a field-					
3745-1-41	D5d	require	measured BAFfdl and other chemicals "N=i" for which BSAFs are to be determined.	6111.041 Federal/General	40 CFR 132 Appendix C	Yes	Yes. federal GLCPA	yes
<u> </u>		- 4	All pollutants or combinations of pollutants, for which human health criteria have not been adopted in rule				,	,
			3745- 1-33 or 3745-1-34 of the Administrative Code, shall not exceed the water quality criteria or values					
3745-1-42	intro	shall not	derived using the procedures contained in this rule.	6111.041 Federal	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
	-		The criteria and values developed shall provide a level of protection likely to be without appreciable risk of				,	
3745-1-42	A2	shall	carcinogenic or noncarcinogenic effects.	6111.041 Federal	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
							·	,
			Ambient criteria and values for single carcinogens shall not be set at a level representing a lifetime upper-					
			bound incremental risk greater than one in one hundred thousand of developing cancer using the hazard					
745-1-42	A2	shall not	assessment techniques and exposure assumptions described in this rule.	6111.041 Federal	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
			Criteria and values affording protection from noncarcinogenic effects shall be established at levels that,				,	
			taking into account uncertainties, are considered likely to be without an appreciable risk of adverse human					
			health effects (i.e., acute, subchronic and chronic toxicity including reproductive and developmental effects)					
			during a lifetime of exposure, using the risk assessment techniques and exposure assumptions described in					
3745-1-42	A2	shall	this rule.	6111.041 Federal	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
			Chemical concentration levels in surface water protective of human health shall be derived based on either a				·	,
3745-1-42	A3	shall	tier I or tier II classification.	6111.041 Federal	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
							·	
			The best available toxicity data on the adverse health effects of a chemical and the best data on					
3745-1-42	В	shall	bioaccumulation factors shall be used when developing human health tier I criteria or tier II values.	6111.041 Federal	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
			The best available toxicity data shall include data from well-conducted epidemiologic or animal studies which					
			provide, in the case of carcinogens, an adequate weight of evidence of potential human carcinogenicity and,					
			in the case of noncarcinogens, a dose-response relationship involving critical effects biologically relevant to					
3745-1-42	В	shall	humans.	6111.041 Federal	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
			Such information shall be obtained from the U.S. EPA integrated risk information system (IRIS) database,					
			scientific literature, and other informational databases, studies and reports containing adverse health effects					
3745-1-42	В	shall	data of adequate quality for use in this rule, when available.	6111.041 Federal	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
			Strong consideration shall be given to the most currently available guidance provided by IRIS in deriving					
3745-1-42	В	shall	criteria or values, supplemented with any recent data not incorporated into IRIS.	6111.041 Federal	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
			The best available bioaccumulation data shall include data from field studies and well-conducted laboratory					
3745-1-42	В	shall	studies.	6111.041 Federal	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
			Tier I human cancer criteria (HCC) and tier II human cancer values (HCV) shall be derived using the					
			methodologies described in paragraph (C)(1) of this rule when there is adequate evidence of potential human					
3745-1-42	B1a	shall	carcinogenic effects for a chemical.	6111.041 Federal	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
			The U.S. EPA classification system for chemical carcinogens, which is described in "Guidelines for Carcinogen					
			Risk Assessment, Risk Assessment Forum, U.S. Environmental Protection Agency" shall be used in					
3745-1-42	B1a	shall	determining whether adequate evidence of potential carcinogenic effects exists.	6111.041 Federal	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
			The human evidence shall be considered inadequate and therefore the chemical cannot be classified as a		• •			
3745-1-42	B1a	shall	human carcinogen, if any of the following conditions exists:	6111.041 Federal	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
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			Weight of evidence of potential human carcinogenic effects sufficient to derive a HCC shall generally include						
			chemicals that are carcinogenic to humans and likely to be carcinogenic to humans and can include, on a case						
			by-case basis as determined by the director, chemicals with suggestive evidence of carcinogenic potential if						
			studies have been well-conducted when compared to studies used in classifying chemicals that are						
3745-1-42	B1e	shall	carcinogenic to humans or likely to be carcinogenic to humans.	6111.041	Federal	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
3743142	DIC	Silan	The decision to use data on a chemical with suggestive evidence of carcinogenic potential for deriving tier I	0111.041	reactar	40 CFR 132 Appendix C	163	res, rederar deer A	yes
3745-1-42	B1e	shall	criteria shall be a case-by-case determination.	6111.041	Federal	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
			. In determining whether to derive a HCC, additional evidence that shall be considered includes but is not						
			limited to available information on mode of action, such as mutagenicity/genotoxicity (determinations of						
3745-1-42	B1e	shall	whether the chemical interacts directly with DNA), structure activity, and metabolism.	6111.041	Federal	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
			Weight of evidence of chemicals with effects suggestive of carcinogenic potential sufficient to derive a HCV						
			shall include those chemicals with suggestive evidence of carcinogenic potential for which there are, at a						
			minimum, data sufficient for quantitative risk assessment, but for which data are inadequate for tier I						
	•		criterion development due to a tumor response of marginal statistical significance or inability to derive a						
3745-1-42	B1f	shall	strong dose-response relationship.	6111.041	Federal	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
			In determining whether to derive tier II human cancer values, additional evidence that shall be considered						
			includes but is not limited to available information on mode of action such as mutagenicity/genotoxicity						
3745-1-42	B1f	shall	(determinations of whether the chemical interacts directly with DNA), structure activity and metabolism.	6111.041	Endoral	40 CFR 132 Appendix C	Vos	Yes, federal GLCPA	ves
3743-1-42	DII	Silali	(determinations of whether the chemical interacts directly with DNA), structure activity and metabolism.	0111.041	reuerai	40 CFK 132 Appendix C	res	res, lederal GLCFA	yes
			As with the use of data on chemicals with suggestive evidence of carcinogenic potential in developing tier I						
			criteria, the decision to use data on chemicals with suggestive evidence of carcinogenic potential to derive						
3745-1-42	B1f	shall	tier II values shall be made on a case-by-case basis by the director.	6111.041	Federal	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	ves
						The second secon			,
			All available toxicity data shall be evaluated considering the full range of possible health effects of a chemical,						
			i.e., acute/subacute, chronic/subchronic and reproductive/developmental effects, in order to best describe						
			the dose- response relationship of the chemical, and to calculate human noncancer criteria (HNC) and human						
3745-1-42	B2a	shall	noncancer values (HNV) which will protect against the most sensitive endpoint of toxicity.	6111.041	Federal	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
			The minimum data set sufficient to derive an HNC shall include at least one well-conducted epidemiologic						
3745-1-42	B2b	shall	study or animal study.	6111.041	Federal	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
			As with tier I criteria, all available data shall be considered and shall address a range of adverse health effects						
3745-1-42	B2c	shall	with exposure over a substantial portion of the lifespan (or multiple generations) of the test species.	6111.041	Federal	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
2745 4 42	D2 -	-111	As with tier I criteria, all available data shall be considered and shall address a range of adverse health effects	6111 011	Fadamal	40 CED 422 Approved to C	V	Var. fadaval CLCDA	
3745-1-42	B2c	shall	with exposure over a substantial portion of the lifespan (or multiple generations) of the test species.	6111.041	Federal	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
			With the use of appropriate uncertainty factors to account for a less extensive database, the minimum data sufficient to derive a tier II value shall include a NOAEL from at least one well-conducted short-term repeated						
3745-1-42	B2c	shall	dose study.	6111.041	Enderal	40 CFR 132 Appendix C	Vec	Yes, federal GLCPA	Vec
3743-1-42	BZC	Silali	This study shall be of at least twenty-eight days duration, in animals demonstrating a dose-response, and	0111.041	reuerai	40 CFR 132 Appendix C	ies	res, rederar decra	yes
3745-1-42	B2c	shall	involving effects biologically relevant to humans.	6111.041	Federal	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
37.13 1 12	520	Silan	Use of a LOAEL shall be based on consideration of the following information: severity of effect, quality of the	0111.011	reaciai	TO CITY 192 Appendix C	1.63	res, rederar deer //	763
3745-1-42	B2c	shall	study and duration of the study.	6111.041	Federal	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
			To be considered a tier I cancer or noncancer human health criterion, along with satisfying the minimum					•	,
			toxicity data requirements of paragraphs (B)(1) and (B)(2) of this rule, a chemical shall have the following						
3745-1-42	B3a	shall	minimum bioaccumulation data.	6111.041	Federal	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
			A non-threshold mechanism of carcinogenesis shall be assumed unless biological data adequately						
3745-1-42	C1a	shall	demonstrate the existence of a threshold on a chemical-specific basis.	6111.041	Federal	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
3745-1-42	C1b	shall	All appropriate human epidemiologic data and animal cancer bioassay data shall be considered.	6111.041	Federal	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
3745-1-42	C1b	shall	Data specific to an environmentally appropriate route of exposure shall be used.	6111.041	Federal	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
2745 4 42	641	,	The risk associated dose shall be set at a level corresponding to an incremental cancer risk of one in one	6444.0		40.050.400.4 " 5	.,	V 6 1 10:005	
3745-1-42	C1b	shall	hundred thousand.	6111.041	rederal	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
2745 1 42	C1h	als = 11	If acceptable human epidemiologic data are available for a chemical, they shall be used to derive the risk	C444 044	Fadaral	40 CED 433 A	Vac	Van faderel CLCDA	
3745-1-42	C1b	shall	associated dose.  . If acceptable human epidemiologic data are not available, the risk associated dose shall be derived from	6111.041	reueral	40 CFR 132 Appendix C	162	Yes, federal GLCPA	yes
2745_1 42	C1h	shall	available animal bioassay data.	6111 041	Enderal	40 CEP 122 Apparding	Vec	Vos fodoral CLCDA	ves
3745-1-42	C1b	Silali	avaiianie allilliai niuassay uata.	6111.041	i cucidi	40 CFR 132 Appendix C	162	Yes, federal GLCPA	yes

			In the absence of data to distinguish the most relevant species, data from the most sensitive species tested,					
3745-1-42	C1b	shall	i.e., the species showing a carcinogenic effect at the lowest administered dose, shall be used.	6111.041 Federal	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
			When animal bioassay data are used and a non-threshold mechanism of carcinogenicity is assumed, the data		P.P.			,
3745-1-42	C1c	shall	shall be fitted to a linearized multistage model.	6111.041 Federal	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
-			The upper-bound ninety-five per cent confidence limit on risk (or, the lower ninety-five per cent confidence		P.P.			,
			limit on dose) at the one in one hundred thousand risk level shall be used to calculate a risk associated dose					
3745-1-42	C1c	shall	(RAD).	6111.041 Federal	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	ves
3743 1 42	CIC	Silan	In the absence of alternative approaches which compensate for study durations significantly less than	0111.04111 Cuciui	40 CFR 132 Appendix C	103	res, rederar GEGFA	yes
			lifetime, the process described in "Methodology for Deriving Ambient Water Quality Criteria for the					
			Protection of Human Health, Office of Science and Technology, Office of Water, U.S. Environmental					
3745-1-42	C1d	shall	Protection Agency" shall be used.	6111.041 Federal	40 CFR 132 Appendix C	Vec	Yes. federal GLCPA	yes
3743-1-42	CIU	Silali	Protection Agency Stian be used.	0111.041 rederar	40 CFR 132 Appendix C	163	res, lederal decra	yes
3745-1-42	C1e	shall	A species scaling factor shall be used to account for differences between test species and humans.	6111.041 Federal	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
1								
3745-1-42	C1e	shall	It shall be assumed that milligrams per surface area per day is an equivalent dose between species.	6111.041 Federal	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
ĺ			All doses presented in mg/kg body weight shall be converted to an equivalent surface area dose by raising the					
3745-1-42	C1e	shall	mg/kg dose to the two-thirds power.	6111.041 Federal	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
3745-1-42	C1f	shall	Consideration shall be given to tumor selection for modeling.	6111.041 Federal	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
J. 13 1 72	011	Jiidii	Sold and the state of the state	OTTT:OTT   Cacial	10 St R 192 Appendix C		res, reactal otter A	,
3745-1-42	C1f	shall	All doses shall be adjusted to give an average daily dose over the study duration.	6111.041 Federal	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
							·	
3745-1-42	C1f	shall	Adjustments in the rate of tumor response shall be made for early mortality in test species.	6111.041 Federal	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
3745-1-42	C1f	shall	The goodness-of-fit of the model to the data shall also be assessed.	6111.041 Federal	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
			When a linear, non-threshold dose response relationship is assumed, the RAD shall be calculated using the					
3745-1-42	C1g	shall	following equation:	6111.041 Federal	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
			Noncarcinogens shall generally be assumed to have a threshold dose or concentration below which no					
3745-1-42	C2a	shall	adverse effects should be observed.	6111.041 Federal	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
			Therefore, the tier I criterion or tier II value shall be the maximum water concentration of a substance at or					
			below which a lifetime exposure from drinking the water, consuming fish caught in the water, and ingesting					
			water as a result of participating in water-related recreation activities is likely to be without appreciable risk					
3745-1-42	C2a	shall	of deleterious effects.	6111.041 Federal	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
			Criteria and values for these types of chemicals shall be established on a case-by-case basis using appropriate					
3745-1-42	C2a	shall	assumptions reflecting the likelihood that no threshold exists.	6111.041 Federal	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
2745 4 42	C21-	-111		C111 011 5- 1	40 CED 422 Ann and in C	V	V f CLCDA	
3745-1-42	C2b	shall	All appropriate human and animal toxicologic data shall be reviewed and evaluated.	6111.041 Federal	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
3745-1-42	Cab	ah a II	To the maximum extent possible, data most specific to the environmentally relevant route of exposure shall	6111.041 Federal	40 CFR 132 Appendix C	Vas	Yes, federal GLCPA	
3745-1-42	C2b	snaii	be used.	6111.041 Federal	40 CFR 132 Appendix C	res	Yes, lederal GLCPA	yes
2745 4 42	COL	-111	When acceptable human data are not available (e.g., well-conducted epidemiologic studies), animal data	C111 011 5- dl	40 CED 433 A man and the C	V	Van farland CLCDA	
3745-1-42	C2b	shall	from species most biologically relevant to humans shall be used.	6111.041 Federal	40 CFR 132 Appendix C	162	Yes, federal GLCPA	yes
			In the absence of data to distinguish the most relevant species, data from the most sensitive animal species					
2745 1 42	Cah	ab = 11	tested, i.e., the species showing a toxic effect at the lowest administered dose (given a relevant route of	C111 041 5 - 1 1	40 CED 433 A !' C	Vas	Vec fortonel CLCDA	
3745-1-42	C2b	shall	exposure), shall be used.	6111.041 Federal	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
			The experimental exposure level representing the highest level tested at which no adverse effects were					
2745 1 42	C2-	ah all	demonstrated (NOAEL) from studies satisfying the provisions of paragraph (B)(2) of this rule shall be used for	6111 041 564	40 CED 433 A	Voc	Voc fodor-I CI CDA	vee.
3745-1-42	C2c	shall	criteria calculations.	6111.041 Federal	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
			Uncertainty factors shall be used to account for the uncertainties in predicting acceptable dose levels for the					
3745-1-42	C2d	shall	general human population based upon experimental animal data or limited human data.	6111.041 Federal	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
	324	5.14.11	An uncertainty factor of ten shall be used when extrapolating from valid experimental results from studies on	5222.0 12 1 Caciai	Sin 152 Appendix C	1.00	. co, reactar alor A	,
3745-1-42	C2di	shall	prolonged exposure to average healthy humans.	6111.041 Federal	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
								-
			An uncertainty factor of one hundred shall be used when extrapolating from valid results of long-term studies					
3745-1-42	C2dii	shall	on experimental animals when results of studies of human exposure are not available or are inadequate.	6111.041 Federal	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes
			An uncertainty factor of up to one thousand shall be used when extrapolating from animal studies for which					
			the exposure duration is less than chronic, but greater than ninety days length, or when other significant					
3745-1-42	C2diii	shall	deficiencies in study quality are present, and when useful long-term human data are not available.	6111.041 Federal	40 CFR 132 Appendix C	Yes	Yes, federal GLCPA	yes

			An uncertainty factor of up to three thousand shall be used when extrapolating from animal studies for which	1			
3745-1-42	C2div	shall	the exposure duration is less than twenty-eight days.	6111.041 Federal	40 CFR 132 Appendix C Yes	Yes, federal GLCPA	yes
37.13.1.12	CZGIV	Jiidii	The level of additional uncertainty applied shall depend upon the severity and the incidence of the observed	offic it redetal	10 CTN 132 Appendix C Tes	res, rederar George	yes
3745-1-42	C2dv	shall	adverse effect.	6111.041 Federal	40 CFR 132 Appendix C Yes	Yes, federal GLCPA	yes
			The level of quality and quantity of the experimental data available as well as structure-activity relationships		P.F.		,
3745-1-42	C2dvi	shall	shall be used to determine the factor selected.	6111.041 Federal	40 CFR 132 Appendix C Yes	Yes, federal GLCPA	yes
			When deriving an uncertainty factor in developing a tier I criterion or tier II value, the total uncertainty, as			,	,
			calculated following the guidance of paragraphs (C)(2)(d)(i) to (C)(2)(d)(vi) of this rule, shall not exceed ten				
3745-1-42	C2dvii	shall not	thousand for tier I criteria and thirty thousand for tier II values.	6111.041 Federal	40 CFR 132 Appendix C Yes	Yes, federal GLCPA	yes
			All study results shall be converted, as necessary, to the standard unit for acceptable daily exposure of				
			milligrams of toxicant per kilogram of body weight per day (mg/kg/day). Doses shall be adjusted for				
3745-1-42	C2e	shall	continuous exposure.	6111.041 Federal	40 CFR 132 Appendix C Yes	Yes, federal GLCPA	yes
			All study results shall be converted, as necessary, to the standard unit for acceptable daily exposure of				
			milligrams of toxicant per kilogram of body weight per day (mg/kg/day). Doses shall be adjusted for				
3745-1-42	C2e	shall	continuous exposure.	6111.041 Federal	40 CFR 132 Appendix C Yes	Yes, federal GLCPA	yes
3745-1-42	C3a	shall	Carcinogens. The tier I HCC and tier II HCV shall be calculated using the following equation:	6111.041 Federal	40 CFR 132 Appendix C Yes	Yes, federal GLCPA	yes
3745-1-42	C3b	shall	Noncarcinogens. The tier I HNC or tier II HNV shall be calculated using the following equation:	6111.041 Federal	40 CFR 132 Appendix C Yes	Yes, federal GLCPA	yes
			Application of criteria and values. The HCC, HCV, HNC and HNV shall be applied as thirty-day average				
3745-1-42	D	shall	concentrations outside the mixing zone.	6111.041 Federal	40 CFR 132 Appendix C Yes	Yes, federal GLCPA	yes
			A wall as adveted and an identicate of the far an UNC mount available avanceurs level and demonstrate monitive				
2745 1 42	nah	was so the	A well-conducted epidemiologic study for an HNC must quantify exposure level and demonstrate positive	C111 041 Fodorol	40 CER 122 Appendix C Ves	Yes, federal GLCPA	
3745-1-42	B2b	must	association between exposure to a chemical and adverse effect in humans.  A well-conducted study in animals must demonstrate a dose response relationship involving one or more	6111.041 Federal	40 CFR 132 Appendix C Yes	res, rederal GLCPA	yes
3745-1-42	Dah	must		6111 041 Fodoral	40 CFR 132 Appendix C Yes	Yes, federal GLCPA	vos.
3743-1-42	B2b	must	critical effect biologically relevant to humans.  For an HNC developed pursuant to this rule, such a limited study must be conducted for at least ninety days	6111.041 Federal	40 CFR 132 Appendix C Tes	res, rederal GLCPA	yes
			in rodents or ten per cent of the lifespan of other appropriate test species and demonstrate a no observable				
3745-1-42	B2b	must	adverse effect level (NOAEL).	6111.041 Federal	40 CFR 132 Appendix C Yes	Yes, federal GLCPA	yes
3743-1-42	B20	illust	adverse effect lever (NOALL).	0111.041 rederal	40 CFR 132 Appendix C Tes	res, rederal GLCFA	yes
3745-1-42	C1f	must	Additional data selection and adjustment decisions must also be made in the process of quantifying risk.	6111.041 Federal	40 CFR 132 Appendix C Yes	Yes, federal GLCPA	yes
		111200	,				7-2
3745-1-42	C2a	may not	For some noncarcinogens, there may not be a threshold dose below which no adverse effects are observed.	6111.041 Federal	40 CFR 132 Appendix C Yes	Yes, federal GLCPA	yes
3745-1-42	C2a	may not	Other chemicals also may not demonstrate a threshold.	6111.041 Federal	40 CFR 132 Appendix C Yes	Yes, federal GLCPA	yes
			Equation for avian and mammalian wildlife values. Tier I wildlife values for BCCs shall be calculated using the				
3745-1-43	B1	shall	following equation:	6111.041 Federal	40 CFR 132 Appendix D Yes	Yes, federal GLCPA	yes
			TD = test dose in milligrams of substance per kilograms per day (mg/kg-d) for the test species. This shall be				
3745-1-43	B1	shall	either a NOAEL or a LOAEL.	6111.041 Federal	40 CFR 132 Appendix D Yes	Yes, federal GLCPA	yes
			UFA = uncertainty factor for extrapolating toxicity data across species (unitless). A species-specific UF shall be	5444 044 5 1 1	10 055 100 1 U D V		
3745-1-43	B1	shall	selected and applied to each representative species, consistent with the equation.	6111.041 Federal	40 CFR 132 Appendix D Yes	Yes, federal GLCPA	yes
			For consumption of piscivorous birds by other birds (e.g., herring gull by eagles), the BAF shall be derived by				
2745 1 42	D4	ah a II	multiplying the trophic level three BAF for fish by a biomagnification factor to account for the	6111.041 Federal	40 CER 133 Appendix D. Ves	Vac fodoval CLCDA	
3745-1-43	B1	shall	biomagnification from fish to the consumed birds.  The TD obtained from toxicity data for each taxonomic class shall be used to calculate WVs for each of the	6111.041 Federal	40 CFR 132 Appendix D Yes	Yes, federal GLCPA	yes
3745-1-43	B2	shall	·	6111.041 Federal	40 CFR 132 Appendix D Yes	Vos fodoral CLCDA	vos.
3743-1-43	DZ	Sildii	five representative species.	6111.041 Federal	40 CFR 132 Appendix D Tes	Yes, federal GLCPA	yes
3745-1-43	В3	shall	The lower of the mammalian and avian WVs shall be selected as the tier I criterion.	6111.041 Federal	40 CFR 132 Appendix D Yes	Yes, federal GLCPA	yes
					те еги дел другиеми		7-2
			. To derive a tier I criterion for wildlife, the data set shall provide enough data to generate a subchronic or				
3745-1-43	C2	shall	chronic dose-response curve for any given substance for both mammalian and avian species.	6111.041 Federal	40 CFR 132 Appendix D Yes	Yes, federal GLCPA	yes
			In reviewing the toxicity data available which meet the minimum data requirements for each taxonomic			-	-
			class, the following order of preference shall be applied to select the appropriate TD to be used for				
3745-1-43	C2	shall	calculation of individual WVs.	6111.041 Federal	40 CFR 132 Appendix D Yes	Yes, federal GLCPA	yes
			An acceptable field study shall be of subchronic or chronic duration, provide a defensible, chemical-specific				
			dose- response curve in which cause and effect are clearly established, and assess acceptable endpoints as				
3745-1-43	C2	shall	defined in this document.	6111.041 Federal	40 CFR 132 Appendix D Yes	Yes, federal GLCPA	yes
			When laboratory studies are used, preference shall be given to laboratory studies with wildlife species over				
3745-1-43	C2	shall	traditional laboratory animals to reduce uncertainties in making interspecies extrapolations.	6111.041 Federal	40 CFR 132 Appendix D Yes	Yes, federal GLCPA	ves

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			All available laboratory data and field studies shall be reviewed to corroborate the final tier I criterion, to						
2745 4 42	63	-l II	assess the reasonableness of the toxicity value used, and to assess the appropriateness of any UFs which are	6111 011	Fadaual	40 CED 433 Assessed to D	V	Van fadaral CLCDA	
3745-1-43	C2	shall	applied.	6111.041	Federal	40 CFR 132 Appendix D	Yes	Yes, federal GLCPA	yes
2745 1 42	C	shall	When evaluating the studies from which a test dose is derived in general, the following requirements shall be	6111 041	Fodoral	40 CER 122 Appendix D	Voc	Voc fodoral CLCDA	was.
3745-1-43	C2	Shall	met:  The mammalian data shall come from at least one well-conducted study of ninety days or greater designed to	6111.041	. rederal	40 CFR 132 Appendix D	res	Yes, federal GLCPA	yes
3745-1-43	C2a	shall	observe subchronic or chronic effects as defined in this document.	6111.041	Fodoral	40 CFR 132 Appendix D	Voc	Yes, federal GLCPA	vos
3743-1-43	CZd	Sildii	The avian data shall come from at least one well-conducted study of seventy days or greater designed to	0111.041	. reuerai	40 CFR 132 Appendix D	res	res, rederal GLCPA	yes
3745-1-43	C2b	shall	observe subchronic or chronic effects as defined in this rule.	6111.041	Federal	40 CFR 132 Appendix D	Voc	Yes, federal GLCPA	yes
3743-1-43	C25	Silali	In assessing the studies which meet the minimum data requirements, preference shall be given to studies	0111.041	lieuerai	40 CI N 132 Appendix D	163	res, rederar decra	yes
3745-1-43	C2d	shall	which assess effects on developmental or reproductive endpoints.	6111.041	Federal	40 CFR 132 Appendix D	Ves	Yes, federal GLCPA	yes
3743 1 43	CZU	Silan	In selecting data to be used in the derivation of WVs, the evaluation of acceptable endpoints, as defined in	0111.041	reactar	40 CFR 132 Appendix D	103	res, rederar deer A	yes
3745-1-43	С3	shall	paragraph (C)(1) of this rule, shall be the primary selection criterion.	6111.041	Federal	40 CFR 132 Appendix D	Yes	Yes, federal GLCPA	yes
37 13 1 13		Silan	If more than one TD value is available within a taxonomic class, based on different endpoints of toxicity, that	0111.011	reactar	To C. N. 132 Appendix B	103	res, reacrar secrit	763
			TD which is likely to reflect best potential impacts to wildlife populations through resultant changes in						
3745-1-43	C3a	shall	mortality or fecundity rates shall be used for the calculation of WVs.	6111.041	Federal	40 CFR 132 Appendix D	Yes	Yes, federal GLCPA	yes
			If more than one TD is available within a taxonomic class, based on the same endpoint of toxicity, the TD						,
3745-1-43	C3b	shall	from the most sensitive species shall be used.	6111.041	. Federal	40 CFR 132 Appendix D	Yes	Yes, federal GLCPA	yes
			If more than one TD based on the same endpoint of toxicity is available for a given species, the TD for that						
3745-1-43	C3c	shall	species shall be calculated using the geometric mean of those TDs.	6111.041	. Federal	40 CFR 132 Appendix D	Yes	Yes, federal GLCPA	yes
			In those cases in which a TD is available in units other than milligrams of substance per kilograms per day						-
			(mg/kg/d), the following procedures shall be used to convert the TD to the appropriate units prior to						
3745-1-43	C4	shall	calculating a WV.	6111.041	. Federal	40 CFR 132 Appendix D	Yes	Yes, federal GLCPA	yes
			If the TD is given in milligrams of toxicant per liter of water consumed by the test animals (mg/l), the TD shall						
			be multiplied by the daily average volume of water consumed by the test animals in liters per day (I/d) and						
3745-1-43	C4a	shall	divided by the average weight of the test animals in kilograms (kg).	6111.041	. Federal	40 CFR 132 Appendix D	Yes	Yes, federal GLCPA	yes
			If the TD is given in milligrams of toxicant per kilogram of food consumed by the test animals (mg/kg), the TD						
			shall be multiplied by the average amount of food in kilograms consumed daily by the test animals (kg/d) and						
3745-1-43	C4b	shall	divided by the average weight of the test animals in kilograms (kg).	6111.041	. Federal	40 CFR 132 Appendix D	Yes	Yes, federal GLCPA	yes
			When drinking and feeding rates and body weight are needed to express the TD in milligrams of substance						
3745-1-43	C5a	shall	per kilograms per day (mg/kg/d), they shall be obtained from the study from which the TD was derived.	6111.041	. Federal	40 CFR 132 Appendix D	Yes	Yes, federal GLCPA	yes
			If not already determined, body weight, and drinking and feeding rates shall be converted to a wet weight						
3745-1-43	C5a	shall	basis.	6111.041	Federal	40 CFR 132 Appendix D	Yes	Yes, federal GLCPA	yes
			If the study does not provide the needed values, the values shall be determined from appropriate scientific						
3745-1-43	C5b	shall	literature.	6111.041	Federal	40 CFR 132 Appendix D	Yes	Yes, federal GLCPA	yes
			For studies done with domestic laboratory animals, either the "Registry of Toxic Effects of Chemical						
27.5 4 42	051		Substances" or "Recommendations for and Documentation of Biological Values for Use in Risk Assessment"	6444.644					
3745-1-43	C5b	shall	shall be consulted.	6111.041	. Federal	40 CFR 132 Appendix D	Yes	Yes, federal GLCPA	yes
2745 4 42	CC	-l II	If we dished OATI shall be disided by an UT to estimate a NOATI fee was in destrict NAV	6111 011	Fadaual	40 CED 433 Assessed to D	V	Van farland CLCDA	
3745-1-43	C6	shall	If used, the LOAEL shall be divided by an UF to estimate a NOAEL for use in deriving WVs.  The value of the UF shall not be less than one and shall not exceed ten, depending on the dose-response	6111.041	. Federal	40 CFR 132 Appendix D	Yes	Yes, federal GLCPA	yes
3745-1-43	C6	shall not	curve and any other available data, and is represented by UFL in the equation expressed in paragraph (B)(1) of this rule.	6111.041	Fodoral	40 CFR 132 Appendix D	Voc	Yes, federal GLCPA	V05
3743-1-43	Сб	Strail flot	The value of the UF shall not be less than one and shall not exceed ten, depending on the dose-response	0111.041	. reuerai	40 CFR 132 Appendix D	res	res, rederal GLCPA	yes
			curve and any other available data, and is represented by UFL in the equation expressed in paragraph (B)(1)						
3745-1-43	C6	shall not	of this rule.	6111.041	Federal	40 CFR 132 Appendix D	Voc	Yes, federal GLCPA	yes
3743-1-43	Co	Silali flot	of this fale.	0111.041	lieuerai	40 CI N 132 Appendix D	163	res, rederal decra	yes
3745-1-43	C7	shall	In such cases, the TD shall be divided by an UF to extrapolate from subchronic to chronic levels.	6111.041	Federal	40 CFR 132 Appendix D	Yes	Yes, federal GLCPA	yes
3, 13 1 43	,	Siluii	The value of the UF shall not be less than one and shall not exceed ten, and is represented by UFs in the	0111.041	caciai	10 St N 102 Appelluix D		res, reactar decr	,
3745-1-43	C7	shall	equation expressed in paragraph (B)(1) of this rule.	6111.041	Federal	40 CFR 132 Appendix D	Yes	Yes, federal GLCPA	yes
27.13 1 13	,	511011	The value of the UF shall not be less than one and shall not exceed ten, and is represented by UFs in the	0111.041		STR 132 Appendix D	1.00	. co, rederal deel A	,
3745-1-43	C7	shall	equation expressed in paragraph (B)(1) of this rule.	6111.041	Federal	40 CFR 132 Appendix D	Yes	Yes, federal GLCPA	yes
37.13.1.43		Silan	This factor shall be used when assessing highly bioaccumulative substances where toxicokinetic	0111.041		TO CERT 132 Appendix D	1.23	res, reactar secra	,
3745-1-43	C7	shall	considerations suggest that a bioassay of limited length underestimates chronic effects.	6111.041	Federal	40 CFR 132 Appendix D	Yes	Yes, federal GLCPA	yes
3, 13 1 43	,	Silan	The selection of the UFA shall be based on the available toxicological data and on available data concerning	0111.041		TO C. N. 132 Appendix D	1.23	res, reactar secra	,
			the physicochemical, toxicokinetic, and toxicodynamic properties of the substance in question and the						
3745-1-43	C8a	shall	amount and quality of available data.	6111.041	Federal	40 CFR 132 Appendix D	Yes	Yes, federal GLCPA	yes
3, 13 1 73	1000	Jiluli	amount and quarty or aranapic actu.	0111.041		10 CI II 102 Appelluix D	1.00	1.c3, icaciai deci A	1,03

		1		T	T		T		1
			For the derivation of tier I criteria, a UFAshall not be less than one and shall not exceed one hundred, and						
2745 4 42	601		shall be applied to each of the five representative species, based on existing data and the director's best	6111 011	5 1 1	40 CED 433 A		V	
3745-1-43	C8b	shall not	professional judgement.	6111.041	. Federal	40 CFR 132 Appendix D	Yes	Yes, federal GLCPA	yes
			For the derivation of tier I criteria, a UFAshall not be less than one and shall not exceed one hundred, and						
2745 4 42	001		shall be applied to each of the five representative species, based on existing data and the director's best			10.050.100.1		V 6 1 101004	
3745-1-43	C8b	shall not	professional judgement.	6111.041	Federal	40 CFR 132 Appendix D	Yes	Yes, federal GLCPA	yes
			For the derivation of tier I criteria, a UFAshall not be less than one and shall not exceed one hundred, and						
			shall be applied to each of the five representative species, based on existing data and the director's best						
3745-1-43	C8b	shall	professional judgement.	6111.041	Federal	40 CFR 132 Appendix D	Yes	Yes, federal GLCPA	yes
			For tier I wildlife criteria, the UFA shall be used only for extrapolating toxicity data across species within a						
3745-1-43	C8c	shall	taxonomic class, except as provided in this paragraph.	6111.041	Federal	40 CFR 132 Appendix D	Yes	Yes, federal GLCPA	yes
	_		Application of criteria. The wildlife criterion shall be applied as a thirty-day average concentration outside th						
3745-1-43	Ł	shall	mixing zone.	6111.041	. Federal	40 CFR 132 Appendix D	Yes	Yes, federal GLCPA	yes
27.5 4 42			This rule establishes a methodology which is required when developing tier I wildlife criteria for			10.050.100.1		V 6 1 101004	
3745-1-43	intro	require	bioaccumulative chemicals of concern (BCCs).	6111.041	. Federal	40 CFR 132 Appendix D	Yes	Yes, federal GLCPA	yes
27.5 4 42						10.050.100.1		V 6 1 101004	
3745-1-43	C2	require	A TD value is required for criterion calculation.	6111.041	. Federal	40 CFR 132 Appendix D	Yes	Yes, federal GLCPA	yes
			An acute toxicity level of 0.3 acute units (TUa) shall apply outside the mixing zone to limited resource water,			10.050.422.5			
			warmwater, exceptional warmwater, coldwater, seasonal salmonid, and modified warmwater habitat use	6111.041, 6111.03,		40 CFR 132 Appendix F.			
3745-1-44	A1	shall	designations in accordance with this chapter and the following equation:	6111.12	Federal	6. and 40 CFR 122.44(d)	Yes	Yes, federal	No
			A chronic toxicity level of 1.0 chronic toxic units (TUc) shall apply outside the mixing zone to warmwater,						
			exceptional warmwater, coldwater, seasonal salmonid, and modified warmwater habitat use designations,	6111.041, 6111.03,		40 CFR 132 Appendix F.			
3745-1-44	A2	shall	where:	6111.12	Federal	6. and 40 CFR 122.44(d)	Yes	Yes, federal	No
			For undesignated waters, an acute toxicity level of 0.3 TUa and a chronic toxicty level of 1.0 TUc shall apply	6111.041, 6111.03,		40 CFR 132 Appendix F.			
3745-1-44	С	shall	outside of the mixing zone.	6111.12	Federal	6. and 40 CFR 122.44(d)	Yes	Yes, federal	No
3745-1-44	D	shall	Acute toxicity within the mixing zone shall be regulated by paragraph (B) of 3745-33-07 of the Administrative Code.	e 6111.041, 6111.03, 6111.12	State General Authority		Yes	no	No
			In addition to the definitions in rules 3745-1-02 and 3745-32-01 of the Administrative Code technical words						
3745-1-50	intro	shall	used in rules 3745-1-50 to 3745-1-54 of the Administrative Code shall be defined as follows:	6111.041, 6111.12	State General Authority		Yes	No	No
			In the event a legal instrument is not a viable option based on land ownership or lease agreements where compensatory mitigation has occurred, the applicant must clearly demonstrate operational control to sustai and preserve the compensatory mitigation project after performance standards are met and monitoring	n 6111.041, 6111.12,					
3745-1-50	AA	must	requirements have been fulfilled.	6111.30	State General Authority		Yes	No	No
						Section 401 of the Clear	וו		
			"Applicant" means any person required to submit an application to obtain a section 401 water quality	6111.03, 6111.30,	State and Federal	Water Act (33 U.S.C.			
3745-1-50	D	require	certification or isolated wetland permit from the Ohio environmental protection agency (Ohio EPA).	6111.02-6111.028	Required	§1251-1387)	Yes	Yes	No
3745-1-50	F	must	"Avoidance" is the first step in the alternatives analysis and means that the applicant must demonstrate that alternatives that fulfill the basic project purpose and have less or no impacts to the wetland are not practicable, so long as the alternative does not have other significant adverse environmental consequences.		State General Authority		Yes	No	No
57 <del>-3</del> 1-30	<u>'</u>	must	The specific areas within the geographical area currently occupied by a species, at the time it is listed in	0111.071, 0111.12	State General Authority	<del> </del>	1.03	140	110
			accordance with the Endangered Species Act on which are found those physical or biological features						
			essential to the conservation of the species, and that may require special management considerations or		State General Authority	Endangered Species Act			
3745-1-50	11	require	protection.	6111.041, 6111.12	and Federal Required	(16 U.S.C. §1532(5)(A))		Yes	No
2.13 1 30	, , <u>, , , , , , , , , , , , , , , , , </u>	require	process	0222.0 (2) 0222.22	aa reactar nequired	(_0 0.0.0. 31002(0)(N))	1.55		110
3745-1-50	k	shall	Cumulative impacts shall be considered on a watershed basis.	6111.041, 6111.12	State General Authority		Yes	No	No
5 2 50		5311	The hydrology necessary to support the biological and physical characteristics naturally present in wetlands		- I I I I I I I I I I I I I I I I I I I		1 2		1.0
3745-1-51	A	shall	shall be protected to prevent significant adverse impacts on any of the following:		State General Authority		Yes	No	No
5. 15 1 51	,,	Silan	ones, se processed to prevent significant duverse impuess on any or the following.	0211.0 11, 0111.12	State General Authority				110
3745-1-51	В	shall	Water quality necessary to support existing habitats, and the populations of wetland flora and fauna shall be protected to prevent significant adverse impacts on any of the following:		State General Authority		Yes	No	No
	•	•	-						•

			Water quality shall be protected to prevent conditions conducive to the establishment or proliferation of					
2745 1 51	D.C	ah a II		C111 041 C111 12	State Consul Authority	Vas	No	No
3745-1-51	B6	shall	nuisance organisms, as that term is defined in rule 3745-1-50 of the Administrative Code.	6111.041, 6111.12	State General Authority	Yes	No	No
2745 4 54	6	ala a II va a A	Conditions shall not occur that will have a significant adverse impact on the ability of the wetland to be used	C111 011 C111 12	State Caranal Authority	V	NI -	NI -
3745-1-51	C	shall not	for wetland-dependent recreational opportunities in or on the water.	6111.041, 6111.12	State General Authority	Yes	No	No
			1. 1897 1. 18 18 18 18 18 18 18 18 18 18 18 18 18					
			In addition to the criteria listed in rule 3745-1-04 of the Administrative Code, to every extent practicable and					
			possible as determined by the director, and except as authorized in accordance with rule 3745-1-54 of the					
3745-1-51	intro	shall	Administrative Code, the following narrative criteria shall apply to wetlands.	6111.041, 6111.12	State General Authority	Yes	No	No
			For the purposes of establishing waste water discharge permit limits for waste water discharges to wetlands					
			pursuant to Chapter 6111. of the Revised Code, numeric chemical criteria associated with the "warmwater					
			aquatic life habitat" use designation, as specified in this chapter of the Administrative Code, shall apply at the					
3745-1-52	intro	shall	"end of pipe".	6111.041, 6111.12	State General Authority	Yes	No	No
			The wetland designated use shall be maintained and protected such that degradation of surface waters					
			through direct, indirect, or cumulative impacts does not result in the net loss of wetland acreage or functions	6111.041. 6111.12.				
3745-1-54	B1	shall	or services in accordance with paragraphs (D), (E), and (F) of this rule.	6111.30	State General Authority	Yes	No	No
			Each wetland shall be assigned a category by Ohio EPA for the purposes of reviews of projects pursuant to	6111.041, 6111.12,				1
3745-1-54	B2a	shall	this rule.	6111.30	State General Authority	Yes	No	Yes
o, .o _ o .	520	5.14.1		0111.00	State General Hambers,			
			In making determinations regarding the lowering of water quality in wetlands which contain critical habitat					
			for threatened or endangered species, or either the permanent or seasonal presence of a threatened or					
			endangered species, the director shall consider the anticipated impact of the proposed lowering of water	6111.041, 6111.12,				
3745-1-54	B4a	shall	quality on the threatened or endangered species.	6111.30	State General Authority	Yes	No	Yes
			To assist the director in making this determination, an applicant shall provide Ohio EPA written comments					
			from both the Ohio department of natural resources and the					
			U.S. fish and wildlife service, regarding threatened and endangered species, including the presence or					
			absence of critical habitat, for all wetlands under review, unless another entity has been designated by the					
			aforementioned agencies to make this determination. In that case, the designated entity shall provide the	6111.041, 6111.12,				
3745-1-54	B4b	shall	required written comments.	6111.30	State General Authority	Yes	No	No
			To assist the director in making this determination, an applicant shall provide Ohio EPA written comments					
			from both the Ohio department of natural resources and the					
			U.S. fish and wildlife service, regarding threatened and endangered species, including the presence or					
			absence of critical habitat, for all wetlands under review, unless another entity has been designated by the					
			aforementioned agencies to make this determination. In that case, the designated entity shall provide the	6111.041, 6111.12,				
3745-1-54	B4b	shall	required written comments.	6111.30	State General Authority	Yes	No	No
			To assist the director in making this determination, an applicant shall provide Ohio EPA written comments		<i>'</i>			
			from both the Ohio department of natural resources and the					
			U.S. fish and wildlife service, regarding threatened and endangered species, including the presence or					
			absence of critical habitat, for all wetlands under review, unless another entity has been designated by the					
			aforementioned agencies to make this determination. In that case, the designated entity shall provide the	6111.041, 6111.12,				
3745-1-54	B4b	require	required written comments.	6111.30	State General Authority	Yes	No	No
3743 1 34	D40	require	When reviewing applications for discharges to wetlands which have occurred without prior authorization, the		State deficial Authority	163	110	NO
			fact that the discharge has already occurred shall have no bearing on the decision of whether to allow lower	6111.041, 6111.12,				
2745 1 54	D.C.	chall	water quality.	6111.30	State General Authority	Vos	No	No
3745-1-54	B6c	shall	water quanty.		State General Authority	Yes	No	No
2745 4 54	DC-	-111	Okia FDA akall maniannakka immaaka kaasad an maa disakamaa asa diskisara	6111.041, 6111.12,	Charles Community of Australia	V	NI -	V
3745-1-54	B6c	shall	Ohio EPA shall review the impacts based on pre-discharge conditions.	6111.30	State General Authority	Yes	No	Yes
			The director may require compensatory mitigation, if approved in accordance with other provisions of this					
			rule, at the same mitigation ratios as required for impacts to category 3 wetlands, as indicated in table E-1 of	6111.041, 6111.12,				
3745-1-54	B6d	require	this rule.	6111.30	State General Authority	Yes	No	No
			The director may require compensatory mitigation, if approved in accordance with other provisions of this					
			rule, at the same mitigation ratios as required for impacts to category 3 wetlands, as indicated in table E-1 of	6111.041, 6111.12,				
3745-1-54	B6d	require	this rule.	6111.30	State General Authority	Yes	No	No
37 13 1 3 1		1	Requests to undertake activities which will result in short-term disturbances to water quality in wetlands					
37.13.1.3.1					1		i	
57.15 1 51			which are designated as outstanding national resource waters shall be evaluated in accordance with rule	6111.041, 6111.12,				
3745-1-54	C4	shall	which are designated as outstanding national resource waters shall be evaluated in accordance with rule 3745-1-05 of the Administrative Code.	6111.041, 6111.12, 6111.30	State General Authority	Yes	No	No
	C4	shall			State General Authority	Yes	No	No
	C4	shall		6111.30	State General Authority	Yes	No	No

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			The wetland designated use shall be maintained and protected for wetlands assigned to category 2, and no	6444 044 6444 42				
2745 4 54	541		lowering of water quality shall be allowed, unless the applicant demonstrates to the satisfaction of the	6111.041, 6111.12,				
3745-1-54	D1b	shall	director all of the following:	6111.30	State General Authority	Yes	No	No
			The wetland designated use shall be maintained and protected for wetlands assigned to category 2, and no					
2745 4 54	541		lowering of water quality shall be allowed, unless the applicant demonstrates to the satisfaction of the	6111.041, 6111.12,				
3745-1-54	D1b	shall	director all of the following:	6111.30	State General Authority	Yes	No	No
			For category 2 wetlands, the applicant shall minimize all potential adverse impacts foreseeably caused by the					
3745-1-54	D1bii	shall	project and each application shall include an evaluation of all of the following:	6111.30	State General Authority	Yes	No	No
			For category 2 wetlands, the applicant shall minimize all potential adverse impacts foreseeably caused by th					
3745-1-54	D1bii	shall	project and each application shall include an evaluation of all of the following:	6111.30	State General Authority	Yes	No	No
			The wetland designated use shall be maintained and protected in wetlands assigned to category 3, and no					
			lowering of water quality shall be allowed, unless the applicant demonstrates to the satisfaction of the	6111.041, 6111.12,				
3745-1-54	D1c	shall	director all of the following:	6111.30	State General Authority	Yes	No	No
			The wetland designated use shall be maintained and protected in wetlands assigned to category 3, and no					
			lowering of water quality shall be allowed, unless the applicant demonstrates to the satisfaction of the	6111.041, 6111.12,				
3745-1-54	D1c	shall	director all of the following:	6111.30	State General Authority	Yes	No	No
			For category 3 wetlands, the applicant shall minimize all potential adverse impacts forseeably caused by the	6111.041, 6111.12,				
3745-1-54	D1cii	shall	project and each application shall include an evaluation of all of the following	6111.30	State General Authority	Yes	No	No
			For category 3 wetlands, the applicant shall minimize all potential adverse impacts forseeably caused by the	6111.041, 6111.12,				
3745-1-54	D1cii	shall	project and each application shall include an evaluation of all of the following	6111.30	State General Authority	Yes	No	No
3743 1 34	DICH	Silan	project and each apprecation shall include an evaluation of all of the following	0111.50	State deficial Authority	163	110	110
			Appropriate storm water control measures shall be installed to ensure that peak					
			post-development rates of surface water runoff from the impacted wetland site do not exceed the peak pre	6111.041, 6111.12,				
3745-1-54	D2	shall	development rates of runoff from the on-site wetlands, for all categories of wetlands.	6111.30	State General Authority	Yes	No	No
3743-1-34	DZ	Silali	Water quality improvement measures shall be incorporated into the design of the storm water control	6111.041, 6111.12,	State General Authority	i les	INO	NO
3745-1-54	D2	shall	measures to the maximum extent practicable.	6111.30	State General Authority	Yes	No	No
3743 1 34	DZ	Silan	incasures to the maximum extent practicable.	6111.041, 6111.12,	State deficial Authority	163	140	110
3745-1-54	E1	shall	The compensatory mitigation type and location shall be provided in the following preferred order:	6111.30	State General Authority	Yes	No	No
3743 1 34	LI	Silan	Deviations from the preferred order established in paragraph (E)(1) of this rule require a demonstration of a		State deficial Authority	163	110	140
3745-1-54	E2	require	of the following:	6111.30	State General Authority	Yes	No	No
3743 1 34	LZ	require	of the following.	0111.50	State deficial Authority	163	140	140
				6111.041, 6111.12,				
3745-1-54	E3	shall	Compensatory mitigation shall be in-kind unless there is a compelling ecological reason that it should not be		State General Authority	Yes	No	No
3743 1 34	LJ	Silan	Reestablishment (restoration) or establishment (creation) of wetlands as the sole component of	. 0111.50	State deficial Authority	163	140	140
			compensatory mitigation shall be in accordance with the ratios and other provisions in paragraph (E) of this	6111 041 6111 12				
3745-1-54	F1	shall	rule.	6111.30	State General Authority	Yes	No	No
3743 1 34	11	Silan	The applicant must demonstrate that the compensatory mitigation site will be protected long term and that		State deficial Authority	163	110	110
			appropriate management measures are, or will be, in place to restrict harmful activities that may jeopardize					
3745-1-54	F2	must	the compensatory mitigation wetland.	6111.30	State General Authority	Yes	No	No
3743-1-34	12	illust	the compensatory mitigation wetiand.	0111.50	State General Authority	i es	INO	INO
			Compensatory mitigation shall be in the form of wetland reestablishment (restoration) unless it can be	6111.041, 6111.12,				
3745-1-54	F3	shall	demonstrated by the applicant that wetland reestablishment (restoration) is impracticable.	6111.041, 6111.12,	State General Authority	Yes	No	No
3/43/1/34	13	Jilali	demonstrated by the applicant that wetiand reestablishing it (restoration) is impracticable.	0111.30	State General Authority	163	INO	140
			Reestablishment (restoration) or establishment (creation) of wetlands as compensatory mitigation shall	6111.041, 6111.12,				
3745-1-54	F4	shall	replace the impacted wetland with an equivalent or higher quality wetland.	6111.30	State General Authority	Yes	No	No
			In determining the acceptability of wetlands rehabilitation (enhancement) as compensatory mitigation, the					
			director shall consider the extent to which the rehabilitation (enhancement) activities will improve or repair	6111.041, 6111.12,				
3745-1-54	F5a	shall	the existing or natural functions and services of the wetland.	6111.30	State General Authority	Yes	No	Yes
			When wetland rehabilitation (enhancement) is a component of acceptable compensatory mitigation,					
			wetlands reestablishment (restoration) or establishment (creation) must also be a component of the					
			compensatory mitigation and shall result in at least one acre of reestablished (restored) or established	6111.041, 6111.12,				
3745-1-54	F5c	shall	(created) wetland for each acre of wetland that is impacted.	6111.30	State General Authority	Yes	No	No
•	•		• •				1	II.

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			When wetland rehabilitation (enhancement) is a component of acceptable compensatory mitigation,					
			wetlands reestablishment (restoration) or establishment (creation) must also be a component of the	C111 041 C111 12				
3745-1-54	F5c	must	compensatory mitigation and shall result in at least one acre of reestablished (restored) or established (created) wetland for each acre of wetland that is impacted.	6111.041, 6111.12, 6111.30	State General Authority	Yes	No	No
3743-1-34	FJC	illust	(created) wettand for each acre of wettand that is impacted.	0111.50	State General Authority	res	INO	INO
			Wetland rehabilitation (enhancement) must occur at a rate of at least two acres of wetland rehabilitation					
			(enhancement) for every remaining acre of the compensatory wetland mitigation requirement. The wetland	6111.041, 6111.12,				
3745-1-54	F5c	must	rehabilitation (enhancement) requirement can be calculated using the following equation:	6111.30	State General Authority	Yes	No	No
				6111.041, 6111.12,				
3745-1-54	F5c	require	E = minimum number of acres of wetlands required to be enhanced.	6111.30	State General Authority	Yes	No	No
			For example, if the required mitigation ratio for compensatory mitigation of a category 3 forested wetland is					
			3:1 for an impact to two acres of wetland, an acceptable mitigation plan may include at least two acres of	1) (111 041 (111 12				
3745-1-54	F5c	roquiro	reestablished (restored) or established (created) wetlands and at least eight acres of rehabilitated (enhanced wetlands.	6111.30	State General Authority	Voc	No	No
3743-1-34	FJC	require	wetianus.	0111.50	State General Authority	Yes	INO	INO
			The wetland to be preserved for compensatory mitigation purposes shall be deeded to a responsible party for	or 6111.041. 6111.12.				
3745-1-54	F6aiii	shall	management or rehabilitation (enhancement) in accordance with a plan approved by the director.	6111.30	State General Authority	Yes	No	No
					,			
			Long term protection of the wetland to be preserved for compensatory mitigation purposes shall include	6111.041, 6111.12,				
3745-1-54	F6aiv	shall	upland buffers and generally occur prior to any filling of wetlands at the project site.	6111.30	State General Authority	Yes	No	No
			When preservation is a component of acceptable compensatory mitigation, wetlands establishment					
			(restoration) or establishment (creation) must also be a component of the compensatory mitigation and sha result in at least one acre of reestablished (restored) or established (created) wetland for each acre of	11				
			wetland that is impacted to ensure no net loss of wetland acreage or function, unless the director determine	95				
			that reestablishment (restoration) or establishment (creation) need not be a component of compensatory	6111.041, 6111.12,				
3745-1-54	F6b	shall	mitigation based on significant ecological reasons.	6111.30	State General Authority	Yes	No	No
					,			
			When preservation is a component of acceptable compensatory mitigation, wetlands establishment					
			(restoration) or establishment (creation) must also be a component of the compensatory mitigation and sha	II				
			result in at least one acre of reestablished (restored) or established (created) wetland for each acre of					
			wetland that is impacted to ensure no net loss of wetland acreage or function, unless the director determine					
			that reestablishment (restoration) or establishment (creation) need not be a component of compensatory	6111.041, 6111.12,				
3745-1-54	F6b	must	mitigation based on significant ecological reasons.	6111.30	State General Authority	Yes	No	No
3745-1-54	F6b	must	Wetland preservation must occur at a rate of two acres of preservation for every remaining acre of the compensatory wetland mitigation requirement.	6111.041, 6111.12, 6111.30	State General Authority	Yes	No	No
3743-1-34	FOD	illust	compensatory wetiand miligation requirement.	6111.041, 6111.12,	State General Authority	res	INO	INO
3745-1-54	F6b	require	P = minimum number of acres of wetlands required to be preserved	6111.30	State General Authority	Yes	No	No
			For example, if the required mitigation ratio for compensatory mitigation of a category 3 forested wetland is					
			3:1 for an impact to two acres of wetland, an acceptable compensatory mitigation plan may include at least	6111.041, 6111.12,				
3745-1-54	F6b	require	two acres of reestablished (restored) wetlands and at least eight acres of preserved wetlands.	6111.30	State General Authority	Yes	No	No
			When upland buffers are a component of acceptable compensatory mitigation, credit shall not exceed more					
3745-1-54	F7d	shall not	than 0.5 units of the required compensatory mitigation ratio, as identified in table E-1 of this rule.	6111.30	State General Authority	Yes	No	No
			When upland buffers are a component of acceptable compensatory mitigation, credit shall not exceed more	6111.041, 6111.12,				
3745-1-54	F7d	require	than 0.5 units of the required compensatory mitigation ratio, as identified in table E-1 of this rule.	6111.041, 6111.12,	State General Authority	Yes	No	No
3773-1-34	174	require	than 6.5 and 60 the required compensatory midgadoff ado, as identified in table 1-1 of this fule.	0111.50	State General Authority	163	140	IVO
			The director shall require the permittee to conduct ecological monitoring of the compensatory mitigation	6111.041, 6111.12,				
3745-1-54	F8	shall	project and submit annual reports detailing the results of the ecological monitoring.	6111.041, 6111.12,	State General Authority	Yes	No	Yes
3773-1-04	10	Silali	project and submit annual reports detailing the results of the ecological monitoring.	0111.50	State General Authority	163	INO	163
			The disease shall sequire the sequentity of a sequential sequentia	C111 044 C444 43				
3745-1-54	Eδ	require	The director shall require the permittee to conduct ecological monitoring of the compensatory mitigation project and submit annual reports detailing the results of the ecological monitoring.	6111.041, 6111.12, 6111.30	State General Authority	Vac	No	Vac
3/43-1-34	F8	require	project and submit annual reports detailing the results of the ecological monitoring.	0111.30	State General Authority	Yes	No	Yes
			Ecological monitoring shall be conducted for a period of at least five years for non-forested wetlands and at	6111.041, 6111.12,				
3745-1-54	F8b	shall	least ten years for forested wetlands following construction of the compensatory mitigation.	6111.30	State General Authority	Yes	No	No
	1. 55	(Silan	1-2-2-1-2- Jean-10. 10. 2012 Household Informing control of the compensatory integration.	1	- sace concluir admoney	1.65	1	1,,,

			Upon written request, the director may waive ecological monitoring requirements for the full five or ten					
			years if it is demonstrated to the satisfaction of the director that the compensatory mitigation wetland is	6111.041, 6111.12,				
3745-1-54	F8bi	require	meeting required goals or targets.	6111.30	State General Authority	Yes	No	No
				6111.041, 6111.12,				
3745-1-54	F8bii	shall	Submittal of annual reports shall continue during the extension.	6111.30	State General Authority	Yes	No	No
			At the end of five years or ten years, or seven years or twelve years if an extension is approved,					
			compensatory mitigation that does not meet required goals or targets shall be rectified through the purchase	2				
			of mitigation credits at a wetland mitigation bank or through an in-lieu-fee program, when available, in	6111.041, 6111.12,				
3745-1-54	F8biii	shall	accordance with paragraph (E) of this rule.	6111.30	State General Authority	Yes	No	No
3743 1 34	100111	Silan	decordance with paragraph (2) or this fale.	0111.50	State deficial Additionty	103	110	140
			At the end of five years or ten years, or seven years or twelve years if an extension is approved,					
			compensatory mitigation that does not meet required goals or targets shall be rectified through the purchase					
			of mitigation credits at a wetland mitigation bank or through an in-lieu-fee program, when available, in	6111.041, 6111.12,				
3745-1-54	F8biii	require	accordance with paragraph (E) of this rule.	6111.30	State General Authority	Yes	No	No
			The director may consider reductions in the required compensatory mitigation based upon the ecological	6111.041, 6111.12,				
3745-1-54	F8biii	require	status of the original compensatory mitigation project.	6111.30	State General Authority	Yes	No	No
			The following thirty-seven groupings of cataloging units from the hydrologic unit map of Ohio, U.S. geologica					
3745-1-54	G	shall	survey, 1988, shall be the watersheds for the purposes of location of compensatory mitigation :	6111.30	State General Authority	Yes	No	No
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·	ine office registrature total	Ollio LFA tilat we t	can keep the modeling procedures as a guidance document, but said that if we ever changed the pro				Removal would requir	re	
					Required by State or		Fadavally delegated	· ·	
0460 1. "		Burn dates	Description of the second of t	Contract Contract	Fed Law or general	165-1	Federally delegated	state or federal law	Requirement on the
OAC Rule #	Paragraph	Restriction	Description/Quotation	Statutory Authority	authority?	If Fed, crosswalk?	program?	change?	agency or director?
					5117105 0114 0750				
					ENTIRE CHAPTER =				
					adopted because of the				This entire chapter
					promulgation of 40 CFR				lays out how OEPA
					part 132 (entire				calculates WLAs for
3745-2-02	В	shall	Technical words used in this chapter shall be defined as listed below.	6111.03, 6111.12	chapter).		yes	no	permits.
			The mixing zone shall be considered a place where wastewater and receiving water mix and not as						
3745-2-02	B40	shall	a place where wastes are treated.	6111.03, 6111.12	Federal	40 CFR 132	yes	yes	yes
			A pollution prevention alternatives analysis shall demonstrate a good faith effort by the discharge	r					
			to review equipment or technology modifications, process or procedure modifications,						
			reformulation or redesign of products, substitution of raw materials and improvements to						
3745-2-02	B49	shall	housekeeping.	6111.03, 6111.12	Federal	40 CFR 132, part E	yes	yes	yes
3745-2-02	B58	shall	Aquatic species designated as representative shall satisfy one or more of the following:	6111.03, 6111.12	general authority		yes	no	yes
			All storm water discharges associated with industrial activity that are mixed with process						
3745-2-02	B69	shall not	wastewater shall not be considered a wet weather point source.	6111.03, 6111.12	Federal	40 CFR 132.2	yes	yes	yes
			Ambient screening values mean numbers that estimate the concentration of a pollutant in a						
			receiving water required to protect humans from non-carcinogenic health effects and aquatic life						
3745-2-02	В7	require	from acute and chronic effects.	6111.03, 6111.12	Federal	40 CFR 132, Part F	yes	yes	yes
		·							
			Federal regulations at 40 C.F.R. 122.21(e)(3) and 122.44(i)(1)(iv) require NPDES applicants and						
			permittees to use sufficiently sensitive test methods when quantifying the presence of pollutants	in		40 CFR 122.21 and			
3745-2-02	B8 Comment	require	a discharge as part of an application and for the analysis of pollutants under the permit.	6111.03, 6111.12	Federal	122.44	yes	yes	yes
			G G				,	7	
			Applicants and permittees are required to use analytical methods that are capable of detecting an	d					
			measuring the pollutants at, or below, the respective water quality criteria or permit limits. The			40 CFR 122.21 and			
3745-2-02	B8 Comment	require	regulations address when a method is sufficiently sensitive.	6111.03, 6111.12	Federal	122.44	yes	yes	yes
37 13 2 02	Do comment	require	The discharger is not required to implement a pollution prevention alternative if it is not technical	,	reactar	40 CFR 132, Appendix E	763	700	700
3745-2-02	B49	require	or economically feasible.	6111.03, 6111.12	Federal	and F	yes	yes	yes
3743 2 02	D-13	require	"Group two" pollutants have little potential based on water quality data to cause or contribute to		reactur	unu i	yes	yes	yes
			water quality excursion; permit requirements may not be warranted based solely on water quality						
3745-2-02	B55b	require	considerations.	6111.03, 6111.12			yes		yes
3743 2 02	0330	require	considerations.	0111.05, 0111.12			yc3		yes
3745-2-02	B55c	require	permit requirements may not be warranted based solely on water quality considerations.	6111.03, 6111.12			yes		yes
37 13 2 02	2330	require	permit monitoring requirements are generally warranted based solely on water quality	0111.00, 0111.12			700		763
3745-2-02	B55d	require	considerations.	6111.03, 6111.12			yes		yes
3743 2 02	D330	require	Species that are representative of the ecological, behavioral, and physiological requirements and	0111.05, 0111.12			yes		yes
			characteristics of species determined in paragraphs (B)(58)(a) to (B)(58)(f) of this rule, but which						
3745-2-02	B58g	require	themselves may not be representative.	6111.03, 6111.12			yes		yes
3743-2-02	роод	require	discharges of storm water and sanitary wastewaters (domestic, commercial, and industrial) from a				yes		yes
			combined sewer overflow; or any other storm water discharge for which a permit is required under						
3745-2-02	B69	roquiro	section 402 (p) of the act.	6111.03, 6111.12	Federal	40 CFR 132.2	voc	voc	voc
3743-2-02	D09	require	Section 402 (p) or the act.	0111.05, 0111.12	reuerai	40 CFR 132.2	yes	yes	yes
2745 2 02	B55b	maynat	permit requirements may not be warranted based solely on water quality considerations.	6111 02 6111 12			wos.	NO.	
3745-2-02	8220	may not	permit requirements may not be warranted based solely on water quality considerations.	6111.03, 6111.12			yes	yes	
3745-2-02	B55c	may not	normit requirements may not be warranted based cololy an water swelity considerations	6111 02 6111 12			voc	vos	
3745-2-02	BOOK	may not	permit requirements may not be warranted based solely on water quality considerations.	6111.03, 6111.12			yes	yes	
			Species that are representative of the ecological, behavioral, and physiological requirements and						
2745 2.02	DE0-		characteristics of species determined in paragraphs (B)(58)(a) to (B)(58)(f) of this rule, but which	C111 02 C111 12					
3745-2-02	B58g	may not	themselves may not be representative.	6111.03, 6111.12		40 CED 400 44/ " + 10	yes	yes	
		<b>.</b>				40 CFR 122.44(d), 40			
3745-2-04	Α	shall	Ohio EPA shall develop wasteload allocations (WLAs) for pollutants if any of the following apply:	6111.03, 6111.12	Federal, State, General	CFR 132 Appendix F	yes	yes	yes
						40 CFR 122.44(d), 40			
3745-2-04	С	shall	Ohio EPA shall evaluate available data to determine applicable numeric criteria.	6111.03, 6111.12	Federal, State	CFR 132 Appendix F	yes	yes	yes
						40 CFR 122.44(d), 40			
3745-2-04	1.0	shall	Ohio EPA shall also take the following actions:	6111.03, 6111.12	Federal, State, General	CFR 132 Appendix F	ves	yes	yes

			<del>_</del>						
			Ohio EPA shall use all available and relevant information to estimate ambient screening values that						
			will protect humans from health effects other than cancer, and aquatic life from acute and chronic			40 CFR 122.44(d), 40			
3745-2-04	C1	shall	effects.	6111.03, 6111.12	Federal, State	CFR 132 Appendix F	yes	yes	yes
			Ohio EPA shall develop WLAs based upon the ambient screening values that are consistent with			40 CFR 122.44(d), 40			
3745-2-04	C2	shall	rule 3745-2-05 of the Administrative Code.	6111.03, 6111.12	Federal, State, General	CFR 132 Appendix F	yes	yes	yes
			Ohio EPA shall use the WLAs based on ambient screening values to determine if data must be			40 CFR 122.44(d), 40			
3745-2-04	C3	shall	generated to develop numeric criteria for that pollutant.	6111.03, 6111.12	Federal, State	CFR 132 Appendix F	yes	yes	yes
						40 CFR 122.44(d), 40			
3745-2-04	C4	shall not	Ohio EPA shall not use the WLAs based on ambient screening values to develop WQBELs.	6111.03, 6111.12	Federal, State	CFR 132 Appendix F	yes	yes	yes
			Ohio EPA shall determine the maximum PEQ and the average PEQ to meet the following			40 CFR 122.44(d), 40			
3745-2-04	D	shall	requirements, unless otherwise exempt from determination by paragraph (B) of this rule.	6111.03, 6111.12	Federal, State	CFR 132	yes	yes	
			The discharge-specific effluent monitoring data shall be selected to best represent the magnitude						
			and variability of that pollutant in the discharge as projected for the applicable period of the			40 CFR 122.44(d), 40			
3745-2-04	D1	shall	permit.	6111.03, 6111.12	Federal, State, General	CFR 132 Appendix F	yes	yes	yes
			The most recent five years of data shall be used unless an alternate period of record better			40 CFR 122.44(d), 40			
3745-2-04	D1a	shall	represents the projected effluent quality.	6111.03, 6111.12	Federal, State, General	CFR 132 Appendix F	yes	yes	yes
						40 CFR 122.44(d), 40			
3745-2-04	D1c	shall	The data shall be based on independent grab or twenty-four hour composite effluent samples.	6111.03, 6111.12	Federal, State, General	CFR 132 Appendix F	yes	yes	yes
			The maximum PEQ shall be determined as the ninety-fifth percentile of the projected population of	of					
			daily values of the discharge-specific effluent monitoring data using a scientifically defensible						
			statistical method that accounts for and captures the long-term daily variability of the effluent						
			quality, accounts for limitations associated with sparse data sets, and assumes a log-normal						
			distribution of the discharge-specific effluent data (unless another distribution can be			40 CFR 122.44(d), 40			
3745-2-04	D2	shall	demonstrated to be more appropriate).	6111.03, 6111.12	Federal, State, General	CFR 132 Appendix F	yes	yes	yes
			The average PEQ shall be determined as the ninety-fifth percentile of the projected population of						
			monthly averages of the discharge-specific effluent monitoring data using a scientifically defensible						
			statistical method that accounts for and captures the long-term variability of the monthly average	!					
			effluent quality, accounts for limitations associated with sparse data sets, and assumes a log-						
			normal distribution of the discharge-specific effluent data (unless another distribution can be			40 CFR 122.44(d), 40			
3745-2-04	D3	shall	demonstrated to be more appropriate).	6111.03, 6111.12	Federal, State, General	CFR 132 Appendix F	yes	yes	yes
			For numeric criteria that vary with water hardness, Ohio EPA shall calculate the applicable numeri			40 CFR 122.44(d), 40			
3745-2-04	E1	shall	criteria based on a water hardness concentration that meets the following:	6111.03, 6111.12	Federal, State, General	CFR 132 Appendix F	yes	yes	yes
						40 CFR 122.44(d), 40			
3745-2-04	E1ai	shall	The median of the water hardness values shall be used if ten or more values are available.	6111.03, 6111.12	Federal, State, General	CFR 132 Appendix F	yes	yes	yes
						40 CFR 122.44(d), 40			
3745-2-04	E1aii	shall	The arithmetic mean of the water hardness values shall be used if less than ten values are available	le. 6111.03, 6111.12	Federal, State, General	CFR 132 Appendix F	yes	yes	yes
			If water hardness data are not available that represent the concentration in the receiving water						
			downstream of the mixing zone under the applicable design conditions, the annual twenty-fifth			40 CED 400 444 " + 5			
			percentile of water hardness data considered by Ohio EPA to be representative of the natural			40 CFR 122.44(d), 40			
3745-2-04	E1b	shall	background conditions for that receiving water shall be used.	6111.03, 6111.12	Federal, State, General	CFR 132 Appendix F	yes	yes	yes
			For numeric criteria that vary with pH (other than for ammonia), Ohio EPA shall calculate the			40 CFR 122.44(d), 40			
3745-2-04	E2	shall	applicable numeric criteria based on a pH that meets the following:	6111.03, 6111.12	Federal, State, General	CFR 132 Appendix F	yes	yes	yes
			If pH data are available that represent the long term daily variation in the receiving water			40 CED 400 444 " + 5			
2745 2 24	F3 :	.111	downstream of the mixing zone under the applicable design conditions, the median of the pH	C111 C2 C111 12	Fadamal Class C	40 CFR 122.44(d), 40			
3745-2-04	E2a	shall	values shall be used.	6111.03, 6111.12	Federal, State, General	CFR 132 Appendix F	yes	yes	yes
			If pH data are not available that represent the long term daily variation in the receiving water						
			downstream of the mixing zone under the applicable design conditions, the annual twenty-fifth						
			percentile or seventy-fifth percentile (whichever value results in the more stringent numeric			40 CED 422 44/31 42			
2745 2 04	F21		criterion) of pH data considered by Ohio EPA to be representative of the natural background	6444 02 6444 42	5 1 1 1 C 1 C 1	40 CFR 122.44(d), 40			
3745-2-04	E2b	shall	conditions for that receiving water shall be used.	6111.03, 6111.12	Federal, State, General	CFR 132 Appendix F	yes	yes	yes
2745 2 2 5	50				5 1 10/15	40.050.400.534.11			
3745-2-04	E3	shall	Ohio EPA shall determine numeric criteria for two seasonal periods, summer and winter.	6111.03, 6111.12	Federal, State, General	40 CFR 122.44(d)	yes	yes	yes
2745 2 24	F0		Ohio EPA shall calculate numeric criteria for ammonia based on temperature and pH values that	6444 69 6441 15	E. L. of G. C. S.	40 CED 400 444 "			
3745-2-04	E3	shall	meet the following:	6111.03, 6111.12	Federal, State, General	40 CFR 122.44(d)	yes	yes	yes

				1	1	1			
3745-2-04	E3a	shall	Temperature and pH shall be based on data collected during the following periods	6111.03, 6111.12	Federal, State, General	40 CFR 122.44(d)	yes	yes	yes
			For each applicable season, temperature and pH statistics shall be determined based on the	,	, ,		,	,	,
			available ambient data that best represents the long-term daily variation in the receiving water						
3745-2-04	E3b	shall	downstream of the mixing zone.	6111.03, 6111.12	Federal, State, General	40 CFR 122.44(d)	yes	yes	yes
2745 2 24	501			5444 00 5444 40	5 1 10 10	40.050.400.44/1)			
3745-2-04	E3b	shall	The following statistics shall be used to determine the applicable ammonia criteria:	6111.03, 6111.12	Federal, State, General	40 CFR 122.44(d)	yes	yes	yes
			Ohio EPA shall consider the numeric water quality criteria applicable to the receiving water to be						
			maintained if the allowable duration and frequency of exceedance recommended in the U.S. EPA			40 CFR 122.44(d), 40			
3745-2-04	E5	shall	"Technical Support Document for Water Quality-based Toxics Control" are met.	6111.03, 6111.12	Federal, State, General	CFR 132 Appendix F	yes	yes	yes
				,		40 CFR 122.44(d), 40			,
			Ohio EPA shall determine the appropriate criteria applicable to determining WLAs using the			CFR 122.45(c), 40 CFR			
3745-2-04	F	shall	following conditions:	6111.03, 6111.12	Federal, General	132 Appendix F	yes	yes	yes
			Except for hexavalent chromium, Ohio EPA shall convert the dissolved aquatic life criteria to						
			effective total recoverable criteria by multiplying the applicable dissolved criteria by the dissolved			40 CFR 122.44(d), 40			
2745 2 24			metal translator (DMT) applicable to that metal, receiving water, and discharge, as defined in	5444 00 5444 40	5 1 10 1	CFR 122.45(c), 40 CFR			
3745-2-04	F1	shall	paragraphs (F)(4) to (F)(8) of this rule.	6111.03, 6111.12	Federal, General	132 Appendix F	yes	yes	yes
			In the absence of an applicable DMT, Ohio EPA shall apply the total recoverable aquatic life criteria to determine WLAs for that metal as provided in Chapter 3745-1 of the Administrative Code and	1		40 CFR 122.44(d), 40 CFR			
3745-2-04	F2	shall	determined in accordance with paragraph (E) of this rule.	6111.03, 6111.12	Federal, General	CFR 122.45(c), 40 CFR 132 Appendix F	ves	yes	yes
3/73 Z-U4	12	Silail	determined in accordance with paragraph (L) of this fule.	0111.03, 0111.12	r cucrai, General	40 CFR 122.44(d), 40	yes	усз	yes
			For hexavalent chromium, Ohio EPA shall apply the dissolved aquatic life criteria to develop and			CFR 122.45(c), 40 CFR			
3745-2-04	F3	shall	express WLAs in dissolved form.	6111.03, 6111.12	Federal, General	132 Appendix F	ves	yes	yes
				,	,	40 CFR 122.44(d), 40	,	,	·
			For acute and chronic aquatic life criteria, an applicable DMT shall represent the receiving waters			CFR 122.45(c), 40 CFR			
3745-2-04	F4	shall	downstream of the chronic mixing zone under design conditions.	6111.03, 6111.12	Federal, General	132 Appendix F	yes	yes	yes
						40 CFR 122.44(d), 40			
			For the IMZM criterion, the DMT applicable to the acute aquatic life criterion shall be applied, with			CFR 122.45(c), 40 CFR			
3745-2-04	F5	shall	the following exceptions:	6111.03, 6111.12	Federal, General	132 Appendix F	yes	yes	yes
			If an applicable officent DNAT is not determined the total vaccus and a INATM exitoric shall be			40 CFR 122.44(d), 40 CFR 122.45(c), 40 CFR			
3745-2-04	F5aii	shall	If an applicable effluent DMT is not determined, the total recoverable IMZM criteria shall be applied in accordance with paragraph (F)(2) of this rule.	6111.03, 6111.12	Federal, General	132 Appendix F	ves	yes	yes
3743 2 04	1 3411	Silan	applied in accordance with paragraph (1)(2) or this fale.	0111.03, 0111.12	reactal, deficial	40 CFR 122.44(d), 40	ycs	yes	yes
			The discharge-specific DMT shall be applied by Ohio EPA to determine the effective total			CFR 122.45(c), 40 CFR			
3745-2-04	F6	shall	recoverable criteria applicable to that metal.	6111.03, 6111.12	Federal, General	132 Appendix F	yes	yes	yes
						40 CFR 122.44(d), 40			
			Ohio EPA shall apply that water-body-segment-specific DMT to determine the effective total			CFR 122.45(c), 40 CFR			
3745-2-04	F7	shall	recoverable criteria applicable to that metal.	6111.03, 6111.12	Federal, General	132 Appendix F	yes	yes	yes
						40 CFR 122.44(d), 40			
			Ohio EPA shall apply the region-specific DMT in determining effective total recoverable criteria			CFR 122.45(c), 40 CFR			
3745-2-04	F8	shall	applicable to that metal.  A discharge-specific DMT shall be determined in accordance with the U.S. EPA document, "The	6111.03, 6111.12	Federal, General	132 Appendix F	yes	yes	yes
			Metals Translator: Guidance For Calculating A Total Recoverable Permit Limit From A Dissolved			40 CFR 122.44(d), 40 CFR 122.45(c), 40 CFR			
3745-2-04	G	shall	Criterion" (translator document) except as follows:	6111.03, 6111.12	Federal, General	132 Appendix F	yes	yes	no
3743 2 04		Silaii	cherion (translator accument) except as follows.	0111.03, 0111.12	rederal, deficial	40 CFR 122.44(d), 40	yes	yes	110
			The discharge-specific DMT shall be determined to represent the receiving water downstream of			CFR 122.45(c), 40 CFR			
3745-2-04	G2	shall	the applicable mixing zone under the more restrictive of the following conditions:	6111.03, 6111.12	Federal, General	132 Appendix F	yes	yes	no
						40 CFR 122.44(d), 40			
			The discharge-specific DMT shall represent the ratio of the total recoverable concentration of a			CFR 122.45(c), 40 CFR			
3745-2-04	G3	shall	metal to the dissolved concentration	6111.03, 6111.12	Federal, General	132 Appendix F	yes	yes	no
						40.050.400.534.0			
			An individual DMT measurement shall be determined as the ratio of the total recoverable			40 CFR 122.44(d), 40			
3745-2-04	G3	shall	concentration of a metal in a water sample to the dissolved concentration of that metal in the sam	6111.03, 6111.12	Federal, General	CFR 122.45(c), 40 CFR 132 Appendix F	VAS	Voc	no
3/43-2-04	G3	Sildii	water sample or a separate sample collected at the same time and location.  Clean sampling and analytical procedures in accordance with the U.S. EPA document "Method	0111.03, 0111.12	i euerai, Generai	132 Appendix r	yes	yes	no
			1669: Sampling Ambient Water for Trace Metals at EPA Water Quality Criteria Levels" shall be			40 CFR 122.44(d), 40			
			applied in the collection and analysis of the metals concentrations used to determine a DMT			CFR 122.45(c), 40 CFR			
			Tapplica in the concetion and analysis of the metals concentrations asea to determine a bivi-						

					T		1		
						40 CFR 122.44(d), 40			
			At a minimum, the following measurements shall also be made at the same time and location as			CFR 122.45(c), 40 CFR			
3745-2-04	G5	shall	each of the DMT measurements:	6111.03, 6111.12	Federal, General	132 Appendix F	yes	yes	no
			If either or both of the total recoverable and dissolved concentrations on which a DMT						
			measurement is based are less than the applicable practical quantification level (PQL), then the			10.050.100.11/1/1			
			DMT measurement shall not be used in determining the discharge-specific DMT unless the			40 CFR 122.44(d), 40			
			inaccuracies associated with concentrations less than PQL can be demonstrated to be insignificant			CFR 122.45(c), 40 CFR			
3745-2-04	G6	shall not	or are accounted for through application of scientifically defensible conservative measures.	6111.03, 6111.12	Federal, General	132 Appendix F	yes	yes	yes
			If the total recoverable concentration, or both the total recoverable and dissolved concentrations,			40 CFR 122.44(d), 40			
			are below the applicable detection level, then the DMT measurement shall not be used in			CFR 122.45(c), 40 CFR			
3745-2-04	G6a	shall not	determining the discharge-specific DMT.	6111.03, 6111.12	Federal, General	132 Appendix F	yes	yes	yes
			All DMT measurements applicable to the discharge and receiving water shall be used in						
			determining the discharge-specific DMT, unless the DMT measurements are eliminated in			40 CFR 122.44(d), 40			
			accordance with paragraph (G)(6) of this rule or the DMT measurements can be demonstrated to			CFR 122.45(c), 40 CFR			
3745-2-04	G7	shall not	be inaccurate or unrepresentative of the conditions applicable under paragraph (G)(2) of this rule.	6111.03, 6111.12	Federal, General	132 Appendix F	yes	yes	no
			A DATE was a second baseline and a second as the second as			40.050.455.54.0			
			A DMT measurement less than one, where the observed dissolved metal concentration exceeds the	ie		40 CFR 122.44(d), 40			
			total recoverable concentration, shall not be eliminated unless the individual concentration			CFR 122.45(c), 40 CFR			
3745-2-04	G7	shall	measurements can otherwise be demonstrated to be inaccurate.	6111.03, 6111.12	Federal, General	132 Appendix F	yes	yes	no
						40 CFR 122.44(d), 40			
			The discharge-specific DMT shall be calculated as the geometric mean of the measured translators			CFR 122.45(c), 40 CFR			
3745-2-04	G8a	shall	if all of the following conditions are met:	6111.03, 6111.12	Federal, General	132 Appendix F	yes	yes	no
			the discharge-specific DMT shall be calculated by a scientifically defensible method that accounts			40 CFR 122.44(d), 40			
			for the inaccuracies associated with small data sets or data that may not represent the conditions			CFR 122.45(c), 40 CFR			
3745-2-04	G8b	shall	applicable under paragraph (G)(2) of this rule.	6111.03, 6111.12	Federal, General	132 Appendix F	yes	yes	no
			including conditions outside those applicable under paragraph (G)(2) of this rule, a scientifically	_		10.050.100.11/1/1			
			defensible method shall be applied to determine the mathematical relationships between the DM	T		40 CFR 122.44(d), 40			
			measurements and the other measured factors, separately and in combination, including but not			CFR 122.45(c), 40 CFR			
3745-2-04	G9	shall	limited to stream flow and total suspended solids concentrations.	6111.03, 6111.12	Federal, General	132 Appendix F	yes	yes	no
			Scientifically defensible methods shall also be used to determine the values for each measured			40 CFR 122.44(d), 40			
2745 2 24			factor that will occur during the receiving water and effluent conditions applicable under paragrap		5 1 10 1	CFR 122.45(c), 40 CFR			
3745-2-04	G9	shall	(G)(2) of this rule.	6111.03, 6111.12	Federal, General	132 Appendix F	yes	yes	no
			The Back of the Control of the Contr			40 CFR 122.44(d), 40			
2745 2 04	60	. 1 11	The discharge-specific DMT shall be determined based on the most significant of these	6444 02 6444 42	E. L C	CFR 122.45(c), 40 CFR			
3745-2-04	G9	shall	relationships and values to represent the conditions applicable under paragraph (G)(2) of this rule.	6111.03, 6111.12	Federal, General	132 Appendix F	yes	yes	no
			These most had a shall account for any incorrector or uncertainties accordated with the data or the			40 CFR 122.44(d), 40			
			These methods shall account for any inaccuracies or uncertainties associated with the data or the derived relationships so as to provide reasonable assurance that possible inaccuracies in the			CFR 122.45(c), 40 CFR			
2745 2 04	CO	ah all	·	6111.03, 6111.12	Fodoral Conoral	7 77			
3745-2-04	G9	shall	discharge-specific DMT will not result in exceedance of applicable aquatic life criteria.	0111.03, 0111.12	Federal, General	132 Appendix F 40 CFR 122.44(d), 40	yes	yes	no
			After completion of the discharge-specific DMT study, the discharger shall submit a final report to			CFR 122.45(c), 40 CFR			
2745 2 04	C11	ah all		C111 02 C111 12	Fodoral Conoral				
3745-2-04	G11	shall	Ohio EPA, including at a minimum the following information:  Each discharge-specific DMT calculated pursuant to the requirements of paragraph (G) of this rule	6111.03, 6111.12	Federal, General	132 Appendix F	yes	yes	no
			shall be used in determination of WLAs for that discharge in accordance with paragraph (F) of this			40 CFR 122.44(d), 40			
2745 2 04	G12	chall			Fodoral Conoral	CFR 122.45(c), 40 CFR	vos	V00	vos
3745-2-04	G12	shall	rule.	6111.03, 6111.12	Federal, General	132 Appendix F 40 CFR 122.44(d), 40	yes	yes	yes
			Ohio EPA shall not apply that DMT in determination of WLAs, but may take one of the following			CFR 122.45(c), 40 CFR			
3745-2-04	G12	shall not		6111 02 6111 12	Fodoral Conoral	132 Appendix F	voc	voc	vos
3743-2-04	G12	Stidit HUL	actions:	6111.03, 6111.12	Federal, General	132 Appelluix F	yes	yes	yes
			All studies and reports required under paragraph (G) of this rule shall be in compliance with a			40 CFR 122.44(d), 40			
			schedule agreed upon between Ohio EPA and the discharger such that the discharge-based DMTs			CFR 122.45(c), 40 CFR			
3745-2-04	G13	shall	will be completed prior to the scheduled determination of WLAs for that discharge.	6111.03, 6111.12	Federal, General	132 Appendix F	ves	VOC	no
3743-2-04	913	Stidil	will be completed prior to the scheduled determination of WLAS for that discharge.	0111.03, 0111.12	reuerai, Generai	132 Appelluix F	yes	yes	no
			If sampling is required as a condition of an NPDES permit to verify the continued validity of an			40 CFR 122.44(d), 40			
			applied discharge-specific DMT for a metal (in accordance with paragraph (C) of rule 3745-33-05 or	f		CFR 122.45(c), 40 CFR			
3745-2-04	G14	shall	the Administrative Code), the following requirements shall apply:	6111.03, 6111.12	Federal, General	132 Appendix F	ves	V05	no
3/43-2-04	014	Silali	the Administrative code), the following requirements shall apply.	0111.03, 0111.12	i euerai, Gerierai	132 Appendix F	l Aco	yes	no

	<u> </u>		ALL CONTROL OF THE CO				<u></u>	<u> </u>	
			At least one DMT measurement shall be made during the permit period that, in Ohio EPA's			10.050.100.11/10.10			
			determination, adequately represents the receiving water downstream of the mixing zone for the			40 CFR 122.44(d), 40			
			discharge under the applicable design conditions and meets the requirements of paragraph (G) of			CFR 122.45(c), 40 CFR			
3745-2-04	G14a	shall	this rule.	6111.03, 6111.12	Federal, General	132 Appendix F	yes	yes	no
			The DMT measurements shall be collected in accordance with a schedule in the NPDES permit suc			40 CFR 122.44(d), 40			
			that the results of the measurement will be available prior to the next scheduled determination of			CFR 122.45(c), 40 CFR			
3745-2-04	G14b	shall	WLAs for that discharge.	6111.03, 6111.12	Federal, General	132 Appendix F	yes	yes	no
			In accordance with paragraph (B)(6) of rule 3745-2-06 of the Administrative Code, Ohio EPA shall						
			use the WLAs based on ambient screening values to determine if data must be generated to			40 CFR 122.44(d), 40			
3745-2-04	C3	must	develop numeric criteria for that pollutant.	6111.03, 6111.12	Federal	CFR 132 Appendix F	yes	yes	yes
			For each discharge that may require the development of water quality-based effluent limitations						
			(WQBELs), Ohio EPA shall develop wasteload allocations (WLAs) for pollutants if any of the			40 CFR 122.44(d), 40			
3745-2-04	Α	require	following apply:	6111.03, 6111.12	Federal, General	CFR 132 Appendix F	yes	yes	yes
			The discharge is considered by Ohio EPA to be interactive with one or more other discharges to the	e					
			receiving water for this pollutant and one or more of the discharges will require WLAs for this						
3745-2-04	A3	require	pollutant based on conditions other than this condition	6111.03, 6111.12	Federal, General	40 CFR 122.44(d)	yes	yes	yes
	1.0	1044	A WQBEL is required to meet other federal, state, or local regulations or as may be necessary to				1,55	7	7-5
3745-2-04	A5	require	implement surface water or NPDES permit programs.	6111.03, 6111.12	Federal, State, General	40 CFR 122.44(d)	yes	yes	yes
			If all available effluent data for a pollutant are below the analytical detection levels applied to that		i additing occurrence of		/	1,55	1,55
			data, then a maximum PEQ and an average PEQ cannot be calculated for that pollutant and a						
			determination of WLAs will not be required unless one or more of the conditions in paragraphs			40 CFR 122.44(d), 40			
3745-2-04	B1	require	(A)(3) to (A)(5) of this rule apply.	6111.03, 6111.12	Federal, General	CFR 132 Appendix F	vos	voc	vos
3743-2-04	PI	require	If Ohio EPA determines that a WLA is required for a pollutant based on any one of the conditions	0111.03, 0111.12	rederal, General	CFK 132 Appendix F	yes	yes	yes
			listed in paragraph (A) of this rule, Ohio EPA is not required to evaluate the applicability of the			40 CFR 122.44(d), 40			
2745 2 04	D2	ma musima	other conditions.	6111.03, 6111.12	Fodoral Conoral				l
3745-2-04	B2	require		0111.03, 0111.12	Federal, General	CFR 132 Appendix F	yes	yes	yes
			If Ohio EPA determines that a WLA is required for a pollutant based on any one of the conditions			40 CER 422 44/4) 40			
2745 2 24			listed in paragraph (A) of this rule, Ohio EPA is not required to evaluate the applicability of the		-	40 CFR 122.44(d), 40			
3745-2-04	B2	require	other conditions.	6111.03, 6111.12	Federal, General	CFR 132 Appendix F	yes	yes	yes
			For discharges in the lake Erie basin: For pollutants that require WLA determination based on	_					
			paragraph (A)(4) or (A)(5) of this rule, but do not have established numeric criteria in Chapter 3745	D-					
			1 of the Administrative Code, Ohio EPA shall evaluate available data to determine applicable						
3745-2-04	С	require	numeric criteria. Ohio EPA shall also take the following actions:	6111.03, 6111.12	Federal	40 CFR 132 Appendix F	yes	yes	yes
			For each pollutant for which discharge-specific effluent data is available and one or more data						
			values equal or exceed the analytical detection levels applied to that data, Ohio EPA shall						
			determine the maximum PEQ and the average PEQ to meet the following requirements, unless						
3745-2-04	D	require	otherwise exempt from determination by paragraph (B) of this rule.	6111.03, 6111.12			yes	yes	
			Additionally, if either or both of the total recoverable and dissolved concentrations on which a DN	1T					
			measurement is based are less than the applicable analytical detection level, the following						
3745-2-04	G6	require	requirements apply:	6111.03, 6111.12			yes	yes	
			If the DMT measurements were collected during receiving water and effluent conditions						
			approximating the conditions applicable under paragraph (G)(2) of this rule, the following						
3745-2-04	G8	require	requirements apply to the determination of a discharge-specific DMT.	6111.03, 6111.12			yes	yes	
			Each discharge-specific DMT calculated pursuant to the requirements of paragraph (G) of this rule						
			shall be used in determination of WLAs for that discharge in accordance with paragraph (F) of this						
3745-2-04	G12	require	rule.	6111.03, 6111.12			yes	yes	
		·	If a discharge-specific DMT for a metal was not calculated in accordance with the requirements of						
			paragraph (G) of this rule, Ohio EPA shall not apply that DMT in determination of WLAs, but may						
3745-2-04	G12	require	take one of the following actions:	6111.03, 6111.12			yes	yes	
			Ohio EPA may allow the discharger to revise the study and discharge-specific DMT for that metal t	-				1	
3745-2-04	G12b	require	meet the requirements of this rule and resubmit the final report	6111.03, 6111.12			yes	yes	
	3120	require		0111.12			7.55	,	
			All studies and reports required under paragraph (G) of this rule shall be in compliance with a			40 CFR 122.44(d), 40			
			schedule agreed upon between Ohio EPA and the discharger such that the discharge-based DMTs			CFR 122.45(c), 40 CFR			
3745-2-04	G13	require	will be completed prior to the scheduled determination of WLAs for that discharge.	6111.03, 6111.12	Federal, General	132 Appendix F	yes	VAS	no
13,43 2 04	313	require	Two se completed prior to the seneduled determination of WEAS for that discharge.	0111.00, 0111.12	r cacrai, octional	132 Appendix I	1103	yes	Ino

	1	1					1		
			If sampling is required as a condition of an NPDES permit to verify the continued validity of an						
			applied discharge-specific DMT for a metal (in accordance with paragraph (C) of rule 3745-33-05 of						
3745-2-04	G14	require		6111.03, 6111.12	Federal, General		yes	yes	
3743 2 04	014	require	the Administrative code), the following requirements shall appry.	0111.03, 0111.12	reactal, activital		yes		
			If sampling is required as a condition of an NPDES permit to verify the continued validity of an						
			applied discharge-specific DMT for a metal (in accordance with paragraph (C) of rule 3745-33-05 of						
3745-2-04	G14	require	the Administrative Code), the following requirements shall apply:	6111.03, 6111.12	Federal, General		yes	yes	
			At least one DMT measurement shall be made during the permit period that, in Ohio EPA's						
			determination, adequately represents the receiving water downstream of the mixing zone for the						
			discharge under the applicable design conditions and meets the requirements of paragraph (G) of						
3745-2-04	G14a	require	this rule.	6111.03, 6111.12	Federal, General		yes	yes	
						40 CFR 122.44(d), 40			
			Ohio EPA may apply that discharge-specific DMT in determination of WLAs required for NPDES			CFR 122.45(c), 40 CFR			
3745-2-04	G15	require	permit renewal for that discharge.	6111.03, 6111.12	Federal, General	132 Appendix F	yes	yes	yes
			Ohio EPA may require the discharger to collect additional DMT measurements and redetermine an			40 CFR 122.44(d), 40			
			applicable discharge-specific DMT, in accordance with this rule. Data from the original discharge-			CFR 122.45(c), 40 CFR			
3745-2-04	G16a	require	1 7 7	6111.03, 6111.12	Federal, General	132 Appendix F	yes	yes	no
			Ohio EPA may apply a discharge-specific DMT determined under paragraph (G)(16)(a) or (G)(16)(b)			40 CFR 122.44(d), 40			
			of this rule to determine WLAs for that discharge as required for renewal or a modification of an			CFR 122.45(c), 40 CFR			
3745-2-04	G16c	require		6111.03, 6111.12	Federal, General	132 Appendix F	yes	yes	yes
			If the conditions in paragraph (G)(8)(a) of this rule are not met, but sufficient data are available to						
			accurately estimate the variability of DMT measurements, the discharge-specific DMT shall be						
			calculated by a scientifically defensible method that accounts for the inaccuracies associated with			40 CFR 122.44(d), 40			
			small data sets or data that may not represent the conditions applicable under paragraph (G)(2) of			CFR 122.45(c), 40 CFR			
3745-2-04	G8b	may not		6111.03, 6111.12	Federal, General	132 Appendix F	yes	yes	yes
			For discharges of toxic and carcinogenic pollutants to flowing receiving waters, a wasteload						
			allocation (WLA) for a pollutant shall be calculated for each water quality criterion applicable in						
			accordance with rule 3745-2-04 of the Administrative Code using the following mass balance			40 CFR 122.44(d), 40			
3745-2-05	Α	shall		6111.03, 6111.12	Federal, General	CFR 132 Appendix F	yes	yes	yes
2745 2 25			The following stream design flows shall be used to determine WLAs for discharges to flowing		5 1 10 1	40 CFR 122.44(d), 40			
3745-2-05	A1	shall		6111.03, 6111.12	Federal, General	CFR 132 Appendix F	yes	yes	yes
2745 2 05	44-	ala a II	The per cent of stream design flow contained in paragraph (A)(2) of this rule shall be used in all	C111 02 C111 12	Fadaval Canaval	40 CFR 122.44(d), 40			
3745-2-05	A1e	shall	WLAs, except as specifically provided by paragraph (A)(2)(f) of this rule.  The per cent of stream design flow used for conducting WLAs to achieve maximum and average	6111.03, 6111.12	Federal, General	CFR 132 Appendix F	yes	yes	yes
			water quality criteria shall be the same, except as provided in paragraphs (A)(2)(d) and (A)(2)(e) of			40 CFR 122.44(d), 40			
3745-2-05	A1e	shall		6111.03, 6111.12	Federal, General	CFR 132 Appendix F	ves	VOC	VOC
3743-2-03	Ale	Silali	Stream design flows for streams that are impacted by reservoirs or other physical alterations which	0111.03, 0111.12	rederal, General	CFK 132 Appelluix F	yes	yes	yes
			impact stream flow shall be determined on a case-by-case basis, taking into account relevant site-			40 CFR 122.44(d), 40			
3745-2-05	A1f	shall	,	6111.03, 6111.12	Federal, General	CFR 132 Appendix F	ves	yes	yes
3743 2 03	711	Silali	Stream design flows for such impacted stream segments shall be established at levels to ensure	0111.03, 0111.12	reactal, acticial	40 CFR 122.44(d), 40	yes	yes	ycs
3745-2-05	A1f	shall	· · · · · · · · · · · · · · · · · · ·	6111.03, 6111.12	Federal, General	CFR 132 Appendix F	ves	yes	yes
3743 2 03	7(1)	Silan	protection of designated uses.	0111.03, 0111.12	reactal, deficial	CIN 132 Appendix I	yes	yes	yes
			If the annual 7Q10 is less than or equal to 1.0 cubic feet per second, or if the SDR is equal to or less			40 CFR 122.44(d), 40			
3745-2-05	A2a	shall	· · · · · · · · · · · · · · · · · · ·	6111.03, 6111.12	Federal, General	CFR 132 Appendix F	ves	yes	yes
37 13 2 03	7124	Silan	If the SDR is equal to or greater than 252.0, the WLA shall be calculated using twenty-five per cent	0111.03, 0111.12	reactal, General	40 CFR 122.44(d), 40	yes	763	763
3745-2-05	A2b	shall	· · · · · · · · · · · · · · · · · · ·	6111.03, 6111.12	Federal, General	CFR 132 Appendix F	ves	yes	yes
01.10 = 00	1		If the SDR is greater than 10.0 but less than 252.0, the WLA shall be calculated using the per cent of			40 CFR 122.44(d), 40	7		723
3745-2-05	A2c	shall	· · · · · · · · · · · · · · · · · · ·	6111.03, 6111.12	Federal, General	CFR 132 Appendix F	ves	yes	yes
			WLAs to maintain average criteria shall be calculated using twenty-five per cent of the applicable	, .	,	40 CFR 122.44(d), 40	7		
3745-2-05	A2di	shall		6111.03, 6111.12	Federal, General	CFR 132 Appendix F	ves	yes	yes
					,	rr			
			WLAs to maintain maximum criteria shall be calculated using the SDR to determine the applicable						
3745-2-05	A2dii	shall	percentage of the stream design flow, as established in paragraphs (A)(2)(a) to (A)(2)(c) of this rule.	6111.03, 6111.12	Federal, General	40 CFR 122.44(d)	yes	yes	yes
			No new discharges of bioaccumulative chemicals of concern (BCCs) shall be allowed a mixing zone	•		40 CFR 122.44(d), 40			
3745-2-05	A2diii	shall		6111.03, 6111.12	Federal, General	CFR 132 Appendix F	yes	yes	yes
				•	<del>-</del>		†	<del>-1'</del>	<del></del>
						40 CFR 122.44(d), 40			

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			No mixing zone shall be available after November 15, 2010, unless the discharger demonstrates to	'		40.050.400.44(1).40			
2745 2 05	42.1		the satisfaction of the director, that a mixing zone is necessary for technical, economic, or water	6444 02 6444 42	E. d. od. C. od.	40 CFR 122.44(d), 40			
3745-2-05	A2div	shall	conservation reasons.	6111.03, 6111.12	Federal, General	CFR 132 Appendix F	yes	yes	yes
2745 2 05	A 2 - :	-111	No new discharges of bioaccumulative chemicals of concern (BCCs) shall be allowed a mixing zone		Fadaral Caranal	40 CFR 122.44(d), 40			
3745-2-05	A2ei	shall	after December 30, 2002.	6111.03, 6111.12	Federal, General	CFR 132 Appendix F	yes	yes	yes
2745 2 05	A 2 a ii	ah all	For existing disaborate of BCCs, mixing range shall be abased out	C111 02 C111 12	Fodoral Conoral	40 CFR 122.44(d), 40			lues.
3745-2-05	A2eii	shall	For existing discharges of BCCs, mixing zones shall be phased out.	6111.03, 6111.12	Federal, General	CFR 132 Appendix F	yes	yes	yes
			No mixing zone shall be available after November 15, 2010, unless the discharger demonstrates to	1		40 CED 133 44/4\ 40			
2745 2 05	A 2 a ii	ah all	the satisfaction of the director, that a mixing zone is necessary for technical, economic, or water	C111 02 C111 12	Federal, General	40 CFR 122.44(d), 40			lues.
3745-2-05	A2eii	shall	conservation reasons.	6111.03, 6111.12	rederal, General	CFR 132 Appendix F	yes	yes	yes
2745 2 05	A2f	ah all	The following stream design flows and percentages of stream design flows shall be used for WLAs		Fodoral Conoral	40 CED 133 44/4)			lues.
3745-2-05 3745-2-05	A2fi	shall shall	for direct discharges to the Ohio river:	6111.03, 6111.12	Federal, General	40 CFR 122.44(d)	yes	yes	yes
	A2fii	shall	WLAs to maintain average aquatic life criteria shall use ten per cent of the 7Q10	6111.03, 6111.12	Federal, General	40 CFR 122.44(d) 40 CFR 122.44(d)	yes	yes	yes
3745-2-05	AZIII	Stiali	WLAs to maintain maximum aquatic life criteria shall use one per cent of the 7Q10.	6111.03, 6111.12	Federal, General	40 CFR 122.44(0)	yes	yes	yes
2745 2 05	A2fiii	shall	WLAs for human health criteria for carcinogens, agricultural water supply criteria, and aesthetic	C111 02 C111 12	Fodoral Conoral	40 CED 133 44/4)			
3745-2-05	AZTIII	snaii	criteria shall use ten per cent of the HMQ.	6111.03, 6111.12	Federal, General	40 CFR 122.44(d)	yes	yes	yes
2745 2 05	420		MIA. C. L L. Hill. State Communication and Hell L. L. L. L. L. L 7040	6444 02 6444 42	5. 1	40.050.433.44(4)			
3745-2-05	A2fiv	shall	WLAs for human health criteria for non-carcinogens shall use one hundred per cent of the 7Q10.	6111.03, 6111.12	Federal, General	40 CFR 122.44(d)	yes	yes	yes
3745-2-05	A3	shall	Background water quality shall be determined using the following methods	6111.03, 6111.12	Federal, General	40 CFR 122.44(d)	yes	yes	yes
3745-2-05	A3ai	shall	The arithmetic mean shall be used if the number of observations is less than ten.	6111.03, 6111.12	Federal, General	40 CFR 122.44(d)	yes	yes	yes
3745-2-05	A3aii	shall	The median shall be used if the number of observations is greater than or equal to ten.	6111.03, 6111.12	Federal, General	40 CFR 122.44(d)	yes	yes	yes
			Values reported as less than the reported analytical detection level shall be replaced with one-half						
3745-2-05	A3aiii	shall	of the applied detection level in the calculation of the mean or median.	6111.03, 6111.12	Federal, General	40 CFR 122.44(d)	yes	yes	yes
			If the analytical detection level for a pollutant is not reported and is not available, the analytical						
			detection level for the most sensitive analytical method approved under 40 C.F.R. 136, or other						
3745-2-05	A3aiii	shall	analytical method detection level deemed acceptable by the director, shall be used.	6111.03, 6111.12	Federal, General	40 CFR 122.44(d)	yes	yes	yes
			Zero shall be used as the background water quality if default mixing assumptions are being applied	d					
			and if the pollutant is not reasonably suspected of causing or contributing to the impairment or						
3745-2-05	A3bi	shall	threatening of the designated use in the receiving water.	6111.03, 6111.12	Federal, General	40 CFR 122.44(d)	yes	yes	yes
			One-half of the reported analytical detection level for the pollutant or one-half of the lowest water						
			quality criteria, whichever is lower, shall be used as the background water quality if the pollutant is	S					
			reasonably suspected of causing or contributing to the impairment or threatening of the						
3745-2-05	A3bii	shall	designated use in the receiving water.	6111.03, 6111.12	Federal, General	40 CFR 122.44(d)	yes	yes	yes
			The pollutant shall be quantified through additional monitoring of background water quality with						
3745-2-05	A3biia	shall	more sensitive analytical methods.	6111.03, 6111.12	Federal, General	40 CFR 122.44(d)	yes	yes	yes
3745-2-05	A3biib	shall	The pollutant shall be quantified by another method, such as caged fish or native fish data.	6111.03, 6111.12	Federal, General	40 CFR 122.44(d)	yes	yes	yes
			If no representative ambient data are available, data considered by the director to be						
3745-2-05	A3c	shall	representative of the natural background conditions for that receiving water shall be used.	6111.03, 6111.12	Federal, General	40 CFR 122.44(d)	yes	yes	yes
3745-2-05	A3c	shall	Such data shall be evaluated in accordance with paragraphs (A)(3)(a) and (A)(3)(b) of this rule	6111.03, 6111.12	Federal, General	40 CFR 122.44(d)	yes	yes	yes
			If no representative ambient data are available and there is no other representative information						
			available, background water quality shall be determined using the procedures in paragraph						
3745-2-05	A3d	shall	(A)(3)(b) of this rule.	6111.03, 6111.12	Federal, General	40 CFR 122.44(d)	yes	yes	yes
			Any study designed to increase the effluent mixing levels established in paragraph (A)(2) of this rul	le					
3745-2-05	A3d	shall	shall include determination of background water quality.	6111.03, 6111.12	Federal, General	40 CFR 122.44(d)	yes	yes	
3745-2-05	A4	shall	Effluent design flow. The effluent design flow used in the WLAs shall be any of the following:	6111.03, 6111.12	Federal, General	40 CFR 122.44(d)	yes	yes	yes
			In such a case, the effluent flow shall represent a reasonable estimate of the projected flow for the						
3745-2-05	A4a	shall	POTW during the applicable permit period.	6111.03, 6111.12	Federal, General	40 CFR 122.44(d)	yes	yes	yes
			This flow shall represent a reasonable measure of actual production, projected to occur during the						
3745-2-05	A4b	shall	next NPDES permit period.	6111.03, 6111.12	Federal, General	40 CFR 122.44(d)	yes	yes	yes
			WLA results shall not exceed the inside mixing zone maximum (IMZM) unless a mixing	<u> </u>	<u>'</u>	, ,	T.	ľ	ľ
			demonstration is completed in accordance with rule 3745-1-06 of the Administrative Code that						
3745-2-05	A5	shall not	justifies an alternate value.	6111.03, 6111.12	Federal, General	40 CFR 122.44(d)	yes	yes	yes
1			h		1		1,	11	11

		<u> </u>	licate to the control of the control				1	<u> </u>	
2745 2 05	4.6	ah a II	If the background water quality exceeds an applicable average criterion, the WLA for that criterion		Fadaval Caraval	40 CED 422 44/-IV			
3745-2-05	A6	shall	shall equal the applicable average criterion.  If the background water quality exceeds the maximum criterion, the WLA for that criterion shall	6111.03, 6111.12	Federal, General	40 CFR 122.44(d)	yes	yes	yes
3745-2-05	4.7	shall	equal the maximum criterion.	6111.03, 6111.12	Federal, General	40 CFR 122.44(d)	yes	VOC.	No.
3743-2-03	A7	Silali	equal the maximum chterion.	0111.03, 0111.12	reueral, General	40 CFR 122.44(u)	yes	yes	yes
			When determining a WLA for multiple discharges, the stream/discharge flow ratio shall be						
			calculated as the total flow at the end of the modeled segment under 7Q10 design conditions						
3745-2-05	A9	shall	minus all effluent flow, divided by the total effluent flow to the segment.	6111.03, 6111.12	Federal, General	40 CFR 122.44(d)	yes	yes	yes
07.10 2 00	7.0	5.16.1	This SDR shall then be used to calculate the applicable percentage of stream design flow, using the		reactary series as	10 01 11 2221 1 1(0)	1,00	700	,,,,
3745-2-05	A9	shall	equation listed in paragraph (A)(2) of this rule.	6111.03, 6111.12	Federal, General	40 CFR 122.44(d)	yes	yes	yes
3745-2-05	A9	shall	The same percentage of stream design flow shall be used for each discharge in the segment.	6111.03, 6111.12	Federal, General	40 CFR 122.44(d)	yes	yes	yes
			WLAs to maintain average criteria for direct discharges to non-flowing receiving waters shall be						
3745-2-05	B1	shall	determined using the following equation:	6111.03, 6111.12	Federal, General	40 CFR 122.44(d)	yes	yes	yes
						40 CFR 122.44(d), 40			
3745-2-05	B2a	shall	No new discharges of BCCs shall be allowed a mixing zone after December 30, 2002.	6111.03, 6111.12	Federal, General	CFR 132 Appendix F	yes	yes	yes
						40 CFR 122.44(d), 40			
3745-2-05	B2b	shall	For existing discharges of BCCs, mixing zones shall be phased out.	6111.03, 6111.12	Federal, General	CFR 132 Appendix F	yes	yes	yes
			No mixing zone shall be available after November 15, 2010, unless the discharger demonstrates to						
			the satisfaction of the director, that a mixing zone is necessary for technical, economic, or water			40 CFR 122.44(d), 40			
3745-2-05	B2b	shall	conservation reasons.	6111.03, 6111.12	Federal, General	CFR 132 Appendix F	yes	yes	yes
3745-2-05	В3	shall	WLAs for the maximum criteria shall be set equal to the IMZM.	6111.03, 6111.12	Federal, General	40 CFR 122.44(d)	yes	yes	yes
			WLA results shall not exceed the IMZM unless a mixing demonstration is completed in accordance						
3745-2-05	B3	shall not	with rule 3745-1-06 of the Administrative Code that justifies an alternate value.	6111.03, 6111.12	Federal, General	40 CFR 122.44(d)	yes	yes	yes
			If the background water quality exceeds an applicable average criterion, the WLA for that criterion						
3745-2-05	B4	shall	shall equal the applicable average criterion.	6111.03, 6111.12	Federal, General	40 CFR 122.44(d)	yes	yes	yes
			A water quality-based effluent limitation (WQBEL) or monitoring requirement for a pollutant shall						
			be determined by the reasonable potential of that pollutant to cause or contribute to an excursion			40.650.433.44/1).40			
2745 2 06			of any applicable water quality standard established in or developed under Chapter 3745-1 of the	6444 02 6444 42	5. 1   6	40 CFR 122.44(d), 40			
3745-2-06	A2	shall	Administrative Code.	6111.03, 6111.12	Federal, General	CFR 132 Appendix F	yes	yes	yes
			Freent or availed in payagraph (C) of this rule and payagraph (A) of rule 2745 22 07 of the						
			Except as provided in paragraph (C) of this rule and paragraph (A) of rule 3745-33-07 of the Administrative Code, the determination of reasonable potential shall be based on the comparison						
			of the average or the maximum projected effluent quality (PEQ) to the average or the maximum			40 CFR 122.44(d), 40			
3745-2-06	A3	shall	PEL, respectively, and on other site-specific factors in accordance with paragraph (B) of this rule.	6111.03, 6111.12	Federal, General	CFR 132 Appendix F	yes	yes	yes
3743 2 00	7.5	Silali	Final permit conditions shall be established by Ohio EPA in accordance with rule 3745-33-07 of the		reactal, activital	40 CFR 122.44(d), 40	ycs	ycs	yes
3745-2-06	A3	shall	Administrative Code.	6111.03, 6111.12	Federal, General	CFR 132 Appendix F	yes	yes	yes
3743 2 00	7.5	Silan	Administrative code.	0111.03, 0111.12	reactal, deficial	40 CFR 122.44(d), 40	yes	yes	yes
3745-2-06	B1	shall	WQBELs shall be recommended for any group five pollutant.	6111.03, 6111.12	Federal, General	CFR 132 Appendix F	yes	yes	yes
<u> </u>		5.16.1	The political state of	0111100) 0111111	. cae.a., cenera.	40 CFR 122.44(d), 40	700	700	7.00
3745-2-06	B1	shall	A pollutant shall be assigned to group five if any of the following conditions apply:	6111.03, 6111.12	Federal, General	CFR 132 Appendix F	yes	yes	yes
			If multiple discharges were included in determination of the PEL, the load associated with the PEL	,	,	40 CFR 122.44(d), 40	,	,	ľ
3745-2-06	B1bia	shall	for each upstream discharge shall also be added.	6111.03, 6111.12	Federal, General	CFR 132 Appendix F	yes	yes	yes
				·		40 CFR 122.44(d), 40			
3745-2-06	B1bia	shall	Other upstream pollutant loads included in determination of the PEL shall also be included.	6111.03, 6111.12	Federal, General	CFR 132 Appendix F	yes	yes	yes
			If other upstream pollutant sources were included in determination of the PEL, the flows applied to	)		40 CFR 122.44(d), 40			
3745-2-06	B1bib	shall	those sources in determination of the PEL shall also be included.	6111.03, 6111.12	Federal, General	CFR 132 Appendix F	yes	yes	yes
3745-2-06	B2	shall	A monitoring requirement shall be recommended for any group four pollutant.	6111.03, 6111.12	General	40 CFR 122.44(d)	yes	no	yes
3745-2-06	B2	shall	A pollutant shall be assigned to group four if any of the following conditions apply:	6111.03, 6111.12	General	40 CFR 122.44(d)	yes	no	yes
			A tracking requirement in accordance with rule 3745-33-07 of the Administrative Code shall be						
			recommended for any pollutant for which the average PEQ is more than seventy-five per cent of						
			the average PEL or the maximum PEQ is more than seventy-five per cent of the maximum PEL and						
3745-2-06	В3	shall	paragraph (B)(2) of this rule applies.	6111.03, 6111.12	General	40 CFR 122.44(d)	yes	no	yes
3745-2-06	B4	shall	A monitoring requirement evaluation shall be recommended for any group three pollutant.	6111.03, 6111.12	General	40 CFR 122.44(d)	yes	no	yes
			A pollutant shall be assigned to group three if the average PEQ is less than fifty per cent of the						
		1	average PEL and the maximum PEQ is less than fifty per cent of the maximum PEL and paragraph			40.055.455.444.			
3745-2-06	B4	shall	(B)(5) of this rule does not apply.	6111.03, 6111.12	General	40 CFR 122.44(d)	yes	no	yes
3745-2-06	B5	shall not	A monitoring requirement shall not be recommended for any group two pollutant.	6111.03, 6111.12	General	40 CFR 122.44(d)	yes	no	yes

				1			1		
2745 2 06	25	. 1 11	A pollutant shall be assigned to group two if a WLA was not required for one of the following	6444 02 6444 42		40.650.433.444.1)			
3745-2-06	B5	shall	reasons:	6111.03, 6111.12	General	40 CFR 122.44(d)	yes	no	yes
2745 2 06	D.C.	. 1 11	A pollutant shall be assigned to group one if a WLA could not be calculated because available data		G	40 CED 433 44/4)			
3745-2-06	B6	shall	is insufficient to develop numeric criteria.	6111.03, 6111.12	General	40 CFR 122.44(d)	yes	no	yes
2745 2 26	20		Ohio EPA shall generate or require the discharger to generate the data necessary to derive numeric		5 1 10 1	40 CFR 122.44(d), 40			
3745-2-06	B6a	shall	criteria under the following conditions	6111.03, 6111.12	Federal, General	CFR 132 Appendix F	yes	yes	yes
			If the maximum PEQ is greater than or equal to the WLA based on the ambient screening value to						
			protect aquatic life from acute effects, data shall be generated to derive an acute aquatic life			40 CFR 122.44(d), 40			
3745-2-06	B6ai	shall	criterion for that pollutant	6111.03, 6111.12	Federal, General	CFR 132 Appendix F	yes	yes	yes
			If the average PEQ is greater than or equal to the WLA based on the ambient screening value to						
			protect aquatic life from chronic effects, data shall be generated to derive a chronic aquatic life			40 CFR 122.44(d), 40			
3745-2-06	B6aii	shall	criterion for that pollutant.	6111.03, 6111.12	Federal, General	CFR 132 Appendix F	yes	yes	yes
			If the average PEQ is greater than or equal to the WLA based on the ambient screening value to						
			project humans from health effects other than cancer, data shall be generated to derive a human			40 CFR 122.44(d), 40			
3745-2-06	B6aiii	shall	health criterion for that pollutant.	6111.03, 6111.12	Federal, General	CFR 132 Appendix F	yes	yes	yes
			After data has been generated, as required by paragraph (B)(6)(a) of this rule, Ohio EPA shall						
			develop numeric criteria for that pollutant in accordance with Chapter 3745-1 of the Administrative	e		40 CFR 122.44(d), 40			
3745-2-06	B6b	shall	Code.	6111.03, 6111.12	Federal, General	CFR 132 Appendix F	ves	yes	yes
07.00	100	5.1.0.1	Ohio EPA shall then reevaluate WLAs for that pollutant in accordance with Chapter 3745-2 of the	0111:00, 0111:11	reactal, centeral	40 CFR 122.44(d), 40	700	700	700
3745-2-06	B6b	shall	Administrative Code.	6111.03, 6111.12	Federal, General	CFR 132 Appendix F	ves	yes	yes
3743-2-00	1000	Silali	Ohio EPA shall establish any requirements for the discharger to collect the data required by	0111.03, 0111.12	rederal, General	CFR 132 Appendix I	yes	yes	yes
						40 CED 133 44/4\ 40			
2745 2 06	D.C.	.111	paragraph (B)(6)(a) of this rule in the discharger's permit, in accordance with Chapter 3745-33 of	6444 02 6444 42	5. 1 6	40 CFR 122.44(d), 40			
3745-2-06	B6c	shall	the Administrative Code.	6111.03, 6111.12	Federal, General	CFR 132 Appendix F	yes	yes	yes
			The determination of reasonable potential of intake pollutants shall be made on a pollutant-			40 CFR 122.44(d), 40			
3745-2-06	С	shall	specific and an outfall-specific basis.	6111.03, 6111.12	Federal, General	CFR 132 Appendix F	yes	yes	yes
			the director shall not be required to include a WQBEL for the identified intake pollutants in the			40 CFR 122.44(d), 40			
3745-2-06	C3	shall not	discharger's NPDES permit, provided the following:	6111.03, 6111.12	Federal, General	CFR 132 Appendix F	yes	yes	yes
			the director shall use the procedures set forth in paragraphs (A) and (B) of this rule to determine			40 CFR 122.44(d), 40			
3745-2-06	C4	shall	the reasonable potential of that pollutant.	6111.03, 6111.12	Federal, General	CFR 132 Appendix F	yes	yes	yes
			Such a pollutant shall not be considered to be from the same body of water if the groundwater						
			contains the pollutant partially or entirely due to human activity, such as industrial, commercial, or			40 CFR 122.44(d), 40			
3745-2-06	C7	shall not	municipal operations, disposal actions, or treatment process.	6111.03, 6111.12	Federal, General	CFR 132 Appendix F	yes	yes	yes
			In the lake Erie drainage basin, if the geometric mean of a pollutant in fish tissue samples collected						
			from a waterbody exceeds the tissue basis of a tier I criterion or tier II value, after consideration of						
			the variability of the pollutant's bioconcentration and bioaccumulation in fish, each facility that						
			discharges detectable levels of such pollutant to that water has the reasonable potential to cause						
			or contribute to an excursion above a tier I criteria or a tier II value and the director shall establish	a		40 CFR 122.44(d), 40			
3745-2-06	D	shall	WQBEL for such pollutant in the NPDES permit for such facility.	6111.03, 6111.12	Federal, General	CFR 132 Appendix F	yes	yes	yes
3743 2 00		Silali	The incremental risk of each known or suspected carcinogen present in a discharge shall be	0111.03, 0111.12	reactal, acticiai	CFR 132 Appendix I	ycs	ycs	yes
3745-2-07	A 1	shall	considered additive in accordance with this rule.	6111 02 6111 12	Fodoral Conoral	40 CER 122 Appendix E	wo c	vos	luos.
3743-2-07	A1	Sildii	Except as provided in paragraphs (A)(3) and (A)(4) of this rule, the following equation shall be used	6111.03, 6111.12	Federal, General	40 CFR 132 Appendix F	yes	yes	yes
0745 0 07			to protect against additive effects associated with simultaneous human exposure to multiple	5444 00 6444 40	5 1 10 1	40.050.400.4			
3745-2-07	A2	shall	chemicals:	6111.03, 6111.12	Federal, General	40 CFR 132 Appendix F	yes	yes	yes
			If the discharger demonstrates to the director's satisfaction that the carcinogenic risk is not additive						
3745-2-07	A3	shall	for a pollutant, the director shall exclude that pollutant from paragraph (A)(2) of this rule.	6111.03, 6111.12	Federal, General	40 CFR 132 Appendix F	yes	yes	yes
3745-2-07	A5	shall	Carcinogens shall be considered to be conservative pollutants in the absence of other information.	6111.03, 6111.12	Federal, General	40 CFR 132 Appendix F	yes	yes	yes
			Noncarcinogenic effects of individual pollutants shall not be considered to be additive unless						
			available scientific information supports a reasonable assumption that the pollutants produce						
3745-2-07	B1	shall not	additive effects through the same mechanism of action.	6111.03, 6111.12	Federal, General	40 CFR 132 Appendix F	yes	yes	yes
			For noncarcinogens that have human health effects that have been shown by scientific evidence to		,	P.F. S. S. S.	1	<b>'</b>	,
			be additive, the following equation shall be used to protect against additive effects associated with						
3745-2-07	B2	shall	simultaneous human exposure to multiple chemicals	6111.03, 6111.12	Federal, General	40 CFR 132 Appendix F	yes	yes	yes
5/75 Z-U/	۵۷	Silali	For discharges containing one or more 2, 3, 7, 8-substituted chlorinated dibenzo-p-dioxins or 2, 3,	0111.03, 0111.12	i cuciai, General	TO CLIV TO S APPELIAIX F	yes	yes	yes
2745 2 67	C1	ala : II	7, 8-substituted dibenzofurans, the 2, 3, 7, 8-TCDD toxicity equivalence concentration (TECtcdd)	C111 02 C111 12	Fadamal Commit	40 CED 433 A			
3745-2-07	C1	shall	shall be determined.	6111.03, 6111.12	Federal, General	40 CFR 132 Appendix F	yes	yes	yes

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		ļ,	The values listed in table 1 of this rule shall be used to determine the TECtcddusing the following						
3745-2-07	C2	shall	equation:	6111.03, 6111.12	Federal, General	40 CFR 132 Appendix F	yes	yes	yes
l			The TECtcdd concentration of a discharge shall be considered as one pollutant for purposes of the						
0745 0 07			equation in paragraph (A)(2) of this rule (if carcinogenic) or paragraph (B)(2) of this rule (if			40.050.400.4			
3745-2-07	C3	shall	noncarcinogenic).	6111.03, 6111.12	Federal, General	40 CFR 132 Appendix F	yes	yes	yes
l									
l			For discharges of whole effluent toxicity (WET) to flowing receiving waters, the WQBEL for WET			40 CFR 122.44(d) and 40			
3745-2-09	A	shall	shall be calculated using the following mass balance equation:	6111.03, 6111.12	Federal, General	CFR 132 Appendix F	yes	yes	yes
l			Dealers of the Column of the C			40 CED 422 44/4) 400			
2745 2 00			Background water quality for WET calculations shall be determined using the following	6444 02 6444 42	Establica and	40 CFR 122.44(d) and 40			
3745-2-09	В	shall	requirements.	6111.03, 6111.12	Federal, General	CFR 132 Appendix F	yes	yes	yes
l			To establish background levels of acute toxicity, Ohio EPA shall consider the likelihood for acute			40 CED 422 44/4) 40			
2745 2 00	D2	-h - II	toxicity to exist in the background waters of the discharge using available information on the	6444 02 6444 42	Fadaval Canaval	40 CFR 122.44(d) and 40			
3745-2-09	B2	shall	following factors:	6111.03, 6111.12	Federal, General	CFR 132 Appendix F	yes	yes	yes
l			After an applicate of the likelihood for equite to visit, to exist in the healest and waters of the			40 CED 133 44/d) and 40			
2745 2 00	D2	-h - II	After an analysis of the likelihood for acute toxicity to exist in the background waters of the	6444 02 6444 42	Fadaval Canaval	40 CFR 122.44(d) and 40			
3745-2-09	B3	shall	discharge, background toxicity shall be set equal to one of the following values:	6111.03, 6111.12	Federal, General	CFR 132 Appendix F	yes	yes	yes
l			Wasteload allocation (WLA) results for acute toxicity shall not exceed 1.0 TUa unless the provisions			40 CED 133 44/d) and 40			
2745 2 00	6	-h - II +	in paragraph (B) of rule 3745-33-07 of the Administrative	6444 02 6444 42	Fadaval Canaval	40 CFR 122.44(d) and 40			
3745-2-09	L	shall not	Code are met.  When the director determines that it is necessary to consider multiple discharges in a M/A the	6111.03, 6111.12	Federal, General	CFR 132 Appendix F	yes	yes	yes
1			When the director determines that it is necessary to consider multiple discharges in a WLA, the			40 CED 433 44/-1\			
2745 2 00	5	-h - II	procedures defined in paragraph (A)(8) of rule 3745-2-05 of the Administrative Code shall be	6444 02 6444 42	Fadaval Canaval	40 CFR 122.44(d) and 40			
3745-2-09	U	shall	followed.	6111.03, 6111.12	Federal, General	CFR 132 Appendix F	yes	yes	yes
l			N// As to maintain chronic toxicity loyals for disact disaborase to non-flouring vecesiving waters shall			40 CFR 122.44(d) and 40			
2745 2 00	F1	ah all	WLAs to maintain chronic toxicity levels for direct discharges to non-flowing receiving waters shall	C111 02 C111 12	Fodoral Conoral	, ,			
3745-2-09	E1	shall	be determined using the following equation:	6111.03, 6111.12	Federal, General	CFR 132 Appendix F	yes	yes	yes
l						40 CER 122 44(d) and 40			
3745-2-09	E2	shall	W// As for south lovels shall be set orivel to 1 O.T.L.	6111.03, 6111.12	Fodoral Conoral	40 CFR 122.44(d) and 40 CFR 132 Appendix F			
3745-2-09	EZ	Sildii	WLAs for acute levels shall be set equal to 1.0 TUa.	0111.05, 0111.12	Federal, General	CFR 152 Appelluix F	yes	yes	yes
l			Allocation results for acute toxicity shall not exceed 1.0 TUa unless the provisions in paragraph (B)			40 CFR 122.44(d) and 40			
3745-2-09	E3	shall not	of rule 3745-33-07 of the Administrative Code are met.	6111.03, 6111.12	Federal, General		ves	NO.	was .
3745-2-09	E3	Stiali flot	of fule 3743-33-07 of the Administrative code are met.	0111.05, 0111.12	rederal, General	CFR 132 Appendix F	yes	yes	yes
l			If background toxicity is due to an identifiable discharge that has not yet achieved toxicity limits			40 CFR 122.44(d) and 40			
3745-2-09	ВЗс	require	required by paragraph (B) of rule 3745-33-07 of the Administrative Code, use 0.0 TUa.	6111.03, 6111.12	Federal, General	CFR 132 Appendix F	ves	yes	yes
7743 2 03	ВЗС	require	required by paragraph (b) or rule 3743 33 67 or the Administrative code, asc 6.6 Tod.	0111.03, 0111.12	reactal, acticial	CTR 132 Appendix I	yc3	yes	yes
l			For discharges of ammonia-nitrogen (NH3-N) to flowing receiving waters, the wasteload allocation						
3745-2-10	Δ	shall	(WLA) shall be calculated using the following mass balance equation:	6111.03, 6111.12	Federal, General	40 CFR 122.44(d)	yes	yes	yes
3743 2 10	<i>A</i>	Silan	The following stream design flows shall be used to determine WLAs to maintain water quality	0111.03, 0111.12	reactal, deficial	40 CH (122.44(u)	763	yes	yes
3745-2-10	В	shall	criteria for NH3-N toxicity.	6111.03, 6111.12	Federal, General	40 CFR 122.44(d)	yes	yes	yes
07.02.20		0.10.1	The WLAs shall use the per cent of stream design flow contained in paragraphs (A)(2)(a) to (A)(2)(c)		reactary concrar	10 0.11 122.11(0)	700	700	7.00
3745-2-10	С	shall	of rule 3745-2-05 of the Administrative Code.	6111.03, 6111.12	Federal, General	40 CFR 122.44(d)	yes	yes	yes
			Stream design flows for such impacted stream segments shall be established at levels that ensure		,	(2)	7	,	, ,
3745-2-10	С	shall	protection of designated uses.	6111.03, 6111.12	Federal, General	40 CFR 122.44(d)	yes	yes	yes
					reueral, General		† <i>*</i>		•
		Shan			rederal, deficial				
		Silan	WLAs to maintain the acute criteria shall be required for streams designated as limited resource		rederal, deficial				
3745-2-10	D		WLAs to maintain the acute criteria shall be required for streams designated as limited resource water in Chapter 3745-1 of the Administrative Code, or for other streams for which the limited			, ,	yes	ves	ves
3745-2-10	D	shall	WLAs to maintain the acute criteria shall be required for streams designated as limited resource water in Chapter 3745-1 of the Administrative Code, or for other streams for which the limited resource water criteria are applicable.	6111.03, 6111.12	Federal, General	40 CFR 122.44(d)	yes	yes	yes
3745-2-10	D		WLAs to maintain the acute criteria shall be required for streams designated as limited resource water in Chapter 3745-1 of the Administrative Code, or for other streams for which the limited resource water criteria are applicable.  Exception for direct discharges to lake Erie. If it is necessary to determine a WLA for a direct			, ,	yes	yes	yes
3745-2-10 3745-2-10	D E		WLAs to maintain the acute criteria shall be required for streams designated as limited resource water in Chapter 3745-1 of the Administrative Code, or for other streams for which the limited resource water criteria are applicable.			, ,	yes	yes	yes
	D E	shall	WLAs to maintain the acute criteria shall be required for streams designated as limited resource water in Chapter 3745-1 of the Administrative Code, or for other streams for which the limited resource water criteria are applicable.  Exception for direct discharges to lake Erie. If it is necessary to determine a WLA for a direct discharge to lake Erie, the mixing assumptions contained in rule 3745-2-05 of the Administrative	6111.03, 6111.12	Federal, General	40 CFR 122.44(d)			
	D E	shall	WLAs to maintain the acute criteria shall be required for streams designated as limited resource water in Chapter 3745-1 of the Administrative Code, or for other streams for which the limited resource water criteria are applicable.  Exception for direct discharges to lake Erie. If it is necessary to determine a WLA for a direct discharge to lake Erie, the mixing assumptions contained in rule 3745-2-05 of the Administrative Code shall be used.	6111.03, 6111.12	Federal, General	40 CFR 122.44(d)			
	D E F	shall	WLAs to maintain the acute criteria shall be required for streams designated as limited resource water in Chapter 3745-1 of the Administrative Code, or for other streams for which the limited resource water criteria are applicable.  Exception for direct discharges to lake Erie. If it is necessary to determine a WLA for a direct discharge to lake Erie, the mixing assumptions contained in rule 3745-2-05 of the Administrative Code shall be used.  Exception for direct discharges to the Ohio river. If it is necessary to determine a WLA for a direct	6111.03, 6111.12	Federal, General	40 CFR 122.44(d)			
3745-2-10	D E F G	shall shall	WLAs to maintain the acute criteria shall be required for streams designated as limited resource water in Chapter 3745-1 of the Administrative Code, or for other streams for which the limited resource water criteria are applicable.  Exception for direct discharges to lake Erie. If it is necessary to determine a WLA for a direct discharge to lake Erie, the mixing assumptions contained in rule 3745-2-05 of the Administrative Code shall be used.  Exception for direct discharges to the Ohio river. If it is necessary to determine a WLA for a direct discharge to the Ohio river, the mixing assumptions contained in rule 3745-2-05 of the	6111.03, 6111.12 6111.03, 6111.12	Federal, General Federal, General	40 CFR 122.44(d) 40 CFR 122.44(d)	yes	yes	yes
3745-2-10 3745-2-10	D E F G	shall shall shall	WLAs to maintain the acute criteria shall be required for streams designated as limited resource water in Chapter 3745-1 of the Administrative Code, or for other streams for which the limited resource water criteria are applicable.  Exception for direct discharges to lake Erie. If it is necessary to determine a WLA for a direct discharge to lake Erie, the mixing assumptions contained in rule 3745-2-05 of the Administrative Code shall be used.  Exception for direct discharges to the Ohio river. If it is necessary to determine a WLA for a direct discharge to the Ohio river, the mixing assumptions contained in rule 3745-2-05 of the Administrative Code shall be used.	6111.03, 6111.12 6111.03, 6111.12 6111.03, 6111.12	Federal, General Federal, General Federal, General	40 CFR 122.44(d)  40 CFR 122.44(d)  40 CFR 122.44(d)	yes	yes	yes
3745-2-10 3745-2-10	D E F G	shall shall shall	WLAs to maintain the acute criteria shall be required for streams designated as limited resource water in Chapter 3745-1 of the Administrative Code, or for other streams for which the limited resource water criteria are applicable.  Exception for direct discharges to lake Erie. If it is necessary to determine a WLA for a direct discharge to lake Erie, the mixing assumptions contained in rule 3745-2-05 of the Administrative Code shall be used.  Exception for direct discharges to the Ohio river. If it is necessary to determine a WLA for a direct discharge to the Ohio river, the mixing assumptions contained in rule 3745-2-05 of the Administrative Code shall be used.  This WLA shall be developed pursuant to rule 3745-2-05 of the Administrative Code.	6111.03, 6111.12 6111.03, 6111.12 6111.03, 6111.12	Federal, General Federal, General Federal, General	40 CFR 122.44(d)  40 CFR 122.44(d)  40 CFR 122.44(d)	yes	yes	yes
3745-2-10 3745-2-10	D E F G	shall shall shall	WLAs to maintain the acute criteria shall be required for streams designated as limited resource water in Chapter 3745-1 of the Administrative Code, or for other streams for which the limited resource water criteria are applicable.  Exception for direct discharges to lake Erie. If it is necessary to determine a WLA for a direct discharge to lake Erie, the mixing assumptions contained in rule 3745-2-05 of the Administrative Code shall be used.  Exception for direct discharges to the Ohio river. If it is necessary to determine a WLA for a direct discharge to the Ohio river, the mixing assumptions contained in rule 3745-2-05 of the Administrative Code shall be used.  This WLA shall be developed pursuant to rule 3745-2-05 of the Administrative Code.  WLAs to maintain the acute criteria shall be required for streams designated as limited resource	6111.03, 6111.12 6111.03, 6111.12 6111.03, 6111.12	Federal, General Federal, General Federal, General	40 CFR 122.44(d)  40 CFR 122.44(d)  40 CFR 122.44(d)	yes	yes	yes
3745-2-10 3745-2-10 3745-2-10	D E F G	shall shall shall shall	WLAs to maintain the acute criteria shall be required for streams designated as limited resource water in Chapter 3745-1 of the Administrative Code, or for other streams for which the limited resource water criteria are applicable.  Exception for direct discharges to lake Erie. If it is necessary to determine a WLA for a direct discharge to lake Erie, the mixing assumptions contained in rule 3745-2-05 of the Administrative Code shall be used.  Exception for direct discharges to the Ohio river. If it is necessary to determine a WLA for a direct discharge to the Ohio river, the mixing assumptions contained in rule 3745-2-05 of the Administrative Code shall be used.  This WLA shall be developed pursuant to rule 3745-2-05 of the Administrative Code.  WLAs to maintain the acute criteria shall be required for streams designated as limited resource water in Chapter 3745-1 of the Administrative Code, or for other streams for which the limited	6111.03, 6111.12 6111.03, 6111.12 6111.03, 6111.12 6111.03, 6111.12	Federal, General  Federal, General  Federal, General  Federal, General	40 CFR 122.44(d)  40 CFR 122.44(d)  40 CFR 122.44(d)  40 CFR 122.44(d)	yes yes yes	yes yes yes	yes yes yes
3745-2-10 3745-2-10 3745-2-10	D E F G	shall shall shall shall	WLAs to maintain the acute criteria shall be required for streams designated as limited resource water in Chapter 3745-1 of the Administrative Code, or for other streams for which the limited resource water criteria are applicable.  Exception for direct discharges to lake Erie. If it is necessary to determine a WLA for a direct discharge to lake Erie, the mixing assumptions contained in rule 3745-2-05 of the Administrative Code shall be used.  Exception for direct discharges to the Ohio river. If it is necessary to determine a WLA for a direct discharge to the Ohio river, the mixing assumptions contained in rule 3745-2-05 of the Administrative Code shall be used.  This WLA shall be developed pursuant to rule 3745-2-05 of the Administrative Code.  WLAs to maintain the acute criteria shall be required for streams designated as limited resource water in Chapter 3745-1 of the Administrative Code, or for other streams for which the limited	6111.03, 6111.12 6111.03, 6111.12 6111.03, 6111.12 6111.03, 6111.12	Federal, General  Federal, General  Federal, General  Federal, General	40 CFR 122.44(d)  40 CFR 122.44(d)  40 CFR 122.44(d)  40 CFR 122.44(d)	yes yes yes	yes yes yes	yes yes yes

			The director shall do the following for stakeholder involvement during TMDL development in	6111.03, 6111.12,					
3745-2-12	A2	shall	accordance with section 6111.562 of the Revised Code:	6111.562	state/federal	40 CFR 130.7	yes	yes	yes
			Official draft TMDL. The director shall prepare an official draft TMDL prior to establishing a final	6111.03, 6111.12,					
3745-2-12	A3	shall	TMDL, as follows:	6111.563	state/federal	40 CFR 130.7	yes	yes	yes
2745 2 42				6111.03, 6111.12,		40.050.400.7			
3745-2-12	A3a	shall	The official draft TMDL shall include both of the following:	6111.563	state/federal	40 CFR 130.7	yes	yes	yes
2745 2 42	4.01		The director shall provide public notice of the official draft TMDL in accordance with rule 3745-49-	6111.03, 6111.12,		40.050.400.7			
3745-2-12	A3b	shall	07 of the Administrative Code.	6111.563	state/federal	40 CFR 130.7	yes	yes	yes
2745 2 12	A 2 h	ah all	In addition to the information required by rule 3745-49-08 of the Administrative Code, the public	6111.03, 6111.12, 6111.563	state/federal	40 CFR 130.7			
3745-2-12	A3b	shall	notice shall specify both of the following:	6111.03, 6111.12,	State/rederar	40 CFR 130.7	yes	yes	yes
3745-2-12	A3c	shall	The director shall send the public notice to the following stakeholders:	6111.563	state		ves	yes	yes
3743-2-12	ASC	Silali	The director shall send the public notice to the following stakeholders.	6111.03, 6111.12,	State		yes	yes	yes
3745-2-12	A3d	shall	The director shall allow not less than sixty days for comment on the official draft TMDL.	6111.563	state		yes	yes	yes
3743 2 12	7.50	Silan	The director shall provide an opportunity for public hearing regarding the official draft TMDL if	6111.03, 6111.12,	State		yes	yes	yes
3745-2-12	A3e	shall	there is significant public interest.	6111.563	state		yes	yes	yes
	1.00			6111.03, 6111.12,			755	755	, , , ,
3745-2-12	A3e	shall	Requests shall state the nature of issues proposed to be raised at the hearing.	6111.563	general authority		yes	no	yes
					,		,		,
			The director shall prepare and make available a written responsiveness summary of the comments	6111.03, 6111.12,					
3745-2-12	A3f	shall	received during the applicable comment period on the official draft TMDL.	6111.563	state		yes	yes	yes
			Final TMDL. After completion of the items in paragraph (A)(3) of this rule if the director determines	S					
			it is appropriate to complete the TMDL, the director shall establish a final TMDL and submit the	6111.03, 6111.12,					
3745-2-12	A4	shall	final TMDL to U.S. EPA for approval.	6111.563	state/federal	40 CFR 130.7	yes	yes	yes
			At a minimum, the following factors shall be considered when determining an assessment area for	6111.03, 6111.12,					
3745-2-12	B1	shall	a TMDL:	6111.562	state		yes	yes	yes
			A TMDL shall be determined as the sum of all existing or projected loads of a pollutant to the TMD						
3745-2-12	B2	shall	assessment area from point sources, nonpoint sources and background sources.	6111.563	state/federal	40 CFR 130.2	yes	yes	yes
			The sum of the loads shall not be greater than the loading capacity of the receiving water for the	6111.03, 6111.12,					
3745-2-12	B2	shall not	pollutant minus a specified margin of safety (MOS) and any capacity reserved for future growth.	6111.561	federal	40 CFR 130.7	yes	yes	yes
			The background concentration of a pollutant for the purpose of establishing a TMDL shall be	6111.03, 6111.12,					
3745-2-12	B3	shall	determined in accordance with rule 3745-2-05 of the Administrative Code.	6111.561	federal	40 CFR 132 Appendix F	yes	yes	yes
			The loading capacity for the purpose of establishing a TMDL shall be determined as the largest load	d					
			of a pollutant that a water body can receive without violating water quality standards at any	- (111 02 (111 12					
2745 2 12	D.4	ah all	applicable site within the TMDL implementation plan assessment area (outside of applicable mixing	-	fodovol	40 CED 133 Amounding E			
3745-2-12	B4	shall	zones).	6111.561	federal	40 CFR 132 Appendix F	yes	yes	yes
			Pollutant loads for sources which only affect the receiving water at certain flow conditions shall be	6111.03, 6111.12,					
3745-2-12	B4	shall	determined to maintain only the loading capacities applicable at those conditions.	6111.561	federal	40 CFR 132 Appendix F	VAS	yes	yes
3743-2-12	54	Silali	Each TMDL shall include a MOS sufficient to account for technical uncertainties in establishing the	6111.03, 6111.12,	leuciai	40 CFR 132 Appendix I	yes	yes	yes
3745-2-12	B5	shall	TMDL.	6111.561	state/federal	40 CFR 130.07	yes	yes	yes
3. 13 2 12		J. iuii	The TMDL implementation plan shall describe the manner in which the MOS is determined and	6111.03, 6111.12,	state, reactar	.0 0.11 100.07	,	,	700
3745-2-12	B5	shall	incorporated into the TMDL.	6111.561	federal	40 CFR 132 Appendix F	ves	yes	yes
			• • • • • • • • • • • • • • • • • • • •				,	7	,
			Where adequate reserved allocations are not included in a TMDL, any increased loadings of the						
			pollutant for which the TMDL was developed that are due to a new or expanded discharge shall no	ot					
			be allowed unless the TMDL is revised in accordance with this rule and section 6111.563 of the	6111.03, 6111.12,					
3745-2-12	В6	shall not	Revised Code to include an allocation for the new or expanded discharge.	6111.561	state/federal	40 CFR 131.12	yes	yes	yes
			Where appropriate and where sufficient data are available, TMDLs shall reflect contributions to the	e 6111.03, 6111.12,					
3745-2-12	В7	shall	water column from sediments inside and outside of any applicable mixing zones.	6111.561	federal	40 CFR 132, Appendix F	yes	yes	yes
			TMDLs shall be sufficiently stringent so as to prevent accumulation of the pollutant of concern in						
			sediments to levels injurious to designated or existing uses, human health, wildlife and aquatic life						
3745-2-12	В7	shall	criteria.	6111.561	federal	40 CFR 132, Appendix F	yes	yes	yes
				6111.03, 6111.12,					
3745-2-12	B8	shall	TMDLs shall be based on the assumption that a pollutant does not degrade.	6111.561	federal	40 CFR 132, Appendix F	yes	yes	yes
			TMDLs for metals shall be determined based on the total recoverable form of that metal provided	6111.03, 6111.12,					
3745-2-12	B9	shall	by all sources considered in that TMDL.	6111.561	federal	40 CFR 132, Appendix A	yes	yes	yes

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			The loading capacity for that TMDL shall be determined to maintain the total recoverable criteria	6111.03, 6111.12,					
3745-2-12	B9	shall	applicable to that metal, with the following exceptions:	6111.561	federal	40 CFR 132, Appendix A	yes	yes	yes
			TMDLs shall reflect, where appropriate and where sufficient data are available, point source and	6111.03, 6111.12,					
3745-2-12	B10	shall	nonpoint source pollutant loads resulting from wet weather events.	6111.561	federal	40 CFR 132, Appendix F	yes	yes	yes
			In addition to the requirements of paragraphs (B)(1) to (B)(10) of this rule, the director shall	6111.03, 6111.12,					
2745 2 42	D11	ala a U							
3745-2-12	B11	shall	consider and evaluate the factors in divisions (B) and (C) of section 6111.562 of the Revised Code.	6111.562	state		yes	yes	yes
2745 2 42	0.4			6111.03, 6111.12,					
3745-2-12	C1	shall	For the purpose of establishing a TMDL, LAs shall be based on at least the following information:	6111.561	federal	40 CFR 132, Appendix F	yes	yes	yes
			For LAs established on the basis of paragraph (C)(1)(c) of this rule, monitoring data shall be	6111.03, 6111.12,					
3745-2-12	C2	shall	collected and analyzed in order to validate the TMDL's assumptions,	6111.561	federal	40 CFR 132, Appendix F	yes	yes	yes
			LAs established in a TMDL shall be determined in accordance with rule 3745-2-05 of the	6111.03, 6111.12,					
3745-2-12	C3	shall	Administrative Code such that water quality criteria are maintained at the design conditions.	6111.561	federal	40 CFR 132, Appendix F	VAS	yes	yes
3743 2 12	CS	Silali	Pollutant loads allocated to point sources in a TMDL shall be used to determine WLAs for those	6111.03, 6111.12,	icaciai	40 CFR 132.2 and	yes	ycs	yes
2745 2 12	_	shall	·		fodoral		was	vos	luos.
3745-2-12	D D	Stidii	point sources.	6111.561	federal	Appendix F	yes	yes	yes
1			If TMDLs are established in TMDL implementation plans for different segments of the same						
1			watershed and include allocations for the same pollutant for the same point source, then WLAs fo	r 6111.03. 6111 12					
3745-2-12	D1	shall	that pollutant and point source shall be consistent with the most stringent of those allocations.	6111.561	federal	40 CFR 132, Appendix F	ves	yes	yes
3743 2 12	D1	Silali	For point sources considered in a TMDL that discharge at stream flows at or below the stream	0111.501	icaciai	40 ετιν 192, Αρβετιαίχ τ	yes	ycs	yes
			design flows applicable under rule 3745-2-05 of the Administrative Code, WLAs shall be						
			,	6111 02 6111 12					
2745 2 42	D2	ala a U	determined in accordance with rule 3745-2-05 of the Administrative Code such that water quality	6111.03, 6111.12,	fadanal	40 CED 133 Ammandia E			
3745-2-12	D2	shall	criteria are maintained at the design conditions.	6111.561	federal	40 CFR 132 Appendix F	yes	yes	yes
2745 2 42			WLAs determined as part of a TMDL shall be used to determine WQBELs for that discharge in	6111.03, 6111.12,					
3745-2-12	D4	shall	accordance with rule 3745-2-06 of the Administrative Code.	6111.561	federal	40 CFR 132 Appendix F	yes	yes	yes
				6111.03, 6111.12,					
3745-2-12	E1	shall	TMDLs shall be established and implemented through a TMDL implementation plan	6111.561	federal	40 CFR 132 Appendix F	yes	yes	yes
			An implementation plan shall address attainment of applicable water quality standards,						
			determined in accordance with rule 3745-2-04 of the Administrative Code (or as otherwise						
			applicable in accordance with Chapter 3745-1 of the Administrative Code) for each pollutant for	6111.03, 6111.12,					
3745-2-12	E1	shall	which a TMDL is established.	6111.561	federal	40 CFR 130.7	yes	yes	yes
			Where implementing a TMDL implementation plan will not immediately attain water quality						
			standards, the TMDL implementation plan shall reflect reasonable assurances that water quality	6111.03, 6111.12,					
3745-2-12	E3	shall	standards will be attained in a reasonable period of time.	6111.561	federal	40 CFR 132 Appendix F	yes	yes	yes
			At a minimum, the following factors shall be considered by Ohio EPA in determining the reasonable						
3745-2-12	E3	shall	period of time in which water quality standards will be met:	6111.561	federal	40 CFR 132 Appendix F	yes	yes	yes
			All public records created in the development of the TMDL shall be made available upon request in						
3745-2-12	F	shall	accordance with section 149.43 of the Revised Code.	6111.563	general authority		yes	yes	yes
				6111.03, 6111.12,					
3745-2-12	A2b	require	Provide notice as required in paragraph (A)(2)(a) of this rule to the following stakeholders:	6111.562	state authority		yes	yes	yes
				6111.03, 6111.12,					
3745-2-12	A2c	require	Allow not less than thirty days for input at each stage required in paragraph (A)(2)(a) of this rule.	6111.562	state		yes	yes	yes
			In addition to the information required by rule 3745-49-08 of the Administrative Code, the public	6111.03, 6111.12,					
3745-2-12	A3b	require	notice shall specify both of the following:	6111.563	state		yes	yes	yes
			A modification, other than a modification to a draft or final TMDL consistent with comments	6111.03, 6111.12,					
3745-2-12	A5	require	received, is subject to the requirements in paragraph (A)(3) of this rule.	6111.563			yes		yes
			Where a TMDL is not required by paragraph (A)(1) of this rule or it is not technically feasible to						
			complete development of a TMDL prior to NPDES permit issuance or renewal deadlines for a	6111.03, 6111.12,					
3745-2-12	A6	require	discharge to a TMDL assessment area	6111.563	federal	40 CFR 122.44	yes	yes	yes
		<u>'</u>		6111.03, 6111.12,				ľ	,
3745-2-12	B1j	require	Coordination with other Ohio EPA programs and program requirements.	6111.563			yes		yes
			In addition to the requirements of paragraphs (B)(1) to (B)(10) of this rule, the director shall	6111.03, 6111.12,					
3745-2-12	B11	require	consider and evaluate the factors in divisions (B) and (C) of section 6111.562 of the Revised Code.	6111.563			yes		yes
			Where an assessment and remediation plan meets the requirements of this rule and the public						
			participation requirements applicable to TMDLs, Ohio EPA may use the assessment and	6111.03, 6111.12,					
3745-2-12	E2	require	remediation plan in lieu of a TMDL implementation plan.	6111.563			yes		yes
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			Any part of an assessment and remediation plan that satisfies one or more requirements under Section 303(d) of the act or the act's implementing regulations may be part of a TMDL	6111.03, 6111.12,					
3745-2-12	E2	require	implementation plan.	6111.563			yes		yes
				6111.03, 6111.12,					
3745-2-12	E3e	require	Other requirements for attainment of water quality standards.	6111.563			yes		yes
			The director may apply alternative procedures to determine background concentrations if necessary to account for all conditions considered in the TMDL, including, but not limited to, cases where background concentrations vary substantially with flow such that a background concentration derived in accordance with rule 3745-2-05 of the Administrative code may not be	6111.03, 6111.12,					
3745-2-12	В3	may not	appropriate.	6111.561	federal	40 CFR 132 Appendix F	yes	yes	yes

					Required by State or			Removal would	Requirement on
					Fed Law or general		Federally delegated	require state or	the agency or
OAC Rule #	Paragraph	Restriction	Description/Quotation	Statutory Authority	authority?	If Fed, crosswalk?	program?	federal law change?	director?
			The industrial user annually submits the certification statement required in paragraph (I) of rule 3745-3-06 of						
			the Administrative Code together with any additional information necessary to support the certification						
3745-3-01	N4b	require	statement.	6111.042, 6111.03(P)	federal required	40 CFR 403.3 (v)(2)	yes	yes	no
			The reduction or alteration may be obtained by physical, chemical or biological treatment processes, by BMPs,						
			by pollution prevention alternatives including process changes, material substitutions, improved operating						
			practices and recycling, or by other means, except as prohibited by paragraph (E) of rule 3745-3-09 of the						
3745-3-01	P7	prohibit	Administrative Code.	6111.042, 6111.03(P)	federal required	40 CFR 403.3 (s)	yes	yes	no
3745-3-01	P9b	prohibit	Prohibited discharges established pursuant to rule 3745-3-04 of the Administrative Code.	6111.042, 6111.03(P)	Federal required	40 CFR 403.3 (I)	yes	yes	no
			In accordance with section 6111.032 of the Revised Code, nothing in this chapter shall be interpreted to						
			prevent the director or a POTW from imposing additional or more stringent requirements or standards on any		federal and state	40 CFR 403.4 and ORC			
3745-3-02	D	shall	industrial user pursuant to applicable provisions of law.	6111.042, 6111.03(P)	required	6111.032	yes	yes	yes
			All local laws, regulations, and ordinances shall apply as long as these requirements are as stringent as, or more	:					
3745-3-02	D	shall	stringent than, any requirement set forth in this chapter.	6111.042, 6111.03(P)	federal required	40 CFR 403.4	yes	yes	no
			Any POTW or a combination of POTWs operated by the same public authority shall establish, administer, and						
			enforce a pretreatment program in accordance with 40 C.F.R. 403 and this rule if Ohio EPA does not exercise						
3745-3-03	A	shall	the option to assume local responsibilities as the control authority where any of the following apply	6111.042, 6111.03(P)	federal required	40 CFR 403.8(a)	yes	yes	no
3745-3-03	A2	shall	The director shall consider and base the determination on any of the following:	6111.042, 6111.03(P)	federal required	40 CFR 403.8(a)	yes	yes	yes
			POTWs identified as being required to develop a POTW pretreatment program under paragraph (A) of this rule						
			shall develop and submit such a program for approval as soon as possible, but in no case later than one year						
3745-3-03	В	shall	after written notification from the director of such identification.	6111.042, 6111.03(P)	federal required	40 CFR 403.8(b)	yes	yes	no
			The POTW pretreatment program shall meet the criteria set forth in paragraph (C) of this rule and shall be	, , ,	·	, ,	,		
			administered by the POTW to ensure compliance by industrial users with applicable pretreatment standards						
3745-3-03	В	shall	and requirements.	6111.042, 6111.03(P)	federal required	40 CFR 403.8(b)	yes	yes	no
			The POTW pretreatment program shall meet the criteria set forth in paragraph (C) of this rule and shall be	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			,	1	
			administered by the POTW to ensure compliance by industrial users with applicable pretreatment standards						
3745-3-03	В	shall	and requirements.	6111.042, 6111.03(P)	federal required	40 CFR 403.8(b)	yes	yes	no
07.10.0.00		5.16.1	A POTW pretreatment program shall be based on the following legal authority and include all of the following	011110 11) 0111100(1)	- Cuciai i cquii cu	10 0.11 100.0(0)	700	7 00	
3745-3-03	C	shall	procedures.	6111.042, 6111.03(P)	federal required	40 CFR 403.8(f)	yes	yes	no
37 13 3 03		Silan	procedures.	0111.012, 0111.03(1)	reactarrequirea	10 6111 103.0(1)	763	763	110
3745-3-03	C	shall	These authorities and procedures shall at all times be fully and effectively exercised and implemented.	6111.042, 6111.03(P)	federal required	40 CFR 403.8(f)	yes	yes	no
37 13 3 03		Silan	The POTW shall operate pursuant to legal authority, enforceable in federal, state, or local courts, that	0111.012, 0111.03(1)	reactarrequirea	10 6111 103.0(1)	763	763	110
			authorizes or enables the POTW to enforce the requirements of sections 307(b), 307(c) and 402(b)(8) of the act						
3745-3-03	C1	shall	and any regulation implementing those sections.	6111.042, 6111.03(P)	federal required	40 CFR 403.8(f)(1)	yes	yes	no
3745-3-03	C1	shall	At a minimum, this legal authority shall enable the POTW to take all of the following actions:	6111.042, 6111.03(P)	federal required	40 CFR 403.8(f)(1)	yes	yes	no
3743 3 03	CI	Shan	In the case of industrial users identified as significant under paragraph (S) of rule 3745-3-01 of the	0111.042, 0111.03(1)	reactar required	40 C1 11 403.0(1)(1)	yes	yes	110
			Administrative Code, this control shall be achieved through individual or general control mechanisms issued to						
3745-3-03	C1c	shall	each such user or group of users.	6111.042, 6111.03(P)	federal required	40 CFR 403.8(f)(1)(iii)	VOC	VOC	no
3743-3-03	CIC	Sildii	Both individual and general control mechanisms shall be enforceable and, at a minimum, shall include all of the		rederal required	40 CFN 403.0(1)(1)(III)	yes	yes	110
2745_2 02	C1c	shall	following:		federal required	40 CED 403 0(f)(4)(:::\/D)	) ves	ves	no
3745-3-03	C1c	Stidil	Both individual and general control mechanisms shall be enforceable and, at a minimum, shall include all of the	6111.042, 6111.03(P)	reuerar required	40 CFR 403.8(f)(1)(iii)(B)	) yes	yes	no
2745 2 02	C10	chall		6111.042, 6111.03(P)	fodoral rosuired	40 CED 403 0/£\/4\/;::\/D	Nucc	was	200
3745-3-03	C1c	shall	following:	0111.U42, 0111.U3(P)	federal required	40 CFR 403.8(f)(1)(iii)(B)	) yes	yes	no
2745 2 02	C1 4::	chall	The industrial user shall submit a new request for the waiver before the waiver can be granted for each	6111 042 6114 02/5	fodoral results	40 CED 403 43/-\/3\/''\	wos.	was	200
3745-3-03	C1dii	shall	subsequent control mechanism.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(e)(2)(ii)	yes	yes	no
			In making a demonstration that a pollutant is not present, the industrial user shall provide data from at least						
			one sampling of the facility's process wastewater prior to any treatment present at the facility that is						
3745-3-03	C1diii	shall	representative of all wastewater from all processes.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(e)(2)(iii)	yes	yes	no
			The request for a monitoring waiver shall be signed in accordance with paragraph (F) of rule 3745-3-06 of the						
			Administrative Code, and include the certification statement in paragraph (F)(1) of rule 3745-3-06 of the						
3745-3-03	C1diii	shall	Administrative Code.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(e)(2)(iii)	yes	yes	no
3745-3-03	C1div	shall	The POTW shall include any monitoring waiver as a condition in the industrial user's control mechanism.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(e)(2)(iv)	yes	yes	no
			However, the control mechanism shall still contain a monitoring schedule for the situation described in						
3745-3-03	C1div	shall	paragraph (C)(1)(d)(vii) of this rule.	6111.042, 6111.03(P)	general authority		yes	no	no
			The reasons supporting any monitoring waiver and any information submitted by the user in the request for						
3745-3-03	C1dv	shall	the waiver shall be maintained by the POTW for three years after expiration of the waiver.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(e)(2)(iv)	yes	yes	no

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			Upon approval of the monitoring waiver and revision of the industrial user's control mechanism by the POTW,						
			the industrial user shall certify on each periodic compliance monitoring report required by paragraph (E)(1) of						
3745-3-03	C1dvi	shall	rule 3745-3-06 of the Administrative Code with the following statement	6111.042, 6111.03(P)	federal required	40 CFR 403.12(e)(2)(v)	yes	yes	no
			The POTW shall include provisions within the control mechanism which addresses a situation where a waived						
			pollutant is found to be present or is expected to be present based on changes that occur in the industrial						
3745-3-03	C1dvii	shall	user's operations.	6111.042, 6111.03(P)	general authority		yes	no	no
3745-3-03	C1dvii	shall	In this situation, the user shall be required to immediately meet both of the following:	6111.042, 6111.03(P)	federal required	40 CFR 403.12(e)(2)(vi)	yes	yes	no
			Representatives of the POTW shall be authorized to enter any premises of any industrial user in which a						
			discharge source or treatment system is located or in which records are required to be kept under paragraphs		federal required and				
3745-3-03	C1g	shall	(J) to (M) of rule 3745-3-06 of the Administrative Code to assure compliance with pretreatment standards.	6111.042, 6111.03(P)	state required	40 CFR 403.8(f)(1)(v)	yes	yes	no
			Such authority shall be at least as extensive as the authority provided under section 6111.05 of the Revised						
3745-3-03	C1g	shall	Code.	6111.042, 6111.03(P)	federal required	40 CFR 403.8(f)(1)(v)	yes	yes	no
3745-3-03	C1h	shall	Remedies shall include but are not limited to the following:	6111.042, 6111.03(P)	federal required	40 CFR 403.8(f)(1)(vi)	yes	yes	no
			The POTW shall be able to seek injunctive relief for noncompliance by industrial users with pretreatment						
3745-3-03	C1hi	shall	standards and requirements.	6111.042, 6111.03(P)	federal required	40 CFR 403.8(f)(1)(vi)(A)	) yes	yes	no
			. The POTW shall also have authority to seek or assess civil or criminal penalties in at least the amount of one						
3745-3-03	C1hi	shall	thousand dollars per day for each violation by industrial users of pretreatment standards and requirements.	6111.042, 6111.03(P)	federal required	40 CFR 403.8(f)(1)(vi)(A)	) yes	yes	no
			The POTW shall have authority and procedures, after informal notice to the discharger, immediately and						
			effectively to halt or prevent any discharge of pollutants to the POTW that reasonably appears to present an						
3745-3-03	C1hii	shall	imminent endangerment to the health or welfare of persons.	6111.042, 6111.03(P)	federal required	40 CFR 403.8(f)(1)(vi)(B)	yes	yes	no
			The POTW shall also have authority and procedures, that shall include notice to the affected industrial users						
			and an opportunity to respond, to halt or prevent any discharge to the POTW that presents or may present an						
3745-3-03	C1hiii	shall	endangerment to the environment or that threatens to interfere with the operation of the POTW.	6111.042, 6111.03(P)	federal required	40 CFR 403.8(f)(1)(vi)(B)	) yes	yes	no
			The POTW shall also have authority and procedures, that shall include notice to the affected industrial users						
			and an opportunity to respond, to halt or prevent any discharge to the POTW that presents or may present an						
3745-3-03	C1hiii	shall	endangerment to the environment or that threatens to interfere with the operation of the POTW.	6111.042, 6111.03(P)	federal required	40 CFR 403.8(f)(1)(vi)(B)	) yes	yes	no
			The POTW shall develop and implement procedures to ensure compliance with the requirements of a						
3745-3-03	C2	shall	pretreatment program.	6111.042, 6111.03(P)	federal required	40 CFR 403.8 (f)(2)	yes	yes	no
3745-3-03	C2	shall	At a minimum, these procedures shall enable the POTW to do all of the following:	6111.042, 6111.03(P)	federal required	40 CFR 403.8 (f)(2)	yes	yes	no
			Any compilation, index or inventory of industrial users made under this paragraph shall be made available to						
3745-3-03	C2a	shall	the director upon request.	6111.042, 6111.03(P)	federal required	40 CFR 403.8 (f)(2)(i)	yes	yes	no
3745-3-03	C2b	shall	This information shall be made available to the director upon request.	6111.042, 6111.03(P)	federal required	40 CFR 403.8 (f)(2)(ii)	yes	yes	no
			Where the POTW has authorized the industrial user subject to a categorical pretreatment standard to forgo						
			sampling of a pollutant regulated by a categorical pretreatment standard in accordance with paragraph						
			(C)(1)(d) of this rule, the POTW shall sample for the waived pollutant or pollutants at least once during the tern	ו					
3745-3-03	C2ei	shall	of the categorical industrial user's control mechanism.	6111.042, 6111.03(P)	federal required	40 CFR 403.8 (f)(2)(v)(A)	) yes	yes	no
			In the event that the POTW subsequently determines that a waived pollutant is present or is expected to be						
			present in the industrial user's wastewater based on changes that occur in the user's operations, the POTW						
			shall immediately begin inspecting the user and monitoring the user's discharge at the frequency set by the						
3745-3-03	C2ei	shall	POTW's pretreatment program.	6111.042, 6111.03(P)	federal required	40 CFR 403.8 (f)(2)(v)(A)	) yes	yes	no
			Where the POTW has determined that an industrial user meets the criteria for a non-significant categorical						
			industrial user, the POTW shall evaluate and document, at least once per year, whether the industrial user						
3745-3-03	C2eii	shall	continues to meet the definition in paragraph (N) of rule 3745-3-01 of the Administrative Code.	6111.042, 6111.03(P)	federal required	40 CFR 403.8 (f)(2)(v)(B)	) yes	yes	no
			In the case of mid-tier industrial users subject to reduced reporting requirements under paragraph (E)(2) of rule		,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
			3745-3-06 of the Administrative Code, the POTW shall conduct inspections and randomly sample and analyze						
3745-3-03	C2eiii	shall	the effluent from such users at least once every two years.	6111.042, 6111.03(P)	federal required	40 CFR 403.8 (f)(2)(v)(C)	) yes	yes	no
			If the industrial user no longer meets the definition in paragraph (M) of rule 3745-3-01 of the Administrative		,	.,,,,,			
			Code, the POTW shall immediately begin inspecting the industrial user and monitoring the effluent from the						
3745-3-03	C2eiii	shall	user at the frequency set by the POTW's pretreatment program.	6111.042, 6111.03(P)	federal required	40 CFR 403.8 (f)(2)(v)(C)	) yes	yes	no
			Additional significant industrial users shall be evaluated within one year of being identified as a significant		'	CACACACTA		<u> </u>	
3745-3-03	C2f	shall	industrial user.	6111.042, 6111.03(P)	federal required	40 CFR 403.8 (f)(2)(vi)	yes	yes	no
3745-3-03	C2f	shall	The results of slug discharges shall be made available to the director upon request.	6111.042, 6111.03(P)	federal required		yes	yes	no
			If the POTW or Ohio EPA decides that a slug control plan is needed, the plan shall contain, at a minimum, all of	, : :=:::(: /	- 4.	(-)(-)(-)	i i	,	
3745-3-03	C2f	shall	the following elements:	6111.042, 6111.03(P)	federal required	40 CFR 403.8 (f)(2)(vi)	yes	yes	no
	<u> </u>	5	O classical de la companya de la com	(1)	. zac.a cquii cu	15 5.11 155.5 (1/(2/(41)	11	1,00	1

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			Sample taking and analysis and the collection of other information shall be performed with sufficient care to						
3745-3-03	C2g	shall	produce evidence admissible in enforcement proceedings or in judicial actions.	6111.042, 6111.03(P)	federal required	40 CFR 403.8 (f)(2)(vii)	yes	yes	no
			These procedures shall include provision for at least annual public notification, in at least one newspaper of						
			general circulation that provides meaningful public notice within the jurisdiction served by the POTW, of						
			industrial users that, at any time during the previous twelve months, were in significant noncompliance with						
3745-3-03	C2h	shall	applicable pretreatment standards or other pretreatment requirements.	6111.042, 6111.03(P)	federal required	40 CFR 403.8 (f)(2)(viii)	yes	yes	no
			The POTW shall have sufficient resources and qualified personnel to carry out the authorities and procedures				,	,	
3745-3-03	C3	shall	described in paragraphs (C)(1) and (C)(2) of this rule.	6111.042, 6111.03(P)	federal required	40 CFR 403.8 (f)(3)	yes	yes	no
			The POTW shall develop, update as necessary and enforce technically supported local limits that will protect	, , , , , , , , , , , , , , , , , , , ,		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7	7	
3745-3-03	C4	shall	the POTW against interference and pass through.	6111.042, 6111.03(P)	federal required	40 CFR 403.8 (f)(4)	yes	yes	no
37 13 3 03		Silan	. The POTW may develop BMPs and such BMPs shall be considered local limits and pretreatment standards for	0111.012, 0111.03(1)	reactarrequirea	10 CH 103.0 (1)(1)	763	765	110
3745-3-03	C4	shall	the purpose of this rule upon approval by Ohio EPA.	6111.042, 6111.03(P)	federal required	40 CFR 403.5(c)(4)	yes	yes	no
3745-3-03	C5	shall	The POTW shall develop and implement an enforcement response plan.	6111.042, 6111.03(P)	federal required	40 CFR 403.8(f)(5)	yes	yes	no
3743-3-03	C3	Silali		0111.042, 0111.03(P)	lederal required	40 CFN 403.8(1)(3)	yes	yes	110
2745 2 02	CF.	-h - II	This plan shall contain detailed procedures indicating how a POTW will investigate and respond to instances of	C444 042 C444 02(D)	fadand naminad	40 CED 402 O(f)/F)			
3745-3-03	C5	shall	industrial user noncompliance.	6111.042, 6111.03(P)	federal required	40 CFR 403.8(f)(5)	yes	yes	no
3745-3-03	C5	shall	The plan shall detail the following, at a minimum:	6111.042, 6111.03(P)	federal required	40 CFR 403.8(f)(5)	yes	yes	no
			The POTW shall prepare and maintain a list of the POTW's industrial users, as defined in rule 3745-3-01 of the						
3745-3-03	C6	shall	Administrative Code.	6111.042, 6111.03(P)	federal required	40 CFR 403.8(f)(6)	yes	yes	no
3745-3-03	C6	shall	The list shall conform to both of the following:	6111.042, 6111.03(P)	federal required	40 CFR 403.8(f)(6)	yes	yes	no
			Any modification to the list shall be submitted to the director in the POTW's annual report, pursuant to						
3745-3-03	C6b	shall	paragraph (J) of this rule.	6111.042, 6111.03(P)	federal required	40 CFR 403.8(f)(6)	yes	yes	no
						40 CFR			
3745-3-03	C7a	shall	Each user in the group shall meet all of the following requirements:	6111.042, 6111.03(P)	federal required	403.8(f)(1)(iii)(A)(1)	yes	yes	no
			The POTW shall retain a copy of the general control mechanism, documentation to support the POTW's						
			determination that a specific significant industrial user meets the criteria in paragraphs (C)(7)(a)(i) to						
			(C)(7)(a)(iv) of this rule, and a copy of the user's written request for coverage for three years after the			40 CFR			
3745-3-03	C7c	shall	expiration of the general control mechanism.	6111.042, 6111.03(P)	federal required	403.8(f)(1)(iii)(A)(2)	yes	yes	no
				, , , ,	'		,	,	
			The POTW shall not control a significant industrial user through a general control mechanism where the user is						
			subject to production-based categorical pretreatment standards or categorical pretreatment standards						
			expressed as mass of pollutant discharged per day or for industrial users whose limits are based on the			40 CFR			
3745-3-03	C7d	shall not	combined wastestream formula or net/gross calculations in 40 C.F.R. 403.6(e) and 40 C.F.R. 403.15.	6111.042, 6111.03(P)	federal required	403.8(f)(1)(iii)(A)(2)	yes	yes	no
3743 3 03	C7G	Shall flot	The POTW shall maintain records of all information resulting from any monitoring activities, regardless of	0111.042, 0111.03(1)	reactarrequirea	403.0(1)(1)(11)(11)(14)(2)	yes	yes	110
			whether such monitoring activities were required by this chapter, including documentation associated with						
3745-3-03	C8	shall	BMPs.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(o)(2)	yes	yes	no
3743-3-03	Co	Silali	DIVIT 3.	0111.042, 0111.03(1)	icuciai icquiicu	40 CH ( 403.12(0)(2)	yes	yc3	110
3745-3-03	C8	shall	Such records shall be retained for a minimum of three years and shall include the following for all samples:	6111.042, 6111.03(P)	federal required	40 CFR 403.12(o)(2)	voc	vos	no
3743-3-03	Co	Silali	Such records shall be retained for a minimum of three years and shall include the following for all samples.	0111.042, 0111.03(F)	leuerai requireu	40 CFN 403.12(0)(2)	yes	yes	110
2745 2 02	CO	ahall	Cuels as a suite a health of a state and form a resistance and sheet and sheet the state of the	C111 042 C111 02/D)	fodovol voguinod	40 CED 402 12(a)(1)			
3745-3-03	C8	shall	Such records shall be retained for a minimum of three years and shall include the following for all samples:	6111.042, 6111.03(P)	federal required	40 CFR 403.12(o)(1)	yes	yes	no
			In addition to the requirements in paragraph (C)(8) of this rule, the POTW shall retain all of the following for a	S.1.1.0.10 S.1.1.00(D)	federal required /	10.055.100.10/.\/0\			
3745-3-03	C9	shall	minimum of three years:	6111.042, 6111.03(P)	general authority	40 CFR 403.12(o)(3)	yes	yes	no
2745 2 22	D4		A POTW requesting approval of a POTW pretreatment program shall develop a program description that	6444 049 644 5 554		40.050.400.07.5			
3745-3-03	D1	shall	includes the information set forth in paragraph (D)(2) of this rule.	6111.042, 6111.03(P)	federal required	40 CFR 403.9(a)	yes	yes	no
			. This description shall be submitted to the director who will make a determination on the request for program						
			approval in accordance with the procedures described in Chapters 3745. and 119. of the Revised Code, and						
3745-3-03	D1	shall	Chapters 3745-47 and 3745-49 of the Administrative Code.	6111.042, 6111.03(P)	federal required	40 CFR 403.9(a)	yes	yes	no
3745-3-03	D2	shall	The program description shall contain, at a minimum, the following information:	6111.042, 6111.03(P)	federal required	40 CFR 403.9(b)	yes	yes	no
3745-3-03	D2a	shall	This statement shall identify all of the following:	6111.042, 6111.03(P)	federal required	40 CFR 403.9(b)(1)	yes	yes	no
			This submission shall include a statement reflecting the endorsement or approval of the local boards or bodies						
3745-3-03	D2b	shall	responsible for supervising and funding the POTW pretreatment program if approved.	6111.042, 6111.03(P)	federal required	40 CFR 403.9(b)(2)	yes	yes	no
			The POTW shall submit a pretreatment program modification request to the director for any modification to			40 CFR 403.18 (c) and			
3745-3-03	E1	shall	the POTW's pretreatment program at least forty-five days prior to when it is to be implemented by the POTW.	6111.042, 6111.03(P)	federal required	(d)	yes	yes	no
3745-3-03	E1a	shall	At a minimum, a pretreatment program modification request shall contain the following:	6111.042, 6111.03(P)	federal required	40 CFR 403.18 (c)(1)	yes	yes	no
	-		If the director determines that a modification is a substantial modification, then the POTW shall obtain the	, , , , , , , , , , , , , , , , , , , ,		(-/(-/		1	
3745-3-03	E1b	shall	director's approval prior to the implementation of the modification.	6111.042, 6111.03(P)	federal required	40 CFR 403.18(c)(2)	yes	yes	no
2. 13 3 33		511011	The director shall determine if a modification request is nonsubstantial or substantial based on the criteria in	0211.0 (2, 0111.03(1)	. cacrai requirea	.5 6111 105.10(0)(2)	1-5	1,55	
3745-3-03	E1b	shall	paragraph (E)(2) of this rule.	6111.042, 6111.03(P)	general authority		VAS	no	VAS
3143-3-03	LTD	SHAII	paragraph (E/(2) of this fale.	0111.042, 0111.03(P)	Beneral authority		yes	Ino	yes

			When approving or disapproving a modification request, the director shall follow the procedures in paragraphs						
3745-3-03	E1b	shall	(F) and (G) of this rule.	6111.042, 6111.03(P)	federal required	40 CFR 403.18(c)(2)	yes	no	yes
			The director shall approve or disapprove the modification based on the requirements in paragraph (C) of this						
			rule, and using the procedures in Chapters 3745. and 119. of the Revised Code, and Chapters 3745-47 and 3745						
3745-3-03	F1	shall	49 of the Administrative Code.	6111.042, 6111.03(P)	federal required	40 CFR 403.18(c)(2)	yes	yes	yes
3745-3-03	F1	shall	The modification shall become effective upon approval by the director.	6111.042, 6111.03(P)	federal required	40 CFR 403.18(c)(2)	yes	yes	no
			The POTW shall notify the director of any nonsubstantial modification at least forty-five days prior to						
3745-3-03	G1	shall	implementation by the POTW in accordance with the provisions of paragraph (E)(1) of this rule.	6111.042, 6111.03(P)	federal required	40 CFR 403.18(d)(1)	yes	yes	no
			All program modifications shall be incorporated into the POTW's NPDES permit or NPDES permits upon						
3745-3-03	H	shall	approval.	6111.042, 6111.03(P)	federal required	40 CFR 403.18(e)	yes	yes	no
			The director may revoke a POTW's pretreatment program prescribed under paragraphs (A) and (B) of this rule						
			if the director determines that such a program is no longer necessary. Prior to revoking a program, the director						
3745-3-03	l	shall	shall consider and base the determination on all of the following:	6111.042, 6111.03(P)	general authority		yes	no	no
			Any POTW that has a pretreatment program shall provide the director with a report that describes the POTW's						
			program activities, including activities of all participating agencies if more than one jurisdiction is involved in						
3745-3-03	J	shall	the local program.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(i)	yes	yes	no
			The report required by this paragraph shall be submitted to the director annually as specified in the POTW's						
3745-3-03	J	shall	NPDES permit.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(i)	yes	yes	no
3745-3-03	J	shall	The report shall contain such information as the director deems necessary.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(i)	yes	yes	no
			These reports shall be signed by a principal executive officer, ranking elected official or other duly authorized						
3745-3-03	J1	shall	employee.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(m)	yes	yes	no
			The duly authorized employee shall be an individual or position having responsibility for the overall operation						
3745-3-03	J1	shall	of the facility or the pretreatment program.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(m)	yes	yes	no
			This authorization shall be made in writing by the principal executive officer or ranking elected official, and						
3745-3-03	J1	shall	submitted to the director prior to or together with the report being submitted.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(m)	yes	yes	no
3745-3-03	J2	shall	These reports shall be maintained in accordance with paragraphs (C)(8) to (C)(10) of this rule.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(o)(2)	yes	yes	no
			) No POTW shall authorize or otherwise allow an industrial user to discharge pollutants to the POTW in						
3745-3-03	K	shall	violation of pretreatment standards established in this chapter.	6111.042, 6111.03(P)	general authority		yes	no	no
			This provision shall not be interpreted to prevent a POTW from adopting or enforcing a pretreatment standard						
3745-3-03	K	shall not	that is more stringent than provided in this chapter.	6111.042, 6111.03(P)	general authority		yes	no	no
			In performing the review and final action on permits to install for indirect discharges by industrial users of the						
			treatment works or sewerage system, the municipal corporation, county, or special district shall apply criteria						
3745-3-03	L1	shall	and procedures specified by the director.	6111.042, 6111.03(P)	general authority		yes	no	no
			This provision shall not be interpreted to prevent a municipal corporation, county, or special district from						
3745-3-03	L1	shall not	applying criteria or procedures that are more stringent than specified by the director.	6111.042, 6111.03(P)	federal required	40 CFR 403.4	yes	no	no
			A municipal corporation, county, or special district that owns or operates a POTW or sewerage system that has						
			an approved pretreatment program requesting authorization to review and take final action on industrial						
			permits to install for indirect discharges by industrial users of the treatment works or sewerage system shall						
3745-3-03	L2	shall	submit the request in accordance with the procedures described in paragraph (E) of this rule.	6111.042, 6111.03(P)			yes	no	no
3745-3-03	L2	shall	Information to be submitted with the request shall be determined by the director.	6111.042, 6111.03(P)	general authority		yes	no	no
			POTWs administering an approved pretreatment program shall retain all records of pretreatment program						
			modification requests, pretreatment program submissions, and control mechanisms and pollution prevention						
			alternatives (i.e. slug control plan, toxic organic management plan) for as long as these documents are		general authority and				
3745-3-03	M	shall	effective.	6111.042, 6111.03(P)	federal required	40 CFR 403.12 (o)	yes	no	no
			Outdated versions of these documents shall be maintained for at least three years after the date on which the						
3745-3-03	M	shall	documents became ineffective.	6111.042, 6111.03(P)	general authority		yes	no	no
3745-3-03	M	shall	The POTW shall make such records available for inspection and copying by the director.	6111.042, 6111.03(P)	general authority		yes	no	no
			The period of retention shall be extended during the course of any unresolved litigation regarding the						
2745 2 22			discharge of pollutants by the industrial user or the operation of the POTW pretreatment program or when	C444 040 044 == '= '	1				
3745-3-03	M	shall	requested by the director.	6111.042, 6111.03(P)	general authority		yes	no	no
			POTWs identified as being required to develop a POTW pretreatment program under paragraph (A) of this rule						
2745 2 22			shall develop and submit such a program for approval as soon as possible, but in no case later than one year	C444 040 C111 00/='		40.0FP 403.0/L)			
3745-3-03	B	require	after written notification from the director of such identification.	6111.042, 6111.03(P)	federal required	40 CFR 403.8(b)	yes	yes	no
3745-3-03	C1b	require	Require compliance with applicable pretreatment standards and requirements by industrial users.	6111.042, 6111.03(P)	federal required	40 CFR 403.8(f)(1)(iii)	yes	yes	no
			Upon approval of the monitoring waiver and revision of the industrial user's control mechanism by the POTW,						
			the industrial user shall certify on each periodic compliance monitoring report required by paragraph (E)(1) of						
3745-3-03	C1dvi	require	rule 3745-3-06 of the Administrative Code with the following statement:	6111.042, 6111.03(P)	federal required	40 CFR 403.12(e)(2)(v)	yes	yes	no
						10.000 100 101 1101 11			
3745-3-03	C1dvii	require	In this situation, the user shall be required to immediately meet both of the following:	6111.042, 6111.03(P)	federal required	40 CFR 403.12(e)(2)(vi)	yes	yes	no

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			Comply with the monitoring requirements specified in the POTW's pretreatment program and control						
745-3-03	C1dviib	require	mechanism, as required by paragraphs (C)(1)(c)(iv) and (C)(1)(d)(iv) of this rule.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(e)(2)(vi)	yes	yes	no
			Require the development of a compliance schedule by each industrial user for the installation of technology	6111 010 6111 00(5)		10.055 100.0(5)(1)(1)			
3745-3-03	C1e	require	required to meet applicable pretreatment standards and requirements.	6111.042, 6111.03(P)	federal required	40 CFR 403.8(f)(1)(iv)	yes	yes	no
2745 2 02	C1 -		Require the development of a compliance schedule by each industrial user for the installation of technology	(111 012 (111 02/5)	fordered as envised	40 CED 402 O(f)(4)(;;;)			
3745-3-03	C1e	require	required to meet applicable pretreatment standards and requirements.	6111.042, 6111.03(P)	federal required	40 CFR 403.8(f)(1)(iv)	yes	yes	no
			Require the submission of all notices and self-monitoring reports from industrial users as are necessary to						
			assess and assure compliance by industrial users with pretreatment standards and requirements, including but						
3745-3-03	C1f	require	not limited to the reports required in rule 3745-3-06 of the Administrative Code.	6111.042, 6111.03(P)	federal required	40 CFR 403.8(f)(1)(iv)	yes	VOC	no
3743-3-03	CII	require	not innited to the reports required in rule 5745-5-00 of the Administrative code.	0111.042, 0111.03(F)	rederar required	40 CFK 403.8(1)(1)(1V)	yes	yes	110
			Require the submission of all notices and self-monitoring reports from industrial users as are necessary to						
			assess and assure compliance by industrial users with pretreatment standards and requirements, including but						
3745-3-03	C1f	require	not limited to the reports required in rule 3745-3-06 of the Administrative Code.	6111.042, 6111.03(P)	federal required	40 CFR 403.8(f)(1)(iv)	yes	yes	no
				.,,	i cara i caquin cu		100	7-2-	
			Representatives of the POTW shall be authorized to enter any premises of any industrial user in which a						
			discharge source or treatment system is located or in which records are required to be kept under paragraphs						
3745-3-03	C1g	require	(J) to (M) of rule 3745-3-06 of the Administrative Code to assure compliance with pretreatment standards.	6111.042, 6111.03(P)	federal required	40 CFR 403.8(f)(1)(v)	yes	yes	no
	_	·			·				
			Investigate instances of noncompliance with pretreatment standards and requirements, as indicated in the						
			reports and notices required under rule 3745-3-06 of the Administrative Code or indicated by analysis,						
3745-3-03	C2g	require	inspection, and surveillance activities described in paragraph (C)(2)(e) of this rule.	6111.042, 6111.03(P)	federal required	40 CFR 403.8(f)(1)(vii)	yes	yes	no
			A POTW is not required to provide this public notice if there were no industrial users in significant						
3745-3-03	C2h	require	noncompliance at any time during the previous twelve months.	6111.042, 6111.03(P)	general authority		yes	no	no
			Failure to provide, within forty-five days after the due date, required reports such as baseline monitoring						
			reports, ninety-day compliance reports, periodic self-monitoring reports, reports on compliance with						
3745-3-03	C2hvi	require	compliance schedules, or any other reports required by the control authority.	6111.042, 6111.03(P)	federal required	40 CFR 403.8(f)(2)(viii)	yes	yes	no
			Failure to provide, within forty-five days after the due date, required reports such as baseline monitoring						
			reports, ninety-day compliance reports, periodic self-monitoring reports, reports on compliance with						
3745-3-03	C2hvi	require	compliance schedules, or any other reports required by the control authority.	6111.042, 6111.03(P)	general authority		yes	no	no
						40 CFR			
3745-3-03	C7aiii	require	Require the same effluent limitations	6111.042, 6111.03(P)	federal required	403.8(f)(1)(iii)(A)(1)(iii)	yes	yes	no
						40 CFR			
3745-3-03	C7aiv	require	Require the same or similar monitoring.	6111.042, 6111.03(P)	federal required	403.8(f)(1)(iii)(A)(1)(iv)	yes	yes	no
			To be covered by a general control mechanism, the significant industrial user shall be required to file a written						
			request for coverage that identifies the user's contact information, the user's production processes, the types						
			of wastes generated, the location for monitoring all wastes covered by the general control mechanism, any requests in accordance with paragraph (C)(1)(d) of this rule for a monitoring waiver for a pollutant neither			40 CFR			
2745 2 02	C7h	roquiro		6111 042 6111 02/0)	fodoral required		was.		
3745-3-03	C7b	require	The POTW shall maintain records of all information resulting from any monitoring activities, regardless of	6111.042, 6111.03(P)	federal required	403.8(f)(1)(iii)(A)(2)	yes	yes	no
			whether such monitoring activities were required by this chapter, including documentation associated with						
3745-3-03	C8	require	BMPs.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(o)	yes	yes	no
3743 3 03		require	DIVI 3.	0111.042, 0111.03(1)	reactarrequirea	40 CI N 403.12(0)	yes	yes	110
3745-3-03	C10	require	A POTW that chooses to receive electronic documents is required to satisfy the requirements in 40 C.F.R. part 3	6111.042. 6111.03(P)	federal required	40 CFR 403.12(r)	yes	yes	no
3745-3-03	E2d	require	A decrease in the frequency of self-monitoring or reporting required of industrial users.	6111.042, 6111.03(P)	federal required	40 CFR 403.18(b)(4)	yes	yes	no
			A request for this authorization is not required when implementing a monitoring waiver allowed by an	.,,	i cara i caquin cu		100	7-2-	
3745-3-03	E2k	require	applicable categorical pretreatment standard.	6111.042, 6111.03(P)	general authority		yes	no	no
		- 1	Notices required by 40 C.F.R. 403.11 may be performed by the POTW provided that the POTW notice otherwise		0		1		
3745-3-03	F2	require	satisfies the requirements of 40 C.F.R. 403.11.	6111.042, 6111.03(P)	federal required	40 CFR 403.18(c)(4)	yes	yes	no
		·	The report required by this paragraph shall be submitted to the director annually as specified in the POTW's		·				
3745-3-03	J	require	NPDES permit.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(i)	yes	yes	no
			The director may require, as an NPDES permit condition or otherwise, electronic submittal of these reports		federal required /				
3745-3-03	J3	require	using information systems compatible with those of Ohio EPA.	6111.042, 6111.03(P)	general authority	40 CFR 403.12(i)	yes	yes	no
						40 CFR			
3745-3-03	C1cv	may not	Such schedules may not extend the compliance date beyond applicable federal deadlines.	6111.042, 6111.03(P)	federal required	403.8(f)(1)(iii)(B)(5)	yes	yes	no

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2745 2 04		-b11+	Pollutants introduced into POTWs by an industrial user shall not pass through the POTW or interfere with the	C111 012 C111 02/D)	fadamil na mitua d	40 CED 403 E(-)			
3745-3-04	A	shall not	operation or performance of the POTW.	6111.042, 6111.03(P)	federal required	40 CFR 403.5(a)	yes	yes	no
3745-3-04	В	shall not	The following described substances shall not be introduced into a POTW:	6111.042, 6111.03(P)	federal required	40 CFR 403.5(b)	yes	yes	no
3745-3-04	C	shall	No industrial user shall discharge any pollutant in violation of applicable pretreatment standards.	6111.042, 6111.03(P)	general authority		yes	no	no
			) In cases where pollutants contributed by an industrial user may result or have resulted in interference or pass						
			through of the POTW and such violation is likely to recur, the director may require POTWs that are not required						
			to develop a pretreatment program pursuant to paragraph (A) of rule 3745-3-03 of the Administrative Code, to						
			develop and enforce BMPs and specific technically supported effluent limits for an industrial user, and all other						
			users, as appropriate, that, together with appropriate changes in the POTW treatment plant's facilities or						
			operation, are necessary to ensure renewed and continued compliance with the POTW's NPDES permit, or						
3745-3-04	D	require	sludge use or disposal practices.	6111.042, 6111.03(P)	federal required	40 CFR 403.5(c)(2)	yes	yes	no
			) In cases where pollutants contributed by an industrial user may result or have resulted in interference or pass						
			through of the POTW and such violation is likely to recur, the director may require POTWs that are not required						
			to develop a pretreatment program pursuant to paragraph (A) of rule 3745-3-03 of the Administrative Code, to						
			develop and enforce BMPs and specific technically supported effluent limits for an industrial user, and all other						
			users, as appropriate, that, together with appropriate changes in the POTW treatment plant's facilities or						
			operation, are necessary to ensure renewed and continued compliance with the POTW's NPDES permit, or						
3745-3-04	D	require	sludge use or disposal practices.	6111.042, 6111.03(P)	federal required	40 CFR 403.5(c)(2)	yes	yes	no
		·	All industrial users discharging to a POTW administering an approved pretreatment program shall notify the	, ,		, , , ,	,	,	
			POTW immediately of all discharges that could cause problems to the POTW, including any slug loading, as						
3745-3-05	A	shall	defined in paragraph (S) of rule 3745-3-01 of the Administrative Code.	6111.042, 6111.03(P)	federal required	403.12(f)	yes	yes	no
			The industrial user shall immediately notify the POTW upon discovery of any slug load by completing the		general authority/	(.)	755	7	1
3745-3-05	Δ	shall	following:	6111.042, 6111.03(P)	federal required	40 CFR 403.12 (f)	yes	no	no
37 13 3 03		Silan		0111.012, 0111.03(1)	reactarrequirea	10 6111 103.12 (1)	703	110	110
			If the discharge is to a POTW administering an approved POTW pretreatment program, the industrial user shall						
3745-3-05	A1	shall	follow the notification procedure specified in the POTW's approved pretreatment program.	6111.042, 6111.03(P)	general authority		yes	no	no
3743-3-03	AI	Silali	If the discharge is to a POTW that is not administering an approved pretreatment program, the industrial user	0111.042, 0111.03(F)	general authority/	40 CFR 403.16(c)(3) and		110	110
3745-3-05	A2	shall	shall notify the POTW and Ohio EPA and provide all of the following information:	6111.042, 6111.03(P)	federal required	403.17 (c)(2)		no	no
3743-3-03	AZ	Silali		0111.042, 0111.03(P)	·	40 CFR 403.16(c)(3) and	yes	no	no
2745 2 05	4.2	-111	Within five business days of the date that the slug load occurred, a written report containing the information	C111 012 C111 02/D)	federal required /				
3745-3-05	A3	shall	required by paragraph (A)(2) of this rule shall be filed with the POTW.	6111.042, 6111.03(P)	general authority	403.17 (c)(2)	yes	yes	no
			If Ohio EPA is the control authority, the industrial user shall also submit this report to the appropriate district	C111 010 C111 00(D)					
3745-3-05	A3	shall	office of Ohio EPA within the same time period.	6111.042, 6111.03(P)	general authority		yes	no	no
			A significant industrial user determined by the control authority to need a slug control plan shall maintain						
			posted signs in conspicuous places that are acceptable to the control authority, advising employees whom to						
3745-3-05	С	shall	call in the event of a slug load discharge.	6111.042, 6111.03(P)	general authority		yes	no	no
			The signs shall instruct all employees who may cause or discover such a discharge with respect to the						
3745-3-05	С	shall	notification procedure required by this rule.	6111.042, 6111.03(P)	general authority		yes	no	no
			Within five business days of the date that the slug load occurred, a written report containing the information						
3745-3-05	A3	require	required by paragraph (A)(2) of this rule shall be filed with the POTW.	6111.042, 6111.03(P)	general authority		yes	no	no
			The control authority may require industrial users to develop a slug control plan, pursuant to paragraph						
3745-3-05	В	require	(C)(2)(f) of rule 3745-3-03 of the Administrative Code.	6111.042, 6111.03(P)	general authority		yes	no	no
			The signs shall instruct all employees who may cause or discover such a discharge with respect to the						
3745-3-05	С	require	notification procedure required by this rule.	6111.042, 6111.03(P)	general authority		yes	no	no
			The baseline report shall include the following contents, as applicable, and be submitted to the control						
3745-3-06	B1	shall	authority by the corresponding deadline:	6111.042, 6111.03(P)	federal required	40 CFR 403.12(b)	yes	yes	no
			Existing industrial users subject to such categorical standards and currently discharging to, or intending to						
			discharge to a POTW shall submit to the control authority a baseline report which contains the information						
3745-3-06	B1a	shall	listed in paragraphs (C)(1) to (C)(8) of this rule.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(b)	yes	yes	no
			The industrial user shall submit this information to the control authority within one hundred eighty days after	, ,		,,,			
			the effective date of a categorical pretreatment standard, or one hundred eighty days after the final						
			administrative decision made upon a category determination submission under paragraph (H) of rule 3745-3-						
3745-3-06	B1a	shall	09 of the Administrative Code, whichever is later.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(b)	yes	yes	no
	-		New sources, and sources that become industrial users subsequent to the promulgation of an applicable	, , , , , , , , , , , , , , , , , , , ,				1,	-
			categorical standard, shall be required to submit to the control authority a report which contains the						
			information listed in paragraphs (C)(1) to (C)(6) of this rule at least ninety days prior to commencement of						
2745-2-06	R1h	shall		6111 042 6111 02/0	federal required	40 CFR 403.12(b)	vec	vec	no
3745-3-06	B1b	shall	discharge.  New sources shall also be required to include in this report information on the method of pretreatment the	6111.042, 6111.03(P)	federal required	40 CFN 403.12(D)	yes	yes	no
2745 2 00	D1h	ah all	·	(111 042 (111 02/5)	fodovol vocuterad	40 CED 402 42/5)			
3745-3-06	B1b	shall	source intends to use to meet applicable pretreatment standards.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(b)	yes	yes	110

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3745-3-06	B1b	shall	New sources shall give estimates of the information requested in paragraphs (C)(4) and (C)(5) of this rule.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(b)	yes	yes	no
			Where the industrial user's categorical pretreatment standard has been modified by a removal allowance,						
			fundamentally different factor variance, or the combined wastestream formula under paragraph (I)(1) of rule						
			3745-3-09 of the Administrative Code, at the time the user submits the baseline report the information						
3745-3-06	B2	shall	required by paragraphs (C)(6) and (C)(7) of this rule shall pertain to the modified limits.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(b)(7)(i)	yes	yes	no
			If the applicable categorical pretreatment standard is modified by a removal allowance, fundamentally						
			different factor variance, or the combined wastestream formula under paragraph (I)(1) of rule 3745-3-09 of the						
			Administrative Code after the user submits the baseline report, any necessary amendments to the information						
			requested by paragraphs (C)(6) and (C)(7) of this rule shall be submitted by the user to the control authority						
3745-3-06	В3	shall	within sixty days after the modified limit is approved.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(b)(7)	yes	yes	no
3745-3-06	С	shall	The baseline report required by paragraph (B) of this rule shall contain all of the following information:	6111.042, 6111.03(P)	federal required	40 CFR 403.12(b)	yes	yes	no
		l	This description shall include a schematic process diagram which indicates points of discharge to the POTW						
3745-3-06	C3	shall shall	from the regulated processes.	6111.042, 6111.03(P)	federal required	40 cfr 403.12(b)(3)	yes	no	no
3745-3-06	C5a	Shaii	The user shall identify the pretreatment standards applicable to each regulated process.  The user shall submit the results of sampling and analysis identifying the nature and concentration (or mass,	6111.042, 6111.03(P)	federal required	40 CFR 403.12(b)(5)(i)	yes	yes	no
			where required by the standard or control authority) of regulated pollutants in the discharge from each						
3745-3-06	C5b	shall	regulated process.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(b)(5)(ii)	ves	yes	no
0.1.5 5 55	002	- Januari	i againted processi	01110 12) 0111100(1)	reactar required		700	1,00	
3745-3-06	C5b	shall	Both daily maximum and average concentration (or mass, where required) shall be reported.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(b)(5)(ii)	yes	yes	no
3745-3-06	C5b	shall	The sample shall be representative of daily operations.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(b)(5)(ii)	yes	yes	no
			In cases where the standard requires compliance with a BMP or a pollution prevention alternative, the						
			industrial user shall submit documentation as required by the control authority or the applicable standards to						
3745-3-06	C5b	shall	determine compliance with the standard.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(b)(5)(ii)	yes	yes	no
3745-3-06	C5c	shall	The user shall take a minimum of one representative sample from each sampling location, as approved by the control authority, to comply with the requirements of this paragraph.	6111.042, 6111.03(P)	federal required / general authority	40 CED 402 12/b\/E\/;;;)	wos	wor	no
3745-3-00	CSC	Silali	control authority, to comply with the requirements of this paragraph.	6111.042, 6111.03(P)	general authority	40 CFR 403.12(b)(5)(iii)	yes	yes	no
3745-3-06	C5d	shall	Sampling and analyses shall be performed in accordance with paragraph (G) of this rule.	6111.042, 6111.03(P)	federally required	40 cfr 403.12 (g) and (b)	) yes	no	no
3745-3-06	C5e	shall	The baseline report shall indicate the time, date and place, of sampling, and methods of analysis.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(b)(5)(vii)	yes	yes	no
			The completion date in this schedule shall not be later than the compliance date established for the applicable	, ,			,	,	
3745-3-06	C8	shall not	pretreatment standard.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(b)(7)	yes	yes	no
			The schedule required by paragraph (C)(8) of this rule shall contain increments of progress in the form of dates						
			for the commencement and completion of major events leading to the construction and operation of additional pretreatment required for the industrial user to meet the applicable categorical pretreatment						
			standards (e.g., hiring an engineer, completing preliminary plans, completing final plans, executive contract for						
3745-3-06	C9	shall	major components, commencing construction, completing construction, etc).	6111.042, 6111.03(P)	federal required	40 CFR 403.12(c)(1)	yes	yes	no
3745-3-06	C9	shall	No increment shall exceed nine months.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(c)(2)	yes	yes	no
				, ,					
			Not later than fourteen days following each date in the schedule required by paragraph (C)(8) of this rule and						
			the date for final compliance with the applicable categorical pretreatment standard or standards, the industrial						
			user shall submit a progress report to the control authority including, at a minimum, whether or not						
			compliance with the increment of progress has been met on such date and, if not, the date on which						
2745 2.00	C10	ah all	compliance with this increment of progress is expected, the reason for delay, and the steps being taken by the	C111 042 C111 02/D)	fodovol voguinod	40 CED 402 42/a//2/			
3745-3-06	C10	shall	industrial user to return the construction to the schedule established.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(c)(3)	yes	yes	no
3745-3-06	C10	shall	In no event shall more than nine months elapse between such progress reports to the control authority.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(c)(3)	yes	yes	no
			Wishin which, done fallowing the date for final consultance with a will be a transit of contract of the second						
			Within ninety days following the date for final compliance with applicable categorical pretreatment standards or, in the case of a new source, following commencement of the introduction of wastewater into the POTW,						
			any industrial user subject to categorical pretreatment standards shall submit to the control authority a report						
3745-3-06	D	shall	containing the information described in paragraphs (C)(4) to (C)(7) of this rule.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(d)	yes	yes	no
		5	For industrial users subject to equivalent mass or concentration limits established by the control authority in		. suc. a. required		,,,,,	,	
			accordance with the procedures in paragraph (I) of rule 3745-3-09 of the Administrative Code, this report shall						
3745-3-06	D	shall	contain a reasonable measure of the user's long-term production rate.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(d)	yes	yes	no
		-		. —		. —			

		•		1	_	1		1	T
			For all other industrial users subject to categorical pretreatment standards expressed in terms of allowable						
			pollutant discharge per unit of production (or other measure of operation), this report shall include the user's						
3745-3-06	D	shall	actual production during the appropriate sampling period.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(d)	yes	yes	no
			Significant industrial users subject to pretreatment standards after the compliance date of such pretreatment						
			standard, or, in the case of a new source, after commencement of the discharge into the POTW, shall submit a						
			periodic compliance monitoring report to the control authority during the months of June and December,						
			unless required more frequently or during different months by the categorical pretreatment standard or the			40 CFR 403.12(e)(1) &			
3745-3-06	E1	shall	control authority.	6111.042, 6111.03(P)	federal required	(h)	yes	yes	no
						40 CFR 403.12(e)(1) &			
3745-3-06	E1	shall	The periodic compliance monitoring report shall include all of the following information:	6111.042, 6111.03(P)	federal required	(h)	yes	yes	no
			For industrial users granted a monitoring waiver by the control authority, the periodic compliance report shall						
			include the signed certification requirements specified in paragraph (C)(1)(d) of rule 3745-3-03 of the						
3745-3-06	E1g	shall	Administrative Code, as well as the certification requirements specified in paragraph (F) of this rule.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(e)(2)(v)	yes	yes	no
			If the control authority includes this condition within an industrial user's control mechanism, both of the						
3745-3-06	E2	shall	following conditions shall be met:	6111.042, 6111.03(P)	federal required	40 CFR 403.12(e)(3)	yes	yes	no
			The industrial user shall notify the control authority immediately of any changes at the facility causing the user						
3745-3-06	E2a	shall	to no longer meet conditions in paragraph (M) of rule 3745-3-01 of the Administrative Code.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(e)(3)(iv)	yes	yes	no
			Upon notification, the industrial user shall immediately begin complying with the minimum reporting						
3745-3-06	E2a	shall	requirement specified in the POTW's pretreatment program.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(e)(3)(iv)	yes	yes	no
			The control authority shall retain documentation to support the determination that an industrial user meets						
			the definition of a mid-tier categorical industrial user in paragraph (M) of rule 3745-3-01 of the Administrative						
3745-3-06	E2b	shall	Code for a period of three years after the expiration of the control mechanism.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(e)(3)(v)	yes	yes	no
			To implement this option, a TOMP shall be submitted to the control authority for review and approval and shall		federal required /	40 CFR 413.03, 433.12,			
3745-3-06	E3a	shall	include the following information.	6111.042, 6111.03(P)	general authority	469.13	yes	yes	no
			To implement this option, a TOMP shall be submitted to the control authority for review and approval and shall		federal required /	40 CFR 413.03, 433.12,	,		
3745-3-06	E3a	shall	include the following information.	6111.042, 6111.03(P)	general authority	469.13	yes	yes	no
3745-3-06	E3a	shall	If requested information is not applicable, an explanation shall be included in the plan.	6111.042, 6111.03(P)	general authority		yes	no	no
3745-3-06	E3ai	shall	Organic constituents of trade name products shall be obtained from the supplier.	6111.042, 6111.03(P)	general authority		ves	no	no
07.000	250.	5	- Same constituents of trade name products shall be obtained from the supplied.	011110 12) 0111100(1)	Berneral dutilionery		700		
			Once pollution prevention options are identified, a technical and economic evaluation of viable options shall be						
3745-3-06	E3aiiib	shall	conducted to select options, or projects that are technically and economically viable.	6111.042, 6111.03(P)	general authority		yes	no	no
07.000	250	5	Conducted to scient options, or projects that are resimilarly and essentiment, made.	011110 12) 0111100(1)	Berneral dutilionery		700		
			A schedule of implementation shall be developed and a measurement system to track the implementation						
3745-3-06	E3aiiib	shall	progress of the pollution prevention options shall be developed and revised as necessary.	6111.042, 6111.03(P)	general authority		yes	no	no
3743 3 00	ESUMS	Silan	progress of the pollution prevention options shall be developed and revised as necessary.	0111.042, 0111.03(1)	general authority		yes	110	110
			A schedule of implementation shall be developed and a measurement system to track the implementation						
3745-3-06	E3aiiib	shall	progress of the pollution prevention options shall be developed and revised as necessary.	6111.042, 6111.03(P)	general authority		ves	no	no
3743 3 00	Esams	Silan	A detailed description for each waste shall be included with information on how the waste is stored prior to	0111.042, 0111.03(1)	general authority		yes	110	110
3745-3-06	E3aiv	shall	disposal.	6111.042, 6111.03(P)	general authority		VOC	no	no
3745-3-06	E3av	shall	These procedures shall include, but are not limited to, the following:	6111.042, 6111.03(P)	general authority		yes	no no	no
3745-3-06	E3ava	shall	These practices shall include, but are not limited to, the following:	6111.042, 6111.03(P)	general authority		yes	no	no
3745-3-06	E3avavi	shall	The containment system shall be designed and maintained to not allow leakage.	6111.042, 6111.03(P)	general authority		yes	no	no
3745-3-06	E3avb	shall	Visual inspections shall be conducted at least once per week.	6111.042, 6111.03(P)	general authority		yes	no	no
3745-3-06	E3avd	shall	This plan shall include all floor drains, dikes, and containment areas in the storage facility.	6111.042, 6111.03(P)	general authority		yes	no	no
3, <del>1</del> 3-3-00	LJava	SHAH	If a spill or leak containing a TTO enters the process wastewaters and discharges to a POTW or surface waters,	0111.072, 0111.03(r)	Beneral authority		yes	110	110
			the POTW and control authority, as applicable, shall be promptly notified by the industrial user within twenty-		federal required /				
3745-3-06	E3avi	shall	four hours of discovery.	6111.042, 6111.03(P)	general authority	40 CFR 403.17(c)(2)	VAS	VAS	no
3743-3-00	ESAVI	SHAII	ioui nouis di discovery.	U111.U42, U111.U3(P)	federal required /	40 CFN 403.17(C)(Z)	yes	yes	no
2745 2 06	E2avi	chall	Information regarding the facility chemicals chilled and remedial actions shall be provided in the actification	6111 042 6111 02/0		40 CEP 402 17/6\/2\	wos	wos	no
3745-3-06	E3avi	shall shall	Information regarding the facility, chemicals spilled and remedial actions shall be provided in the notification.	6111.042, 6111.03(P)	general authority	40 CFR 403.17(c)(2)	yes	yes	no
3745-3-06	E3avi	Snall	The spill or leak notification plan shall also include, at a minimum, the following:	6111.042, 6111.03(P)	general authority		yes	no	no
2745 2 00	Facilia	ahall	A list of agencies to be contacted during an emergency and their telephone numbers shall also be posted	(111 042 (444 02/5)	managed authority				
3745-3-06	E3avic	shall	where organics are used and stored.	6111.042, 6111.03(P)	general authority		yes	no	no
2745 2 22	501	1	The facility's effluent shall be sampled and analyzed for all toxic organic compounds, as indicated on the list	6444 040 044	1				
3745-3-06	E3b	shall	included in the appropriate categorical standard, as follows:	6111.042, 6111.03(P)	general authority		yes	no	no
		1							
3745-3-06	E3bi	shall	Samples shall be collected and analyzed in accordance with 40 C.F.R. 136, with appropriate detection levels.	6111.042, 6111.03(P)	general authority		yes	no	no
3745-3-06	E3bii	shall	The reporting form from the laboratory analyzing the samples shall be included in the TOMP.	6111.042, 6111.03(P)	general authority		yes	no	no
3745-3-06	E3biii	shall	The steps in the regulated process in which toxic organics are used shall be described.	6111.042, 6111.03(P)	general authority		yes	no	no

					T		T		1
			The source where toxic organics could be introduced into the wastestream besides those referenced in						
3745-3-06	E3biv	shall	paragraph (E)(3)(b)(iii) of this rule shall be described.	6111.042, 6111.03(P)	general authority		yes	no	no
			A flow schematic showing all of the sources and pathways where toxic organics could enter the wastestream		1 11 11				
3745-3-06	E3bv	shall	shall be provided.  The approximate quantities of each toxic organic chemical used at each step in the regulated process shall be	6111.042, 6111.03(P)	general authority		yes	no	no
2745 2 00	E2h.d	ah a II		(111 042 (111 02/0)	annoral authority				
3745-3-06	E3bvi	shall	listed.	6111.042, 6111.03(P)	general authority		yes	no	no
3745-3-06	E2c	shall	In order to qualify for the alternative in paragraph (EV2) of this rule, the following criteria shall be mot:	6111.042, 6111.03(P)	general authority		vos	200	no
3745-3-06	E3c E3ci	shall	In order to qualify for the alternative in paragraph (E)(3) of this rule, the following criteria shall be met:  The baseline analysis shall show compliance with the appropriate TTO standards.	6111.042, 6111.03(P)	general authority		yes	no no	no no
3743-3-00	ESCI	Silali	The baseline analysis shall show compliance with the appropriate 110 standards.	0111.042, 0111.03(F)	federal required /	40 CFR 413.03, 433.12,	yes	110	110
3745-3-06	E3cii	shall	An acceptable TOMP shall be submitted to the control authority.	6111.042, 6111.03(P)	general authority	469.13	yes	yes	no
3743 3 00	ESCII	Silan	An acceptable rown shall be submitted to the control authority.	0111.042, 0111.05(1)	general authority	403.13	yes	yes	110
			The following certification statement shall be signed by an officer of the company or manager responsible for		federal required /	40 CFR 413.03, 433.12,			
3745-3-06	E3ciii	shall	overall plant operations, and submitted with the TOMP and each subsequent periodic compliance report:	6111.042, 6111.03(P)	general authority	469.13	yes	yes	no
			The control authority, and the POTW, as applicable, shall be notified if any production process is modified or if	, , , , , , , , , , , , , , , , , , , ,	federal required /		7	,	
3745-3-06	E3d	shall	conditions change that affect the use or storage of toxic organics.	6111.042, 6111.03(P)	general authority	40 CFR 403.12(j)	yes	yes	no
			To continue implementation of the alternate TTO monitoring, the industrial user shall submit an updated						
			TOMP to the control authority for review and approval in accordance to the procedures described under the						
3745-3-06	E3e	shall	pretreatment program.	6111.042, 6111.03(P)	general authority		yes	no	no
3745-3-06	E3g	shall	TTO monitoring shall resume upon the end or revocation of certification.	6111.042, 6111.03(P)	general authority		yes	no	no
			The reports and certifications required by this rule shall include the following certification statement and shall			40 CFR 403.12(I);			
3745-3-06	F	shall	be signed by an authorized representative of the industrial user, as follows:	6111.042, 6111.03(P)	federal required	403.6(a)(2)(ii)	yes	yes	no
			The reports and certifications required by this rule shall include the following certification statement and shall						
3745-3-06	F	shall	be signed by an authorized representative of the industrial user, as follows:	6111.042, 6111.03(P)	federal required	40 CFR 403.12(I)	yes	yes	no
			If an authorization under paragraph (F)(2)(d) of this rule is no longer accurate because a different individual or						
			position has responsibility for the overall operation of the facility, or overall responsibility for environmental						
			matters for the company, a new authorization satisfying the requirements of paragraph (F)(2)(d) of this rule						
			shall be submitted to the control authority prior to or together with any reports to be signed by an authorized						
3745-3-06	F2e	shall	representative.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(I)(4)	yes	yes	no
			Sampling and analysis performed in preparation of any report required by this rule shall be conducted in						
3745-3-06	G	shall	accordance with all of the following:	6111.042, 6111.03(P)	federal required	40 CFR 403.12(g)	yes	yes	no
			For the reports required in paragraphs (B) and (D) of this rule, a minimum of four grab samples shall be used						
			for pH, hexavalent chromium, cyanide, total phenols, oil and grease, sulfide, and volatile organics for facilities						
			for which historical sampling data do not exist; for facilities for which historical sampling data are available, the						
3745-3-06	G1	shall	control authority may authorize a requirement of fewer grab samples.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(g)(4)	yes	yes	no
			For all other pollutants, twenty-four-hour composite samples shall be obtained through flow-proportional		federal required /				
3745-3-06	G1	shall	composite sampling techniques, unless flow-proportional sampling is waived by the control authority.	6111.042, 6111.03(P)	general authority	40 CFR 403.12(g)(3)	yes	yes	no
2745 2 06	63	-l II	Except as otherwise provided in this rule, sampling and analysis shall be performed in accordance with the	(111 012 (111 02/0)	fordered as envised	40 CED 402 42/-\/E\			
3745-3-06	G3	shall	techniques prescribed in 40 C.F.R. 136.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(g)(5)	yes	yes	no
			Where 40.0 F.D. 130 does not contain complian or analytical techniques for the nellytent in greation, any place						
			Where 40 C.F.R. 136 does not contain sampling or analytical techniques for the pollutant in question, or where the director determines that the 40 C.F.R. 136 sampling and analytical techniques are inappropriate for the						
			pollutant in question, sampling and analysis shall be performed by using analytical methods or other applicable						
3745-3-06	G2	shall	sampling and analytical procedures approved by the director.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(g)(5)	vos	Wos	no
3745-5-00	G3	Silali	Unless paragraph (G)(5)(c) of this rule applies, repeat sampling and analysis shall be performed within thirty	0111.042, 0111.03(F)	lederarrequired	40 CFK 403.12(g)(3)	yes	yes	no
3745-3-06	G5	shall	days after the industrial user or control authority becomes aware of the violation.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(g)(2)	yes	yes	no
3743-3-00	03	Silaii	If sampling performed by an industrial user indicates a violation, the user shall notify the control authority	0111.042, 0111.03(1)	leaciairequirea	40 Cl N 403.12(g)(2)	yes	yes	110
3745-3-06	G5a	shall	within twenty-four hours of becoming aware of the violation.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(g)(2)	yes	yes	no
57.15.5.00		Silan	The user shall also repeat the sampling and analysis and submit the results of the repeat analysis to the control	0111.0 (E, 0111.00(I')	.cacrarrequireu	.0 0.11 700.12(8)(2)	1	,	
3745-3-06	G5a	shall	authority within thirty days after becoming aware of the violation.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(g)(2)	yes	yes	no
5 5 5		5.1411	If sampling and analysis performed by the control authority under paragraph (G)(4) of this rule or paragraph		.cac.a. required		,	,	
			(C)(2)(e) of rule 3745-3-03 of the Administrative Code indicates a violation, the control authority shall perform						
			the repeat sampling and analysis unless the control authority notifies the user of the violation and requires the						
3745-3-06	G5b	shall	user to perform the repeat analysis.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(g)(2)	yes	yes	no
		5	The reports required in paragraphs (B), (D), and (E) of this rule shall be conducted in accordance with all of the				1	, 50	
3745-3-06	G6	shall	following:	6111.042, 6111.03(P)	federal required	40 CFR 403.12(g)	yes	yes	no
		5	The reports shall be based upon data obtained through appropriate sampling and analysis performed during				1-3	, 50	
			the period covered by the report, which data is representative of conditions occurring during the reporting						
3745-3-06	G6a	shall	period.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(g)(3)	ves	yes	no
			I <sup>1</sup>	- ,(-)	1 1		17 -	1,	

T-									
			The control authority shall require that frequency of monitoring necessary to assess and assure compliance by						
3745-3-06	G6b	shall	industrial users with applicable pretreatment standards and requirements.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(g)(3)	yes	yes	no
			Grab samples shall be used for pH, hexavalent chromium, cyanide, total phenols, oil and grease, sulfide, and						
3745-3-06	G6c	shall	volatile organic compounds.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(g)(3)	yes	yes	no
			For all other pollutants, twenty-four-hour composite samples shall be obtained through flow-proportional						
			composite sampling techniques, unless time-proportional composite sampling or grab sampling is authorized						
3745-3-06	G6d	shall	by the control authority.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(g)(3)	yes	yes	no
			Where time-proportional composite sampling or grab sampling is authorized by the control authority, the						
			samples shall be representative of the discharge and the decision to allow the alternative sampling shall be						
3745-3-06	G6e	shall	documented in the industrial user file for that facility or facilities.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(g)(3)	yes	yes	no
			Where time-proportional composite sampling or grab sampling is authorized by the control authority, the						
			samples shall be representative of the discharge and the decision to allow the alternative sampling shall be						
3745-3-06	G6e	shall	documented in the industrial user file for that facility or facilities.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(g)(3)	yes	yes	no
			For the reports required by paragraph (E) of this rule, the control authority shall require the number of grab						
			samples necessary to assess and assure compliance by industrial users with applicable pretreatment standards						
3745-3-06	G7	shall	and requirements.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(g)(4)	yes	yes	no
			If an industrial user subject to the reporting requirement in paragraph (E) of this rule monitors any regulated	, , , , , , , , , , , , , , , , , , , ,		(6)(7)	7	,	
			pollutant at the permitted sampling location more frequently than required by the control authority, using the						
			procedures described in paragraph (G)(3) of this rule, the results of this monitoring shall be included in the						
3745-3-06	G8	shall	report.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(g)(6)	yes	yes	no
37 13 3 00	00	Silan		0111.012, 0111.05(1)	reactarrequirea	10 6111 103.12(6)(0)	700	763	110
			All industrial users shall promptly notify the control authority and the POTW in the cases where the POTW does						
			not have an approved pretreatment program in advance of any substantial change in the volume or character						
			of pollutants in their discharge including the listed or characteristic hazardous wastes for which the industrial						
3745-3-06	ш	shall	user has submitted initial notification under 40 C.F.R. 403.12(p).	6111.042, 6111.03(P)	federal required	40 CFR 403.12(j)	yes	yes	no
3743-3-00	11	Silali	Industrial users shall notify the POTW immediately of any changes at the facilities affecting potential for a slug	0111.042, 0111.03(F)	lederal required	40 Cl K 403.12(j)	yes	yes	110
3745-3-06	ш	shall	discharge.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(f)	voc	vos	200
3743-3-00	11	Silali	In addition to the certification statement in paragraph (F)(1) of this rule, a facility determined to be a non-	0111.042, 0111.03(F)	lederal required	40 CFR 403.12(I)	yes	yes	no
			significant categorical industrial user pursuant to paragraph (N) of rule 3745-3-01 of the Administrative Code shall annually submit the following certification statement, signed in accordance with the signatory						
2745 2 00		-h - II		(111 012 (111 02/5)	fordenel ne sudned	40 CED 402 42/-/			
3745-3-06		shall shall	requirements in paragraph (F) of this rule.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(q)	yes	yes	no
3745-3-06	ı	Sildii	The following certification shall accompany any report required by the POTW:	6111.042, 6111.03(P)	federal required	40 CFR 403.12(q)	yes	yes	no
			All industrial users subject to this rule shall retain records of all information resulting from any monitoring						
2745 2 00			activities, regardless of whether such monitoring activities were required by the control mechanism, including	C444 042 C444 02/B)		40.055.402.424.744			
3745-3-06	J	shall	documentation associated with BMPs.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(o)(1)	yes	yes	no
2745 2 00				C444 042 C444 02/B)		40.055.402.424.7/27			
3745-3-06	J	shall	. Such records shall be retained for a minimum of three years and shall include the following for all samples:	6111.042, 6111.03(P)	federal required	40 CFR 403.12(o)(2)	yes	yes	no
2745 2 00		-h - II		(111 012 (111 02/0)	fadand naminad	40 CED 402 42/-\/4\			
3745-3-06	J	shall	. Such records shall be retained for a minimum of three years and shall include the following for all samples:	6111.042, 6111.03(P)	federal required	40 CFR 403.12(o)(1)	yes	yes	no
2745 2.00	14	-h - II	In addition to the requirement of paragraph (J) of this rule, any industrial user subject to this rule shall retain all		fadand naminad				
3745-3-06	K	shall	of the following for a minimum of three years:	6111.042, 6111.03(P)	federal required		yes	yes	no
			Industrial users subject to this rule shall retain all control mechanisms and pollution prevention alternatives						
			(e.g. slug control plan, toxic organic management plan) for as long as these documents are effective and for at						
3745-3-06	L	shall	least three years after the date on which these documents become ineffective.	6111.042, 6111.03(P)	general authority		yes	no	no
			Industrial users shall make the records described in paragraphs (J) to (L) of this rule available for inspection and						
3745-3-06	М	shall	copying by the POTW and the Ohio EPA.	6111.042, 6111.03(P)	general authority	40 CFR 403.12(o)(2)	yes	no	no
			The period of retention described in paragraphs (J) to (L) of this rule shall be extended during the course of any						
			unresolved litigation regarding the discharge of pollutants or the operation of the POTW pretreatment program		federal required /				
3745-3-06	M	shall	or when requested by the director.	6111.042, 6111.03(P)	general authority	40 CFR 403.12(o)(2)	yes	yes	no
			Categorical industrial users are required to submit to the control authority a baseline report, as described in		federal required /				
3745-3-06	B1	require	paragraph (C) of this rule.	6111.042, 6111.03(P)	general authority	40 CFR 403.12(b)	yes	yes	no
			New sources, and sources that become industrial users subsequent to the promulgation of an applicable						
			categorical standard, shall be required to submit to the control authority a report which contains the						
			information listed in paragraphs (C)(1) to (C)(6) of this rule at least ninety days prior to commencement of						
3745-3-06	B1b	require	discharge.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(b)	yes	yes	no
			New sources shall also be required to include in this report information on the method of pretreatment the	,( )	,	(-)		,	
3745-3-06	B1b	require	source intends to use to meet applicable pretreatment standards.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(b)	yes	yes	no
			··· · · · · · · · · · · · · · · · · ·	, , /		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	L.	i.*	

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			Where the industrial user's enterexical protreatment standard has been modified by a removal allowance						
			Where the industrial user's categorical pretreatment standard has been modified by a removal allowance, fundamentally different factor variance, or the combined wastestream formula under paragraph (I)(1) of rule						
			,						
3745-3-06	B2	roquiro	3745-3-09 of the Administrative Code, at the time the user submits the baseline report the information	6111 042 6111 02/0\	fodoral required	40 CEP 402 12/b\/7\/i\	voc	vos	no
3745-3-00	BZ	require	required by paragraphs (C)(6) and (C)(7) of this rule shall pertain to the modified limits.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(b)(7)(i)	yes	yes	no
3745-3-06	C	require	The baseline report required by paragraph (B) of this rule shall contain all of the following information:	6111.042, 6111.03(P)	federal required	40 CFR 403.12(b)	yes	yes	no
3743 3 00		require	The user shall submit the results of sampling and analysis identifying the nature and concentration (or mass,	0111.042, 0111.03(1)	reactarrequirea	40 CI II 403.12(b)	yes	yes	110
			where required by the standard or control authority) of regulated pollutants in the discharge from each						
3745-3-06	C5b	require	regulated process.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(b)(5)(ii)	ves	yes	no
		require					7	7-5	
3745-3-06	C5b	require	Both daily maximum and average concentration (or mass, where required) shall be reported	6111.042, 6111.03(P)	federal required	40 CFR 403.12(b)(5)(ii)	yes	yes	no
		·	In cases where the standard requires compliance with a BMP or a pollution prevention alternative, the		·			,	
			industrial user shall submit documentation as required by the control authority or the applicable standards to						
3745-3-06	C5b	require	determine compliance with the standard.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(b)(5)(ii)	yes	yes	no
			In cases where the standard requires compliance with a BMP or a pollution prevention alternative, the						
			industrial user shall submit documentation as required by the control authority or the applicable standards to						
3745-3-06	C5b	require	determine compliance with the standard.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(b)(5)(ii)	yes	yes	no
			A statement, reviewed, signed, and certified by an authorized representative of the industrial user, as defined						
			in paragraph (F) of this rule, indicating whether pretreatment standards are being met on a consistent basis,						
			and if not, whether additional operation and maintenance, or additional pretreatment is required by the						
3745-3-06	C7	require	industrial user to meet the pretreatment standards and requirements.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(b)(6)	yes	yes	no
			If additional pretreatment operation and maintenance, or both, will be required to meet the categorical						
			pretreatment standards, the shortest schedule by which the industrial user will provide such additional						
3745-3-06	C8	require	measures.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(b)(7)	yes	yes	no
			The schedule required by paragraph (C)(8) of this rule shall contain increments of progress in the form of dates						
			for the commencement and completion of major events leading to the construction and operation of						
			additional pretreatment required for the industrial user to meet the applicable categorical pretreatment						
			standards (e.g., hiring an engineer, completing preliminary plans, completing final plans, executive contract for						
3745-3-06	C9	require	major components, commencing construction, completing construction, etc).	6111.042, 6111.03(P)	federal required	40 CFR 403.12(c)	yes	yes	no
			TI I I I I I I I I I I I I I I I I I I						
			The schedule required by paragraph (C)(8) of this rule shall contain increments of progress in the form of dates						
			for the commencement and completion of major events leading to the construction and operation of						
			additional pretreatment required for the industrial user to meet the applicable categorical pretreatment standards (e.g., hiring an engineer, completing preliminary plans, completing final plans, executive contract for						
3745-3-06	C9	require	major components, commencing construction, completing construction, etc).	6111.042, 6111.03(P)	federal required	40 CFR 403.12(c)(1)	yes	voc	no
3743-3-00	C9	require	major components, commenting construction, completing construction, etcj.	0111.042, 0111.05(F)	lederarrequired	40 CFN 403.12(C)(1)	yes	yes	110
			) Not later than fourteen days following each date in the schedule required by paragraph (C)(8) of this rule and						
			the date for final compliance with the applicable categorical pretreatment standard or standards, the industrial						
			user shall submit a progress report to the control authority including, at a minimum, whether or not						
			compliance with the increment of progress has been met on such date and, if not, the date on which						
			compliance with this increment of progress is expected, the reason for delay, and the steps being taken by the		federal required /				
3745-3-06	C10	require	industrial user to return the construction to the schedule established.	6111.042, 6111.03(P)	general authority	40 CFR 403.12(c)(3)	yes	yes	no
07.10.00	010	. equ e	Significant industrial users subject to pretreatment standards after the compliance date of such pretreatment	011110 12) 0111100(1.)	Beneral datilones	10 0.11 100.22(0)(0)	700	7 00	
			standard, or, in the case of a new source, after commencement of the discharge into the POTW, shall submit a						
			periodic compliance monitoring report to the control authority during the months of June and December,						
			unless required more frequently or during different months by the categorical pretreatment standard or the		federal required /	40 CFR 403.12(e)(1) &			
3745-3-06	E1	require	control authority.	6111.042, 6111.03(P)	general authority	(h)	yes	yes	no
		'		1	,		-	ĺ	
			A report indicating the nature and concentration of the pollutants in the discharge that are limited by		federal required /	40 CFR 403.12(e)(1) &			
3745-3-06	E1a	require	applicable categorical pretreatment standards and pollutants required by the control authority.	6111.042, 6111.03(P)	general authority	(h)	yes	yes	no
		·	A record of measured or estimated average and maximum daily flows for the reporting period for the discharge						
			to the POTW, reporting the same information as called for under paragraph (C)(4) of this rule unless the contro		federal required /	40 CFR 403.12(e)(1) &			
3745-3-06	E1b	require	authority should require more detailed reporting of flows.	6111.042, 6111.03(P)	general authority	(h)	yes	yes	no
			In cases where the pretreatment standard requires compliance with a BMP or a pollution prevention						
			alternative, documentation required by the control authority or the pretreatment standard necessary to			40 CFR 403.12(e)(1) &			
3745-3-06	E1f	require	determine the compliance status of the user.	6111.042, 6111.03(P)	federal required	(h)	yes	yes	no
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			In any other the gratuation to the dead on the grant the DAID on all the grant to	1					
			In cases where the pretreatment standard requires compliance with a BMP or a pollution prevention			40 CEP 402 12(a)(1) 8.			
2745 2 06	E1f	roquiro	alternative, documentation required by the control authority or the pretreatment standard necessary to determine the compliance status of the user.	6111 042 6111 02/0	fodoral required	40 CFR 403.12(e)(1) &	voc	voc	200
3745-3-06	E1f	require	For a mid-tier categorical industrial user as defined in paragraph (M) of rule 3745-3-01 of the Administrative	6111.042, 6111.03(P)	federal required	(n)	yes	yes	no
			Code, the control authority may reduce the frequency for reporting specified in paragraph (E)(1) of this rule to						
			no less than once per year, unless required more frequently in the pretreatment standard, by the control						
3745-3-06	E2	require	authority, or by the director.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(e)(3)	yes	yes	no
07.10.0.00		require	Evaluate any regulated TTO found in the effluent, other than those in the TTO inventory list required in	011110 12) 0111100(1.)	.cac.acqaca	10 0111 103.12(0)(0)	700	700	
			paragraph (E)(3)(a)(i) of this rule and determine if the TTOs are formed as reaction products or by-products or						
3745-3-06	E3bvii	require	from raw materials, impurities, equipment corrosion or other sources.	6111.042, 6111.03(P)	general authority		yes	no	no
3745-3-06	E3d	require	The control authority may require that additional sampling be performed.	6111.042, 6111.03(P)	general authority		yes	no	no
		·	The reports and certifications required by this rule shall include the following certification statement and shall	, ,					
3745-3-06	F	require	be signed by an authorized representative of the industrial user, as follows:	6111.042, 6111.03(P)	federal required	40 CFR 403.12(I)	yes	yes	no
			A responsible corporate officer, if the industrial user submitting the reports required by this rule is a						
3745-3-06	F2a	require	corporation.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(I)(1)	yes	yes	no
			Sampling and analysis performed in preparation of any report required by this rule shall be conducted in						
3745-3-06	G	require	accordance with all of the following:	6111.042, 6111.03(P)	federal required	40 CFR 403.12(g)	yes	yes	no
			For the reports required in paragraphs (B) and (D) of this rule, a minimum of four grab samples shall be used						
			for pH, hexavalent chromium, cyanide, total phenols, oil and grease, sulfide, and volatile organics for facilities						
3745-3-06	G1	require	for which historical sampling data do not exist;	6111.042, 6111.03(P)	federal required	40 CFR 403.12(g)(4)	yes	yes	no
			Except in the case of non-significant categorical industrial users, the sampling and analysis required in						
3745-3-06	G4	require	paragraphs (B), (D), and (E) of this rule may be performed by the control authority in lieu of the industrial user.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(g)(1)	yes	yes	no
			Where the POTW performs the required sampling and analysis in lieu of the industrial user all of the following						
3745-3-06	G4	require	apply:	6111.042, 6111.03(P)	federal required	40 CFR 403.12(g)(1)	yes	yes	no
			The user will not be required to submit the compliance certification statement required in paragraph (C)(6) of						
3745-3-06	G4a	require	this rule;	6111.042, 6111.03(P)	federal required	40 CFR 403.12(g)(1)	yes	yes	no
			The user will not be required to submit the compliance certification statement required in paragraph (C)(6) of						
3745-3-06	G4a	require	this rule;	6111.042, 6111.03(P)	federal required	40 CFR 403.12(g)(1)	yes	yes	no
			The industrial user will not be required to submit the report if the POTW solely collects all of the information						
3745-3-06	G4b	require	required for the report.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(g)(1)	yes	yes	no
			The industrial user will not be required to submit the report if the POTW solely collects all of the information						
3745-3-06	G4b	require	required for the report.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(g)(1)	yes	yes	no
			These sampling and analysis results do not include the annual monitoring required in paragraph (C)(2)(e) of						
3745-3-06	G4c	require	rule 3745-3-03 of the Administrative Code.	6111.042, 6111.03(P)	general authority		yes	no	no
			If sampling and analysis performed by the control authority under paragraph (G)(4) of this rule or paragraph						
			(C)(2)(e) of rule 3745-3-03 of the Administrative Code indicates a violation, the control authority shall perform						
			the repeat sampling and analysis unless the control authority notifies the user of the violation and requires the						
3745-3-06	G5b	require	user to perform the repeat analysis.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(g)(2)	yes	yes	no
3745-3-06	G5c	require	Resampling is not required if either of the following apply:	6111.042, 6111.03(P)	federal required	40 CFR 403.12(g)(2)	yes	yes	no
			The reports required in paragraphs (B), (D), and (E) of this rule shall be conducted in accordance with all of the						
3745-3-06	G6	require	following:	6111.042, 6111.03(P)	federal required	40 CFR 403.12(g)	yes	yes	no
			The control authority shall require that frequency of monitoring necessary to assess and assure compliance by						
3745-3-06	G6b	require	industrial users with applicable pretreatment standards and requirements.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(g)(3)	yes	yes	no
			For the reports required by paragraph (E) of this rule, the control authority shall require the number of grab						
2745 2 06	67		samples necessary to assess and assure compliance by industrial users with applicable pretreatment standards	C444 042 C444 02/D)		40 050 400 404 \/4\			
3745-3-06	G7	require	and requirements.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(g)(4)	yes	yes	no
			For the reports required by paragraph (E) of this rule, the control authority shall require the number of grab						
2745 2.00	67		samples necessary to assess and assure compliance by industrial users with applicable pretreatment standards		fordered as surfaced	40.050.402.42/.\/4\			
3745-3-06	G7	require	and requirements.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(g)(4)	yes	yes	no
			If an industrial user subject to the reporting requirement in paragraph (E) of this rule monitors any regulated						
			pollutant at the permitted sampling location more frequently than required by the control authority, using the						
2745_2 06	GS	roquiro	procedures described in paragraph (G)(3) of this rule, the results of this monitoring shall be included in the	6111 042 6111 02/01	federal required	40 CEP 402 12/a//a/	ves	Vec	no
3745-3-06	G8	require	report.	6111.042, 6111.03(P)	federal required	40 CFR 403.12(g)(6)	yes	yes	no
			The control authority may require an industrial year to install flavour actions of cities a fractions.						
2745 2 00	60		The control authority may require an industrial user to install flow monitoring facilities, instruments, and	6111 042 6114 02/5	gonoral authanite		was.	20	
3745-3-06	G9	require	recording devices to enable accurate measurement of flows as determined to be necessary.	6111.042, 6111.03(P)	general authority	40 CED 403 43/=\	yes	no	no
3745-3-06	I	require	The following certification shall accompany any report required by the POTW:	6111.042, 6111.03(P)	federal required	40 CFR 403.12(q)	yes	yes	no
			All industrial users subject to this rule shall retain records of all information resulting from any monitoring						
2745 2 06		roguiro	activities, regardless of whether such monitoring activities were required by the control mechanism, including	6111 042 6111 02/0	federal required	40 CEP 402 12(a)(1)	vos	V05	no
3745-3-06	h	require	documentation associated with BMPs.	6111.042, 6111.03(P)	reuerarrequireu	40 CFR 403.12(o)(1)	yes	yes	IIO

	1	1		1		T		T	1
			Any record, report, or other information obtained under this chapter shall be available to the public, except						
			upon a showing satisfactory to the control authority that all or part of such record, report, or other						
			information, other than effluent data, would divulge methods or processes entitled to protection as trade						
2745 2 07		-l II	secrets, in which instance the control authority shall consider such record, report, or other information or part	(111 012 (111 02/0)	state and federal	40 CED 403 44 ODC C44			
3745-3-07	A	shall	thereof as confidential and administer such record, report, or other information pursuant to this rule.	6111.042, 6111.03(P)	required	40 CFR 403.14, ORC 611	.Tyes	yes	no
			Any record, report, or other information obtained under this chapter shall be available to the public, except						
			upon a showing satisfactory to the control authority that all or part of such record, report, or other						
			information, other than effluent data, would divulge methods or processes entitled to protection as trade						
			secrets, in which instance the control authority shall consider such record, report, or other information or part		state and federal				
3745-3-07	Δ	shall	thereof as confidential and administer such record, report, or other information pursuant to this rule.	6111.042, 6111.03(P)	required	40 CFR 403.14(b) and 61	1 vas	yes	no
3743-3-07	^	Silali	thereof as confidential and administer sacrifectora, report, of other information pursuant to this fulc.	0111.042, 0111.05(1)	required	40 Ci N 403.14(b) and 03	1 yes	yes	no
			Wastewater constituents and characteristics and other effluent data, as defined in 40 C.F.R. 2.302, shall not be		federal required and				
3745-3-07	А	shall not	considered confidential information and shall be available to the public without restriction.	6111.042, 6111.03(P)	state required	6111.05 (A), and 40 CFR	ves	yes	no
3, 13 3 0,		Shan not	considered community material and shall be available to the public without restriction.	0111.012, 0111.03(1)	state required	offices (xi), and to crit	yes	763	110
			Wastewater constituents and characteristics and other effluent data, as defined in 40 C.F.R. 2.302, shall not be						
3745-3-07	А	shall	considered confidential information and shall be available to the public without restriction.	6111.042, 6111.03(P)	federal required	40 CFR 403.14(b)	yes	yes	no
			All other information that is submitted to the state or POTW shall be available to the public at least to the	, ,			,	,	
3745-3-07	А	shall	extent provided by 40 C.F.R. 2.302.	6111.042, 6111.03(P)	federal required	40 CFR 403.14(c)	yes	yes	no
			A request for confidential treatment shall be submitted to the control authority simultaneously with						
			submission of the specific record, report, or other information with documentation sufficient to support that						
3745-3-07	В	shall	the record, report, or other information is confidential	6111.042, 6111.03(P)	federal required	40 CFR 403.14(a)	yes	yes	no
3745-3-07	В	shall	Failure to make such timely request shall constitute a waiver of the right to prevent public disclosure.	6111.042, 6111.03(P)	federal required	40 CFR 403.14(a)	yes	yes	no
			A decision as to whether to treat the record, report, or other information as confidential shall be made by the						
3745-3-07	С	shall	control authority within forty-five days of receipt of the request and accompanying documentation.	6111.042, 6111.03(P)	general authority		yes	no	no
			Until such decision is made, the record, report, or other information or part thereof, shall be treated as		general authority and				
3745-3-07	C	shall	confidential.	6111.042, 6111.03(P)	federal required	40 CFR 2.205	yes	no	no
3745-3-07	C	shall	The person requesting confidentiality shall be notified in writing of the control authority's decision.	6111.042, 6111.03(P)	general and federal	40 CFR 2.205	yes	yes	no
			Industrial users subject to pretreatment standards shall comply with the limits under rule 3745-3-04 of the Administrative Code - "Prohibited discharges," and with any more stringent pretreatment standards applicable			40 CED 402 2(I)			
3745-3-09	D	shall	under an approved POTW pretreatment program.	6111.042, 6111.03(P)	federal required	40 CFR 403.3(I), 403.8(f)(1)(ii)	voc	voc	no
3743-3-09	В	Stidii	under an approved FOTW pretreatment program.	0111.042, 0111.03(P)	lederal required	403.8(1)(1)(1)	yes	yes	IIIO
			Existing sources that become industrial users subsequent to promulgation of an applicable categorical						
			pretreatment standard shall be considered existing industrial users except where such sources meet the						
3745-3-09	С	shall	definition of a new source as defined in rule 3745-3-01 of the Administrative Code.	6111.042, 6111.03(P)	federal required	40 CFR 403.6(b)	yes	yes	no
<del></del>		5.1.4.1	New sources shall comply with the pretreatment standard for new sources (PSNS) that is specified in the	01110 12) 0111100(1)	federal required /	10 0111 10010(0)	700	700	
3745-3-09	D	shall	applicable subcategory of the categorical pretreatment standard.	6111.042, 6111.03(P)	general authority	40 CFR 403.6	yes	yes	no
			Except where expressly authorized to do so by an applicable categorical pretreatment standard or	, ,	,		,	,	
			requirement, no industrial user shall ever increase the use of process water or, in any other way, attempt to						
			dilute a discharge as a partial or complete substitute for adequate treatment to achieve compliance with a						
3745-3-09	E	shall	pretreatment standard or requirement.	6111.042, 6111.03(P)	federal required	40 CFR 403.6(d)	yes	yes	no
			Limits in categorical pretreatment standards shall apply to the effluent of the process regulated by the						
3745-3-09	F	shall	standard, or as otherwise specified by the standard.	6111.042, 6111.03(P)	federal required	40 CFR 403.6(c)(1)	yes	yes	no
			Unless otherwise provided in an applicable categorical pretreatment standard, compliance with such standards						
			shall be measured in accordance with the methods of analyses and sampling procedures specified under rule		federal required /	40 CFR 403.6(e)(3), 40			
3745-3-09	G	shall	3745-3-06 of the Administrative Code.	6111.042, 6111.03(P)	general authority	CFR 403.12 (g)	yes	yes	no
			In all cases in which a determination is sought by an industrial user concerning the applicability of a particular						
			subcategory under the categorical pretreatment standards, the final determination issued under 40 C.F.R.		federal required /				
3745-3-09	Н	shall	403.6 shall control the application of the appropriate subcategory.	6111.042, 6111.03(P)	general authority	40 CFR 403.6(a)	yes	yes	no
			There shall be no right or procedure implied under this chapter for industrial users or POTWs to seek such						
2745 2 00	l	l	categorical determinations from the director other than through the procedures and within the requirements	C444 040 C111 00/=;					
3745-3-09	H	shall	of 40 C.F.R. 403.6.	6111.042, 6111.03(P)	general authority		yes	no	no
			Categorical protroatment standards shall apply to an industrial user unless an enforceable alternative limit to						
2745 2 00	11	chall	Categorical pretreatment standards shall apply to an industrial user unless an enforceable alternative limit to	6111 042 6111 02/0	gonoral authority		vos	no	200
3745-3-09	IΤ	shall	the standard is applicable to the industrial user under any of the following regulations:	6111.042, 6111.03(P)	general authority		yes	IIΟ	IIIO

745-3-09	12	require		6111.042, 6111.03(P)	general authority	yes	no	no
			administered under an approved pretreatment program, or by orders issued to the industrial user by the					
			an industrial user, compliance with the alternative limit shall be required by local ordinance or contract					
			In order for the alternative limit referenced in paragraph (I)(1) of this rule to be considered enforceable against					
3745-3-09	13	shall	and within the requirements set forth in paragraphs (I)(1) and (I)(2) of this rule.	6111.042, 6111.03(P)	general authority	yes	no	no
			person to seek an alternative limit to a categorical pretreatment standard other than through the procedures					
			There shall be no right or procedure implied under this chapter for an industrial user, POTW, or any other					
3745-3-09	12	shall		6111.042, 6111.03(P)	general authority	yes	no	no
			administered under an approved pretreatment program, or by orders issued to the industrial user by the					
			an industrial user, compliance with the alternative limit shall be required by local ordinance or contract					
			In order for the alternative limit referenced in paragraph (I)(1) of this rule to be considered enforceable against					

								1	
					Required by State or Fed Law or		Federally delegated	Removal would require state or	Requirement on the
OAC Rule #	Paragraph	Restriction	Description/Quotation	Statutory Authority	general authority?	If Fed, crosswalk?	program?	federal law change?	agency or director?
			All data submitted under the credible data program that meet the specified requirements,						
			shall be stored and made accessible to both the public and other state agencies in a						
3745-4-01	Α	shall	computerized data base.	6111.5	1 State required ORC 6111.55		No	yes	yes
			Participation in this program is voluntary except for the requirement under section 6111.54						
			of the Revised Code that each state agency in possession of surface water quality data shall						
3745-4-01	В	shall	submit the data to Ohio EPA in a format designated by the director.	6111.5	1 State required ORC 6111.54		No	yes	no
			No later than March thirty-first of each year, state agencies shall submit surface water						
3745-4-01	В	shall	quality data for the preceding year to Ohio EPA.	6111.5	1 State general authority		No	no	no
			The data arisinative forms at alice and detailed and consults allowed by Ohio FDA Ohio FDA						
			The data originating from studies conducted and samples collected by Ohio EPA, Ohio EPA's	5					
			contractors, federal environmental agencies including the United States environmental						
3745-4-01	D1	shall	protection agency, and other state environmental agencies shall be deemed credible at the appropriate level according to the specifications set forth in this chapter.		1 State required 6111.51 (C)		No	was	no
3743-4-01	DI	Silali	Unless the director identifies reasons why the data are not credible, data shall be considere		State required 6111.31 (C)		No	yes	no
			credible for the submitted purposes if the data meet one or more of the following	u e					
3745-4-01	D2	shall	requirements:	6111 5	1 State required 6111.51 (C)		No	yes	ves
3743 4 01	- DZ	Silan	requirements.	0111.5	State required 0111.51 (e)		110	yes	yes
			Nothing in this chapter shall be construed as granting approval for the collection of any						
			wildlife without obtaining a wild animal collecting permit from the chief of the division of						
			wildlife, Ohio department of natural resources pursuant to section 1533.08 of the Revised						
3745-4-01	E	shall	Code and performing the duties specified in section 1533.09 of the Revised Code.	6111.5	1 State general authority		No	no	no
07.10 1.02		5.14.1	Code and performing the dates specified in section 2000 or the noticed code.	0111.0	etate general authority				
			Except as provided in paragraph (D) of this rule, persons collecting and submitting data to						
			Ohio EPA for consideration as credible data must have status as a qualified data collector						
3745-4-01	Α	must	(QDC) as provided in rule 3745-4-03 of the Administrative Code.	6111.5	1 State required 6111.51 (C)		No	yes	no
			The program shall provide an introduction to basic water quality principles and train						
			participants in the use of field instrumentation, sample collection and preservation, and dat	a					
3745-4-02	Α	shall	recording techniques.	6111.5	1 State Required ORC 6111.51 (A)(1)		no	yes	no
			Historical data shall be evaluated to insure that more recent information does not indicate						
3745-4-02	В	shall	that the data are not representative of current conditions.	6111.5	1 State Required ORC 6111.51 (A)(1)		no	yes	yes
			The program must be consistent with national or state science content standards, provide						
			an introduction to basic water quality principles and train participants in the use of field						
3745-4-02	G	must	instrumentation, sample collection and preservation, and data recording techniques.		1 State Required ORC 6111.53 (A)		no	yes	no
			Successful completion of a level 1 training from a QDC trainer approved by the director shall	1					
			result in automatic approval as a level 1 QDC if the trainee provides name and contact						
3745-4-03	A1a	shall	information at the training.	6111.51, 6111.53	State general authority		no	no	yes
			Individuals automatically approved as level 1 QDCs shall be included on the list of approved						
2745 4 02			QDCs on the credible data website at:	6444 54 6444 50	s				
3745-4-03	A1a	shall	http://www.epa.ohio.gov/dsw/credibledata/index.aspx.	6111.51, 6111.53	State general authority		no	no	yes
2745 4 02	A1h	ah all	The director shall determine the acceptability of the basic water quality monitoring training		State required ODS (111 F2 (A)				
3745-4-03	A1b	shall	based on factors including, but not limited to, the following:	6111.51, 6111.53	State required ORC 6111.53 (A)		no	yes	yes
3745-4-03	A2ai	shall	The applicant shall demonstrate through education or experience a general knowledge of stream and riverine physical forms and habitat features.	6111 51 6111 52	State required ORC 6111.53 (A)			luos	200
3745-4-03	A2ai	Shaii	Within the past one year, the applicant shall have attended training and achieved a passing	6111.51, 6111.53	State required ORC 6111.53 (A)		no	yes	no
			mark in stream habitat assessment "Qualitative Habitat Evaluation Index" (QHEI) testing						
			offered by Ohio EPA or a person authorized pursuant to this chapter to provide such						
3745-4-03	A2aii	shall	training.	6111.51, 6111.53	State required ORC 6111.53 (A)		no	yes	no
5775 7 05	AZUII	Jiluil	The applicant shall demonstrate through education or experience a general knowledge of	0111.01, 0111.00	State required one offices (A)		110	700	
3745-4-03	A2bi	shall	stream and riverine physical forms and habitat features.	6111.51, 6111.53	State required ORC 6111.53 (A)		no	yes	no
				, 0			··· <del>·</del>	,	-
			Within the past one year, the applicant shall have attended training and achieved a passing						
			mark in QHEI, biocriteria and "Headwater Habitat Evaluation Index" (HHEI) testing offered						
3745-4-03	A2bii	shall	by Ohio EPA or a person authorized pursuant to this chapter to provide such training.	6111.51, 6111.53	State required ORC 6111.53 (A)		no	yes	no
			The applicant shall demonstrate through education or experience a general knowledge of	,				ĺ	
3745-4-03	A2ci	shall	stream and riverine or lake physical forms and habitat features	6111.51, 6111.53	State required ORC 6111.53 (A)		no	yes	no
<u> </u>	1		. ,		( /		1	1.5	

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			The applicant shall demonstrate through education or experience knowledge of and the					
			ability to accurately use macroinvertebrate taxonomic references and dichotomous keys to					
2745 4 02	A 2 - ''	-111	· · · · · · · · · · · · · · · · · · ·		State was wired OBS \$444.53 (A)			
3745-4-03	A2cii	shall	identify midwestern aquatic macroinvertebrates to the level of family.	6111.51, 6111.53	State required ORC 6111.53 (A)	no	yes	no
			Within one hundred eighty days prior to submission of a level 2 QDC application, the					
			applicant shall have achieved a passing mark in a macroinvertebrate taxonomic					
			identification examination administered by Ohio EPA or a person authorized under this					
3745-4-03	A2ciii	shall	chapter to administer such an examination.	6111.51, 6111.53	State required ORC 6111.53 (A)	no	yes	no
2745 4 02	A 2 - i	-111	The applicant shall have college-level course credit in aquatic invertebrate zoology or	C444 F4 C444 F2	State was wired OBS \$444.53 (A)			
3745-4-03	A2civ	shall	practical experience in the identification of aquatic macroinvertebrates.	6111.51, 6111.53	State required ORC 6111.53 (A)	no	yes	no
			The soult seek shall be a second sked and selectioned a section or adversarial and seek second					
			The applicant shall have completed and achieved passing marks in undergraduate core					
2745 4 02			course work in limnology, aquatic biology, environmental sciences or a related discipline, or		S			
3745-4-03	A2cv	shall	has two years of practical experience in environmental assessment work.	6111.51, 6111.53	State required ORC 6111.53 (A)	no	yes	no
			The applicant shall have one year of practical experience involving work in developing water	r				
			quality sampling and analysis plans, quality assurance plans, and data quality objectives					
3745-4-03	A2cvi	shall	processes.	6111.51, 6111.53	State required ORC 6111.53 (A)	no	yes	no
			The applicant shall demonstrate through education or experience a general knowledge of					
3745-4-03	A2di	shall	stream and riverine or lake physical forms and habitat features.	6111.51, 6111.53	State required ORC 6111.53 (A)	no	yes	no
			The applicant shall have completed and achieved passing marks in undergraduate core					
			course work in a biological, chemical, microbiological, natural or physical science, or has two	o				
			years of pertinent laboratory experience performing water quality testing and analysis, or					
			has two years of pertinent experience in chemical or microbiological water quality data					
3745-4-03	A2dii	shall	analysis, interpretation and report writing.	6111.51, 6111.53	State required ORC 6111.53 (A)	no	yes	no
			The applicant shall have one year of practical experience involving work in developing					
			chemical or microbiological surface water quality sampling and analysis plans, quality					
3745-4-03	A2diii	shall	assurance plans, and data quality objectives processes.	6111.51, 6111.53	State required ORC 6111.53 (A)	no	yes	no
			The applicant shall have one year of practical experience involving surface water quality					
3745-4-03	A2div	shall	sampling techniques and water quality sampling equipment.	6111.51, 6111.53	State required ORC 6111.53 (A)	no	yes	no
			The applicant shall demonstrate through education or experience a general knowledge of					
3745-4-03	A3ai	shall	stream and riverine physical forms and habitat features.	6111.51, 6111.53	State required ORC 6111.53 (A)	no	yes	no
			Within the past one year, the applicant shall have attended training and achieved a passing					
			mark in stream habitat assessment "Qualitative Habitat Evaluation Index" (QHEI) testing					
			offered by Ohio EPA or a person authorized pursuant to this chapter to provide such					
3745-4-03	A3aii	shall	training.	6111.51, 6111.53	State required ORC 6111.53 (A)	no	yes	no
			The applicant shall demonstrate through education or experience a general knowledge of					
3745-4-03	A3bi	shall	stream and riverine physical forms and habitat features.	6111.51, 6111.53	State required ORC 6111.53 (A)	no	yes	no
			Within the past one year the applicant shall have attended training and achieved a passing					
			mark in QHEI, biocriteria and "Headwater Habitat Evaluation Index" (HHEI) testing offered					
3745-4-03	A3bii	shall	by Ohio EPA or a person authorized pursuant to this chapter to provide such training.	6111.51, 6111.53	State required ORC 6111.53 (A)	no	yes	no
			The applicant shall, within the past one year, have attended training to conduct fish					
			assessments and habitat assessments and achieved a passing mark in a program offered by					
3745-4-03	A3ci	shall	Ohio EPA or a person authorized under this chapter to administer such training.	6111.51, 6111.53	State required ORC 6111.53 (A)	no	yes	no
			The applicant shall satisfy the requirements of stream habitat assessment in paragraph					
3745-4-03	A3cii	shall	(A)(3)(a) of this rule.	6111.51, 6111.53	State required ORC 6111.53 (A)	no	yes	no
			The applicant shall demonstrate knowledge of Ohio EPA electrofishing sampling protocols					
3745-4-03	A3ciii	shall	and data assessment procedures.	6111.51, 6111.53	State required ORC 6111.53 (A)	no	yes	no
3745-4-03	A3ciii	shall	This knowledge shall be tested under provisions in paragraph (A)(3)(c)(i) of this rule.	6111.51, 6111.53	State general authority	no	no	no
			The applicant shall demonstrate knowledge of and the ability to accurately use fish	<u> </u>				
			taxonomic references and dichotomous keys to identify midwestern fish to the level of					
3745-4-03	A3civ	shall	species.	6111.51, 6111.53	State required ORC 6111.53 (A)	no	yes	no
			10 - 10				,	
3745-4-03	A3civ	shall	This knowledge shall be tested under provisions in paragraph (A)(3)(c)(i) of this rule.	6111.51, 6111.53	State general authority	no	no	no
	,	Silan	The applicant shall have college-level course credit in ichthyology or two years of experience					
3745-4-03	Ac3v	shall	in the identification of midwestern fish species.	6111.51, 6111.53	State required ORC 6111.53 (A)	no	yes	no
5775 7 05	7.034	Jilali	in the identification of minwestern for species.	0111.01, 0111.00	State required one offices	lio	l A C 2	IIIO

	<u> </u>	<u> </u>						
			The applicant shall have completed and achieved passing marks in undergraduate core					
2745 4 02			course work in limnology, aquatic biology, environmental sciences or a related discipline, or		S			
3745-4-03	A3cvi	shall	has two years of practical experience in environmental assessment work.	6111.51, 6111.53	State required ORC 6111.53 (A)	no	yes	no
			The applicant shall have two years of practical experience involving work in developing					
			biological water quality sampling and analysis plans, quality assurance plans, and data					
3745-4-03	A3cvii	shall	quality objectives processes.	6111.51, 6111.53	State required ORC 6111.53 (A)	no	yes	no
			The applicant shall have two years of practical experience in using electrofishing sampling					
3745-4-03	A3cviii	shall	techniques.	6111.51, 6111.53	State required ORC 6111.53 (A)	no	yes	no
			The applicant shall demonstrate thorough education or experience a general knowledge of					
3745-4-03	A3di	shall	stream and riverine physical forms and habitat features.	6111.51, 6111.53	State required ORC 6111.53 (A)	no	yes	no
			The applicant shall, within the last two years, have attended training to conduct					
			macroinvertebrate assessments and achieved a passing mark in a program offered by Ohio					
3745-4-03	A3dii	shall	EPA or a person authorized under this chapter to administer such training.	6111.51, 6111.53	State required ORC 6111.53 (A)	no	yes	no
			The applicant shall have knowledge of Ohio EPA macroinvertebrate field sampling,					
3745-4-03	A3diii	shall	laboratory analysis, and data assessment procedures.	6111.51, 6111.53	State required ORC 6111.53 (A)	no	yes	no
3745-4-03	A3diii	shall	This knowledge shall be tested under provisions in paragraph (A)(3)(d)(i) of this rule.	6111.51, 6111.53	State general authority	no	no	no
			The applicant shall have knowledge of and the ability to accurately use macroinvertebrate					
			taxonomic references and dichotomous keys to identify midwestern aquatic					
3745-4-03	A3div	shall	macroinvertebrates to the level of taxonomy used by Ohio EPA.	6111.51, 6111.53	State required ORC 6111.53 (A)	no	yes	no
3745-4-03	A3div	shall	This knowledge shall be tested under provisions in paragraph (A)(3)(d)(i) of this rule.	6111.51, 6111.53	State general authority	no	no	no
			The applicant shall have college-level course credit in aquatic invertebrate zoology or two					
3745-4-03	A3dv	shall	years of practical experience in the identification of aquatic macroinvertebrates	6111.51, 6111.53	State required ORC 6111.53 (A)	no	yes	no
			The applicant shall have completed and achieved passing marks in undergraduate core					
			course work in limnology, aquatic biology, environmental sciences or a related discipline, or					
3745-4-03	A3dvi	shall	has two years of practical experience in environmental assessment work.	6111.51, 6111.53	State required ORC 6111.53 (A)	no	yes	no
			The applicant shall have two years of practical experience involving work in developing					
			biological water quality sampling and analysis plans, quality assurance plans, and data					
3745-4-03	A3dvii	shall	quality objectives processes.	6111.51, 6111.53	State required ORC 6111.53 (A)	no	yes	no
			The applicant shall demonstrate through education or experience a general knowledge of					
3745-4-03	A3ei	shall	stream and riverine or lake physical forms and habitat features.	6111.51, 6111.53	State required ORC 6111.53 (A)	no	yes	no
			The applicant shall have completed and achieved passing marks in undergraduate core					
			course work in a biological, microbiological, chemical, natural or physical science, or has fou	r				
			years of pertinent laboratory experience performing water quality testing and analysis, or					
			has four years of pertinent experience in chemical or microbiological water quality data					
3745-4-03	A3eii	shall	analysis, interpretation and report writing.	6111.51, 6111.53	State required ORC 6111.53 (A)	no	yes	no
			The applicant shall have two years of practical experience involving work in developing				-	
			chemical or microbiological surface water quality sampling and analysis plans, quality					
3745-4-03	A3eiii	shall	assurance plans, and data quality objectives processes.	6111.51, 6111.53	State required ORC 6111.53 (A)	no	yes	no
			The applicant shall have two years of practical experience involving surface water quality				-	
3745-4-03	A3eiv	shall	sampling techniques and water quality sampling equipment.	6111.51, 6111.53	State required ORC 6111.53 (A)	no	yes	no
			The QDC shall monitor, assess and document the apprentice and provide an interim and				-	
3745-4-03	A3f	shall	final written evaluation of the apprentice to the director.	6111.51, 6111.53	State general authority	no	no	no
			Accepting the apprenticeship as fulfillment of level 3 QDC qualifications shall be at the			1		
3745-4-03	A3f	shall	discretion of the director.	6111.51, 6111.53	State general authority	no	no	yes
			An applicant seeking to become a QDC shall submit to the director a complete and current			1		ľ
3745-4-03	B1	shall	application on forms provided by the director.	6111.51, 6111.53	State general authority	no	no	no
				·	,			
			The application shall include documentation demonstrating that the applicant completed					
3745-4-03	B1	shall	water quality monitoring training described in paragraph (A) of this rule.	6111.51, 6111.53	State required ORC 6111.53 (A)	no	yes	no
			An applicant shall submit copies of official transcripts from the appropriate educational	,	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	-	7	-
			institution and official training certifications or alternate required documentation to verify					
			that the applicant meets the educational and training requirements set forth in paragraph					
3745-4-03	В2	shall	(A) of this rule.	6111.51, 6111.53	State general authority	no	no	lno
		1==	TV C T T T T					

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			The level 2 and level 3 applicants shall certify that all information submitted in support of					
			the application is true, accurate, and complete and that the applicant has not been					
			convicted of or pleaded guilty to a violation of section 2911.21 of the Revised Code (criminal	1				
3745-4-03	В3	shall	trespass) or a substantially similar municipal ordinance within the previous five years.	6111.51, 6111.53	State required ORC 6111.53 (D)	no	vos	no
3745-4-03	B3	shall	Failure to include the certification shall render the application incomplete	6111.51, 6111.53	State required ORC 6111.53 (D) State required ORC 6111.53 (D)	no no	yes ves	no
3745-4-03	ВЭ	Stidii	Ohio EPA shall conduct a completeness review of the application and shall notify the	0111.51, 0111.55	State required ORC 6111.55 (D)	ПО	yes	no no
3745-4-03	B4	shall	applicant in the event the application is incomplete.	6111.51, 6111.53	State general authority			vec.
3745-4-03	D4	Stidii	Ohio EPA shall conduct a completeness review of the application and shall notify the	0111.51, 0111.55	State general authority	no	no	yes
3745-4-03	B4	shall	applicant in the event the application is incomplete.	6111.51, 6111.53	State general authority	no	no	vos
3743-4-03	D4	Sildii	Ohio EPA shall not consider an incomplete application and shall notify the applicant of the	0111.51, 0111.55	State general authority	no	110	yes
			reasons the application is incomplete and of any additional information required for further					
3745-4-03	B4	shall not	consideration.	6111.51, 6111.53	State general authority	no	no	vos
3743-4-03	D4	Stidil flot	Ohio EPA shall not consider an incomplete application and shall notify the applicant of the	0111.51, 0111.55	State general authority	no	no	yes
			reasons the application is incomplete and of any additional information required for further					
3745-4-03	B4	shall	consideration.	6111.51, 6111.53	State general authority	no	no	yes
3743-4-03	104	Silali	The director shall either approve or deny a complete application by sending a letter to the	0111.51, 0111.55	State general authority	110	110	yes
3745-4-03	B5	shall	applicant.	6111.51, 6111.53	State general authority	no	no	yes
3743-4-03	D3	Silali	If the director denies the application, the director shall identify the deficiencies upon which	·	State general authority	110	110	yes
3745-4-03	B5	shall	the denial of the application is based.	6111.51, 6111.53	State general authority	no	no	yes
3745-4-03	B6	shall	The director shall maintain a list of approved, active QDCs.	6111.51, 6111.53	State general authority	no	no	yes
3743 4 03	50	Shan	The director shall maintain a list of approved, active QDCs.	0111.51, 0111.55	State general dutiloney	110	110	yes
			The active QDC list shall provide the organization with which the QDC is affiliated, the					
3745-4-03	В6	shall	approval level and specialty, the QDC number, and expiration date of the status.	6111.51, 6111.53	State general authority	no	no	yes
3743 4 03	50	Shan	The current QDC list shall be displayed on the credible data web page at:	0111.51, 0111.55	State general dutiloney	110	110	yes
3745-4-03	В6	shall	http://www.epa.ohio.gov/dsw/credibledata/current_QDCs.aspx.	6111.51, 6111.53	State general authority	no	no	yes
3745-4-03	C1	shall not	Status as level 1 QDC shall not expire and a renewal application is not required.	6111.51, 6111.53	State general authority	no	no	no
07.10 1.00	02	5.1.0.1	Status as a level 2 QDC shall automatically expire five years after the date of approval of the		otate general authority	0		0
3745-4-03	C2	shall	application unless the approval has been renewed.	6111.51, 6111.53	State general authority	no	no	no
			Status as a level 3 QDC shall automatically expire two years after the date of approval of the	·	- tare general desirent			177
			application unless the approval has been renewed or a timely renewal application has been					
3745-4-03	СЗ	shall	submitted in accordance with this rule.	6111.51, 6111.53	State general authority	no	no	no
			Notwithstanding the above, status as a level 3 QDC shall automatically be renewed for a	, , , , , , , , , , , , , , , , , , , ,	,			
			period of three years without submission of an application, where the QDC has submitted					
			data while in the status of a level 3 QDC and the director has determined the data to be leve	el				
3745-4-03	СЗ	shall	3 data.	6111.51, 6111.53	State general authority	no	no	no
				,	,			
			The automatic renewal process can proceed on a rolling basis and each three-year renewal					
			period shall be deemed effective beginning on the date the last sample was collected, or for					
			taxonomic identification of benthic macroinvertebrates the date the last sample was					
3745-4-03	C3	shall	processed, under the confines of an approved study plan.	6111.51, 6111.53	State general authority	no	no	no
3745-4-03	C3	shall	The data shall have been submitted to the Agency.	6111.51, 6111.53	state required ORC 6111.53 (D)	no	yes	no
			Except as provided in paragraph (C)(3) of this rule, an applicant seeking renewal of the					
			applicant's status as a level 2 or level 3 QDC shall submit to the director a renewal					
			application prior to the date of expiration of the applicant's status as a level 2 or level 3					
3745-4-03	C4	shall	QDC.	6111.51, 6111.53	State general authority	no	no	no
3745-4-03	C4ai	shall	Renewal applications shall be on forms for that purpose available from Ohio EPA.	6111.51, 6111.53	State general authority	no	no	no
			The renewal application shall provide a means to re-submit the original application, if					
3745-4-03	C4aii	shall	appropriate, or to update and amend the original application as necessary.	6111.51, 6111.53	State general authority	no	no	no
			Ohio EPA shall approve or deny the renewal application in accordance with the procedures					
3745-4-03	C4aiii	shall	set forth in paragraphs (B)(4) and (B)(5) of this rule.	6111.51, 6111.53	State general authority	no	no	yes
			A QDC with a lapsed status extending beyond these time periods shall submit a full					
3745-4-03	C4biv	shall	application as specified in paragraph (B) of this rule.	6111.51, 6111.53	State general authority	no	no	no
			Upon making a finding under paragraph (D)(1) of this rule, the director shall first issue a					
			proposed action revoking QDC status in accordance with Chapter 3745-49 of the					
3745-4-03	D2	shall	Administrative Code.	6111.51, 6111.53	State general authority	no	no	yes
3745-4-03	D3	shall	The director shall notify the QDC of a proposed action under paragraph (D)(2) of this rule.	6111.51, 6111.53	State general authority	no	no	yes

				1				
			The notice shall be by certified mail and shall set forth the period of ineligibility proposed by	/				
			the director, the proposed effective date thereof, the reason therefor, the length of the					
3745-4-03	D3	shall	proposed period of ineligibility, and the procedure for appealing the action.	6111.51, 6111.53	State general authority	no	no	yes
			The notice shall be by certified mail and shall set forth the period of ineligibility proposed by					
			the director, the proposed effective date thereof, the reason therefor, the length of the	<b>/</b>				
3745-4-03	D3	shall		C111 F1 C111 F2	State general suith suits			lua-
3745-4-03	U3	Sildii	proposed period of ineligibility, and the procedure for appealing the action.  Revocation of QDC status shall state a period during which the individual shall not apply for	6111.51, 6111.53	State general authority	no	no	yes
3745-4-03	D4	shall	such status.	6111.51, 6111.53	State general authority	no	no	luos .
3743-4-03	D4	Silali	Revocation of QDC status shall state a period during which the individual shall not apply for	·	State general authority	no	no	yes
3745-4-03	D4	shall not	such status.	6111.51, 6111.53	State general authority	no	no	no
3743 4 03	D-7	Shan not	An individual seeking to become a QDC trainer for level 1 credible data shall include with the		State general dutiloney		110	110
			application to become a level 1 QDC trainer, documentation demonstrating all of the					
3745-4-03	E1	shall	following:	6111.51, 6111.53	State required ORC 6111.53 (A)	no	yes	no
3743-4-03		Silaii	Tollowing.	0111.51, 0111.55	State required ONC 0111.33 (A)	110	yes	110
			Training required for level 2 or level 3 QDC status shall be performed by Ohio EPA, Ohio					
3745-4-03	E2	shall	EPA's contractors or a third-party trainer having qualifications as a subject matter expert.	6111.51, 6111.53	State required ORC 6111.53 (A)	no	yes	no
0,101.00		5.16.1	A person interested in offering the training required for level 2 or level 3 QDC shall have the		State required one office (r.)		700	110
3745-4-03	E2a	shall	following qualifications:	6111.51, 6111.53	State required ORC 6111.53 (A)	no	yes	no
			A person interested in offering training shall submit a written application to the director		outer requirement and account (1)		7-22	
3745-4-03	E2b	shall	with the following information:	6111.51, 6111.53	State general authority	no	no	no
3745-4-03	E2c	shall	The director shall either approve or deny the application by sending a letter to the applicant	t. 6111.51. 6111.53	State general authority	no	no	yes
	-		If the director denies the application, the director shall identify the deficiencies upon which	· ·	,			
3745-4-03	E2c	shall	the denial of the application is based.	6111.51, 6111.53	State general authority	no	no	yes
3745-4-03	E3b	shall	All level 3 QDC trainees shall be tested by Ohio EPA or Ohio EPA's contractors.	6111.51, 6111.53	State general authority	no	no	yes
			Notwithstanding paragraph (E) of this rule, an individual, or an individual who works for an		,			
			organization, contracted by Ohio EPA to conduct QDC training shall be an approved QDC					
3745-4-03	F	shall	trainer for the life of that contract.	6111.51, 6111.53	State general authority	no	no	no
3745-4-03	F	shall	Trainers' qualifications shall be evaluated by Ohio EPA staff as part of the contract process.	6111.51, 6111.53	State general authority	no	no	yes
			For level 3 fish and macroinvertebrate certification, field collection and taxonomic					
3745-4-03	A3f	must	identification must be included as part of the apprenticeship.	6111.51, 6111.53	State general authority	no	no	no
			If accepted, the applicant must take and pass the level 3 test for the specialty following the					
3745-4-03	A3f	must	completion of the apprenticeship.	6111.51, 6111.53	State general authority	no	no	no
3745-4-03	B1	must	Applications must be submitted within the time limits provided in paragraph (A) of this rule.	· ·	State general authority	no	no	no
			The director may grant a waiver extending the period during which the applicant must apply	У				
			for QDC status if the applicant can document that extenuating circumstances prevented a					
3745-4-03	B1	must	timely submission.	6111.51, 6111.53	State general authority	no	no	no
			The director may require the applicant to furnish additional documentation pertaining to th					
3745-4-03	B1	require	application.	6111.51, 6111.53	State general authority	no	no	yes
			An applicant shall submit copies of official transcripts from the appropriate educational					
			institution and official training certifications or alternate required documentation to verify					
2745 4 02			that the applicant meets the educational and training requirements set forth in paragraph	5444 54 5444 53				
3745-4-03	B2	require	(A) of this rule.	6111.51, 6111.53	State general authority	no	no	no
			Ohio EPA shall not consider an incomplete application and shall notify the applicant of the					
2745 4 02	D.4	wai	reasons the application is incomplete and of any additional information required for further		State general authority		20	
3745-4-03 3745-4-03	B4 C1	require	consideration.  Status as level 1 QDC shall not expire and a renewal application is not required.	6111.51, 6111.53 6111.51, 6111.53	State general authority	no no	no	no
3/43-4-03	CI	require	Status as level 1 QUC shall hot expire and a renewal application is not required.	0111.51, 0111.55	State general authority	IIIO	IIU	no
			Training required for level 2 or level 3 QDC status shall be performed by Ohio EPA, Ohio					
2745 4 02	E2	roquiro		6111 51 6111 52	State general authority		no	
3745-4-03	E2	require	EPA's contractors or a third-party trainer having qualifications as a subject matter expert.	6111.51, 6111.53	State general authority	no	no	no
2745 4 02	E22	roquiro	A person interested in offering the training required for level 2 or level 3 QDC shall have the following qualifications:		State general authority		no	
3745-4-03	E2a	require	Five or more years of practical experience performing the full set of skills required for the	6111.51, 6111.53	State general authority	no	no	no
3745-4-03	E2aii	require	QDC level and specialty.	6111.51, 6111.53	State general authority	no	no	no
3/43-4-03	LZall	require	Que level allu specialty.	0111.01, 0111.00	State general authority	no	по	IIIU

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1974   A	3745-4-04	A	shall	'	6111.51	State general authority	no	no	no
The first control of the control o									
2014   24	3/45-4-04	A	shall		6111.51	I state required orc 6111.53 (C)	no	no	yes
170,0-640   A   Data   Data recovery, well-be in a fermat consistent will the executements interior the bids of the control	2745 4 04				C444 E4				
1705-1-04    S.	3745-4-04	A	snaii	requirements.	6111.51	State general authority	no	no	yes
1705-1-04    S.	2745 4 04	_	chall	Data reporting shall be in a format consistent with the requirements listed in this rule	6111 51	State general authority		200	
Processes   Proc	3745-4-04	A	Sildii	Data reporting shan be in a format consistent with the requirements listed in this rule.	0111.51	State general authority	110	110	110
Processes   Proc	2745 4 04	D	chall	Data submitted by a ODC shall most the following to be assented as level 1 credible data	6111 E1	State general authority	no	no	lno.
178.4 of 1   10   10   10   10   10   10   10	3743-4-04	В	Silali		0111.51	State general authority	110	110	nio in
The GOC shall propose and stands from the discrete for large quality pales using control on good processing program guidance of the control o	37/15-/1-0/	R1	chall		6111 51	state required arc 6111 53 (C)	no	no	no
Secretarian monitoring pages gainers entered in common monitoring program gainare and secretary and secretary of the common monitoring program gainare and secretary and	3743-4-04	DI.	Silali		0111.51	state required orc offices	110	110	nio in
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Upon completion of the plane review, the discrete character of discretions of discretions in the plane review, the discrete character of the plane review in the plane of the property of the entitle shared of the plane of the p	3745-4-04	R1a	shall		6111 51	State general authority	no	no	no
April   Apri	07.00.00	124	51.011	·	0111.01	state general administry			
249-4-04   24   25   25   25   25   25   25   2									
A plan submitted by a QCC root disappeared which sample dispers to initial submitted by a constitution of efficiently was been suproved.  JA16-04 920 shall shall be considered to lave been approved.  A plan submitted by a QCC root disappeared within stay day of my retried submitted.  A plan submitted by a QCC root disappeared within stay day of my retried submitted.  A plan submitted by a QCC root disappeared within stay day of my retried submitted.  A plan submitted by a QCC root disappeared within stay day of my retried submitted.  A plan submitted by a QCC root disappeared within stay day of my retried submitted.  A plan submitted by a QCC root disappeared within stay day of my retried submitted.  A plan submitted by a QCC root disappeared within stay day of my retried submitted.  B programme in paragraph (1) (1) of this rule.  B p	3745-4-04	B1b	shall		6111.51	State general authority	no	no	ves
where a soffination of deficiency has been issued, within soxy days of any enimal outwinstal.    Secondary   Continue   C				1 ,		, ,			ĺ
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Apine nationsteed by a CDC and disapproved within sixty days of the initial submertable of where a conflictation of delicities yets been incurred. Within sixty days of the mind a lutimentable of the conflictation of delicities yets been incurred.  3765-640 0.55	3745-4-04	B1b	shall		6111.51	State required ORC 6111.53 (C)	no	no	no
And the second s				A plan submitted by a QDC not disapproved within sixty days of the initial submittal or,					
The director shall disapprove a site specific pain that does not include the certification   1,000									
3745-4-04   31	3745-4-04	B1c	shall	shall be considered to have been approved.	6111.51	State required ORC 6111.53 (C)	no	no	no
In premating the project study plan, the QDC, shall the responsible for selecting the appropriate field and laborating methods, including quality scars an equality control steps, and appropriate field and laborating methods, including quality scars an equality control steps, and appropriate field and laborating methods, shall submission of data may be done at any time, but shall be done no later than one year after a shall congestion of the stany be done at any time, but shall be done no later than one year after a shall congestion of data may be done at any time, but shall be done no later than one year after a shall congestion of data may be done at any time, but shall be done no later than one year after a shall that the data reporting dataly search one prices study year.  The following shall be submisted to the fire project study year.  The following shall be submisted by a QDC, that appropriate lets methods and quality control/quality searcance practices were used, and that the data reporting requirements are complete.  The review shall ensure that all components of the plan for the collection of data were collected as that all the data are porting requirements are complete.  The review shall ensure that all components of the plan for the collection of data were collected as that all the data are porting of such as a shall to the data are collected and accordance with the procedure sequeled by the approved of suppropriate let well test methods and submissions acceptable as level 1 data.  The director shall maintain a record of all submissions acceptable as level 1 data.  The director shall maintain a record of all submissions acceptable as level 1 data.  The director shall not for the shall publish the shall be data collection (project study plan.  The director shall not be best of the QDC's inowindge and belief, the data were collected as a shall be provided by paragraph (1) of rela 23/45 of the Administrative Code.  The director shall not be 33/45 of the Administrative Code as a shall be pursuant to the				The director shall disapprove a site-specific plan that does not include the certification					
Appropriate field and laboratory methods, including quality assurance/quality control steps, and a purpose of the data collection or project.   6111.55   State general authority   no	3745-4-04	B1d	shall	statement in paragraph (B)(3)(c) of this rule.	6111.51	State required ORC 6111.53 (D)	no	no	yes
1				In preparing the project study plan, the QDC shall be responsible for selecting the					
3745-404   83   shall   ODCs choosing to submit data to Otho EPA shall submit all collected data.   S11151 State required ORC 6111.53 (D)   no   no   no   no   no   no   no   n				appropriate field and laboratory methods, including quality assurance/quality control steps,					
Submission of data may be done at any time, but shall be done not later than one year after any face, but shall be done not later than one year after any face, but shall be done not later than one year after any face, but shall be formed to the project study plane.  3785-040 83 shall In the following shall be submissions to werify that they were submissions are complete.  3785-040 84 shall for the collection of data were followed:  3785-040 85 shall or the detector shall maintain a record of all submissions acceptable as level 1 data.  3785-040 86 shall The director from time to time shall publish examples of appropriate level 1 test methods of a propriate lev	3745-4-04			that fit the objectives and purpose of the data collection project.			no	no	no
3745-404   83   shall   completion of the study identified in the project study plan.   6111.51 State general authority   no   no   no   no   no   no   3745-404   83   shall   the director shall review data submissions to verify that they were submitted by a ODC, that appropriate test methods and quality control/quality assurance practices were used, and   submission to verify that they were submitted by a ODC, that appropriate test methods and quality control/quality assurance practices were used, and   followed   no   no   no   no   yes	3745-4-04	В3	shall		6111.51	State required ORC 6111.53 (D)	no	no	no
3735-4-04 83 shall ne following shall be submitted  The director shall review data submissions to verify that they were submitted by a QDC, that appropriate text methods and quality control/quality assurance practices were used, and part of the data politic period of the period of the period of the politic period of the politic period of the period of the politic period of the peri									
The director shall review data submissions to verify that they were submitted by a QDC, that appropriate test methods and quality control/quality assurance practices were used, and that the data reporting requirements are complete.  The review shall ensure that all components of the plan for the collection of data were followed by a shall be in a format consistent with the requirements listed in this rule.  The director shall accept the data as level 2 credible data:  The director shall accept the data as level 2 credible data:  The director shall have sole authority in determining whether data meet these followed by a QDC shall meet the following to be accepted as level 2 credible data:  The director shall by a QDC shall meet the following to be accepted as level 2 credible data:  The director								-	
appropriate test methods and quality control/quality assurance practices were used, and that the data reporting requirements are complete.  The review shall ensure that all components of the plan for the collection of data were foliated as shall in followed for time shall publish examples of appropriate level 1 data.  The director shall maintain a record of all submissions acceptable as level 1 data.  The director from time to time shall publish examples of appropriate level 1 test methods for commonly sampled parameters.  A certification that, to the best of the QDC's knowledge and belief, the data were collected and submitted to the director for consideration as level 2 credible data shall be collected and submitted to the director for consideration as level 2 credible data shall be collected and submitted to the director for consideration as level 2 credible data provided the requirements of this filter of the director shall as easy and the director shall as easy and the director of the data provided the requirements of this filter of the director shall as easy and the director of this filter of the data provided the requirements of this filter of the director shall as easy and the director of the data provided the requirements of this filter of the director shall as easy and the director of the data provided the requirements of this filter of the director shall as easy and the director shall as easy and the director shall as a slevel 2 credible data provided the requirements of this filter of the director shall as easy and the director shall as a slevel 2 credible data provided the requirements is ted in this rule.  The director shall as easy and the director shall as easy	3745-4-04	B3	shall	-	6111.51	State general authority	no	no	no
3745-4-04 B4 shall that the data reporting requirements are complete.  The review shall ensure that all components of the plan for the collection of data were followed  The review shall ensure that all components of the plan for the collection of data were followed  The director shall maintain a record of all submissions acceptable as level 1 data.  The director from time to time shall publish examples of appropriate level 1 test methods for commonly sampled parameters.  A certification that, to the best of the QDC's knowledge and belief, the data were collected in accordance with the procedures required by the approved project study plan.  A certification that, to the best of the QDC's knowledge and belief, the data were collected in accordance with the procedures required by the approved project study plan.  Except as provided by paragraph (1) of rule 2745-4-01 of the Administrative Code, all data submitted to the director for consideration as level 2 credible data shall be collected and submitted to the director shall accollectors (QDC) approved by the director and submitted to the director shall accept the data as level 2 credible data provided the requirements of this rule are met.  The director shall have sole authority in determining whether data meet these  The director shall have sole authority in determining whether data meet these  The director shall have sole authority in determining whether data meet these  The director shall have sole authority in determining whether data in this rule.  Shall  Data reporting shall be in a format consistent with the requirements listed in this rule.  Shall  Data submitted by a QDC shall meet the following to be accepted as level 2 credible data:  For the director shall be as a QDC under section of \$11.53\$ (tate general authority  For sons submitting data to Ohio EPA as a QDC under section \$11.53\$ of the Revised Code  For sons submitting data to Ohio EPA as a QDC under section \$11.53\$ of the Revised Code									
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3745-4-04 94 shall The director shall maintain a record of all submissions acceptable as level 1 data.  The director from time to time shall publish examples of appropriate level 1 test methods for commonly sampled parameters.  A certification that, to the best of the QDC's knowledge and belief, the data were collected in accordance with the procedures required by the approved project study plan.  A certification that, to the best of the QDC's knowledge and belief, the data were collected in accordance with the procedures required by the approved project study plan.  Except as provided by paragraph (D) of rule 3745-401 of the Administrative Code, all data submitted to the director for consideration as level 2 credible data shall be collected and submitted by level 2 or level 3 qualified data collectors (QDCs) approved by the director pursuant to rule 3745-40-3 of the Administrative Code  The director shall nave sole authority in determining whether data meet these  The director shall have sole authority in determining whether data meet these  The director shall have sole authority in determining whether data meet these  The director shall have sole authority in determining whether data meet these  The director shall have sole authority in determining whether data meet these  The director shall have sole authority in determining whether data meet these  The director shall have sole authority in determining whether data meet these  The director shall have sole authority in determining whether data meet these  The director shall have sole authority in determining whether data meet these  The director shall have sole authority in determining whether data meet these  The director shall have sole authority in determining whether data meet these  The director shall have sole authority in determining whether data meet these  The director shall have sole authority in determining whether data meet these  The director shall have sole authority in determining whether data meet these  The director shall have sole authority	2745 4 04	D.4	ah all	· · ·	C111 F	State required OBS S111 F3 /F)			
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3745-4-04 C shall for commonly sampled parameters.  A certification that, to the best of the QDC's knowledge and belief, the data were collected in accordance with the procedures required by the approved project study plan.  Except as provided by paragraph (D) of rule 3745-4-01 of the Administrative Code, all data submitted by level 2 or level 3 qualified data shall be collected and submitted by level 2 or level 3 qualified data collectors (QDCs) approved by the director or consideration as level 2 credible data shall be collected and submitted by level 2 or level 3 qualified data collectors (QDCs) approved by the director or the director shall accept the data as level 2 credible data provided the requirements of this 745-4-05 A shall rule are met.  S1745-4-05 A shall rule are met.  S1745-4-05 A shall requirements.  S1846-4-05 A shall requirements.  S1846-4-05 A shall Data reporting shall be in a format consistent with the requirements listed in this rule.  S1745-4-05 B shall Data submitted by a QDC shall meet the following to be accepted as level 2 credible data:  S1745-4-05 B shall Data submitted by a QDC shall meet the following to be accepted as level 2 credible data:  S1745-4-05 B shall Data submitted by a QDC shall meet the following to be accepted as level 2 credible data:  S1745-4-05 B shall Data submitted by a QDC shall meet the following to be accepted as level 2 credible data:  S1745-4-05 B shall Data submitted by a QDC shall meet the following to be accepted as level 2 credible data:  S1745-4-05 B shall Data submitted by a QDC shall meet the following to be accepted as level 2 credible data:  S1745-4-05 B shall Data submitted by a QDC shall meet the following to be accepted as level 2 credible data:  S1745-4-05 B shall Data submitted by a QDC shall meet the following to be accepted as level 2 credible data:  S1745-4-05 B shall Data submitted by a QDC shall meet the following to be accepted as level 2 credible data:  S1745-4-05 B shall Data submitted by a QDC shall meet the following to be accepted a	3745-4-04	D4	Sildii	·	0111.51	State general authority	110	110	yes
A certification that, to the best of the QDC's knowledge and belief, the data were collected in accordance with the procedures required by the approved project study plan.  Except as provided by paragraph (D) of rule 3745-4-01 of the Administrative Code, all data submitted to the director for consideration as level 2 credible data shall be collected and submitted by level 2 or level 3 qualified data cleators (QDCs) approved by the director pursuant to rule 3745-4-03 of the Administrative Code  The director shall accept the data as level 2 credible data provided the requirements of this rule are met.  The director shall have sole authority in determining whether data meet these  The director shall requirements.  A shall requirements.  A shall requirements.  The director shall have sole authority in determining whether data meet these  3745-4-05  A shall Data reporting shall be in a format consistent with the requirements listed in this rule.  6111.51 State general authority  no no no no  no no  no no  no no  no no  no no  no no  no no  no no  no no  no no  no no  no no  Persons submitting data to Ohio EPA as a QDC under section 6111.53 of the Revised Code	3745-4-04	_	chall		6111 51	State general authority	no	no	VAS
3745-4-04 B3b require in accordance with the procedures required by the approved project study plan. 6111.51 State general authority no	3743-4-04	<u> </u>	Silaii	Tor commonly sampled parameters.	0111.5	State general authority	110	110	yes
3745-4-04 B3b require in accordance with the procedures required by the approved project study plan. 6111.51 State general authority no				A certification that, to the best of the ODC's knowledge and belief, the data were collected					
Except as provided by paragraph (D) of rule 3745-4-01 of the Administrative Code, all data submitted to the director for consideration as level 2 credible data shall be collected and submitted by level 2 or level 3 qualified data collectors (QDCs) approved by the director pursuant to rule 3745-4-03 of the Administrative Code 6111.51 State general authority no	3745-4-04	B3b	require	·	6111.51	State general authority	no	no	no
submitted to the director for consideration as level 2 credible data shall be collected and submitted by level 2 or level 3 qualified data collectors (QDCs) approved by the director pursuant to rule 3745-4-03 of the Administrative Code  The director shall accept the data as level 2 credible data provided the requirements of this rule are met.  The director shall have sole authority in determining whether data meet these  The director shall have sole authority in determining whether data meet these  The director shall have sole authority in determining whether data meet these  The director shall have sole authority in determining whether data meet these  The director shall have sole authority in determining whether data meet these  The director shall have sole authority in determining whether data meet these  The director shall have sole authority in determining whether data meet these  The director shall have sole authority in determining whether data meet these  The director shall have sole authority in determining whether data meet these  The director shall have sole authority in determining whether data meet these  The director shall have sole authority in determining whether data meet these  The director shall have sole authority in determining whether data meet these  The director shall accept the data as level 2 credible data:  The director shall accept the data as level 2 credible data:  The director shall accept the data as level 2 credible data:  The director shall accept the data as level 2 credible data:  The director shall accept the data as level 2 credible data:  The director shall accept the data as level 2 credible data:  The director shall accept the data as level 2 credible data:  The director shall accept the data as level 2 credible data:  The director shall accept the data as level 2 credible data:  The director shall accept the data as level 2 credible data:  The director shall accept the data as level 2 credible data:  The director shall accept the data as level 2 credible data:  The dire	07.10 1 01				0111.01	state general damenty			
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3745-4-05 A shall pursuant to rule 3745-4-03 of the Administrative Code 6111.51 State general authority no									
The director shall accept the data as level 2 credible data provided the requirements of this rule are met.  The director shall have sole authority in determining whether data meet these shall requirements.  The director shall have sole authority in determining whether data meet these following to be accepted as level 2 credible data:  The director shall have sole authority in determining whether data meet these following to be accepted as level 2 credible data:  The director shall accept the data as level 2 credible data provided the requirements of this full in the requirements of the requirements of this full in the requirements of the requir	3745-4-05	А	shall		6111.51	State general authority	no	no	no
3745-4-05 A shall rule are met.  The director shall have sole authority in determining whether data meet these 3745-4-05 A shall requirements.  3745-4-05 A shall Data submitted by a QDC shall meet the following to be accepted as level 2 credible data:  3745-4-05 B shall Data submitted by a QDC shall meet the following to be accepted as level 2 credible data:  3745-4-05 B Persons submitting data to Ohio EPA as a QDC under section 6111.53 of the Revised Code  3745-4-05 C No				The director shall accept the data as level 2 credible data provided the requirements of this					
The director shall have sole authority in determining whether data meet these shall requirements.  The director shall have sole authority in determining whether data meet these following to be accepted as level 2 credible data:  The director shall have sole authority in determining whether data meet these following to be accepted as level 2 credible data:  The director shall have sole authority in determining whether data meet these following to be accepted as level 2 credible data:  The director shall have sole authority in determining whether data meet these following to be accepted as level 2 credible data:  The director shall have sole authority in determining whether data meet these following to be accepted as level 2 credible data:  The director shall have sole authority in determining whether data meet these following to be accepted as level 2 credible data:  The director shall have sole authority in determining whether data meet these following to be accepted as level 2 credible data:  The director shall have sole authority in determining whether data meet these following to be accepted as level 2 credible data:  The director shall have sole authority in determining whether data meet these following to be accepted as level 2 credible data:  The director shall have sole authority in determining whether data meet the following to be accepted as level 2 credible data:  The director shall have sole authority in determining whether data meet the following to be accepted as level 2 credible data:  The director shall have shall be in a format consistent with the requirements listed in this rule.  The director shall have shall be in a format consistent with the requirements listed in this rule.  The director shall have shall be in a format consistent with the requirements listed in this rule.  The director shall have shall be in a format consistent with the requirements listed in this rule.  The director shall have shall be in a format consistent with the requirements listed in this rule.  The director shall ha	3745-4-05	А	shall		6111.51	state required orc 6111.53 (C)	no	no	yes
3745-4-05 A shall Data reporting shall be in a format consistent with the requirements listed in this rule.  3745-4-05 B shall Data submitted by a QDC shall meet the following to be accepted as level 2 credible data:  4611.51 State general authority  511.51 State general authority  6110.51 State general authority  710 no  810 no  811.51 State general authority  811.51 State general authority  811.51 State general authority  811.51 State general authority  812 no  813 no  813 no  814 no  815 no  815 no  816 no  817 no  817 no  818 no  819 no  81				The director shall have sole authority in determining whether data meet these					
3745-4-05 B shall Data submitted by a QDC shall meet the following to be accepted as level 2 credible data: 6111.51 State general authority no no no no Persons submitting data to Ohio EPA as a QDC under section 6111.53 of the Revised Code	3745-4-05	А	shall	requirements.	6111.51	State general authority	no	no	yes
3745-4-05 B shall Data submitted by a QDC shall meet the following to be accepted as level 2 credible data: 6111.51 State general authority no no no no Persons submitting data to Ohio EPA as a QDC under section 6111.53 of the Revised Code									
Persons submitting data to Ohio EPA as a QDC under section 6111.53 of the Revised Code	3745-4-05	А	shall	. Data reporting shall be in a format consistent with the requirements listed in this rule.	6111.51	State general authority	no	no	no
Persons submitting data to Ohio EPA as a QDC under section 6111.53 of the Revised Code									
	3745-4-05	В	shall		6111.51	State general authority	no	no	no
3745-4-05  B1  shall  shall prepare and adhere to a project study plan.   6111.51  state required orc 6111.53 (C)   no   no   no									
	3745-4-05	B1	shall	shall prepare and adhere to a project study plan.	6111.51	state required orc 6111.53 (C)	no	no	no

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			The QDC shall prepare and submit to the director for approval a project study plan using the					
3745-4-05	B1a	shall	guidelines presented in appendix A to this rule.	6111.51	State general authority	no	no	no
			Upon completion of the plan review, the director shall send written notification of					
			deficiencies in the plan, if any are found, to the QDC and provide the QDC a reasonable					
3745-4-05	B1b	shall	opportunity to address such deficiencies.	6111.51	State general authority	no	no	yes
			A plan submitted by a QDC (level 2 or level 3) not disapproved within sixty days of the initial					
			submittal or, where a notification of deficiency has been issued, within sixty days of any					
3745-4-05	B1b	shall	revised submittal, shall be considered to have been approved.	6111.51	State required ORC 6111.53 (C)	no	no	no
			A plan submitted by a QDC (level 2 or 3) not disapproved within sixty days of the initial					
			submittal or, where a notification of deficiency has been issued, within sixty days of any					
3745-4-05	B1c	shall	revised submittal, shall be considered to have been approved.	6111.51	State required ORC 6111.53 (C)	no	no	no
			The director shall disapprove a site-specific plan that does not include the certification					
3745-4-05	B1d	shall	statement in paragraph (B)(4)(e) of this rule.	6111.51	State required ORC 6111.53 (D)	no	no	yes
			In preparing the project study plan, the QDC shall be responsible for selecting the					
			appropriate field and laboratory methods, including quality assurance and quality control					
3745-4-05	B2	shall	steps, that fit the objectives and purpose of the project.	6111.51	State general authority	no	no	no
			Explicit approval of the specific methods employed shall occur when Ohio EPA reviews					
3745-4-05	B2	shall	project study plans.	6111.51	State general authority	no	no	no
			All laboratories that perform analysis under a level 2 study plan shall implement a quality					
			assurance program and shall document all elements of the program in a quality assurance					
3745-4-05	В3	shall	manual (QAM) or quality assurance plan (QAP).	6111.51	State general authority	no	no	no
			All laboratories that perform analysis under a level 2 study plan shall implement a quality		,			
			assurance program and shall document all elements of the program in a quality assurance					
3745-4-05	В3	shall	manual (QAM) or quality assurance plan (QAP).	6111.51	State general authority	no	no	no
3745-4-05	B4	shall	QDCs choosing to submit data to Ohio EPA shall submit all collected data.		State required ORC 6111.53 (D)	no	no	no
			Submission of data may be done at any time, but shall be done no later than one year after				112	11-
3745-4-05	B4	shall	completion of the study identified in the project study plan.	6111.51	State general authority	no	no	no
3745-4-05	B4	shall	The following shall be submitted:		State general authority	no	no	no
07.15 1.05		J. Tan	In addition to the information required by paragraph (B)(4) of this rule, the QDC, upon	0111.01	State general authority			
			request of the director, shall provide quality assurance and quality control documentation					
			for all laboratories that were used to analyze any data collected pursuant to the approved					
3745-4-05	B5	shall	project study plan.	6111 51	State general authority	no	no	no
3743-4-03	D3	Silali	. The director shall review data submissions to verify that they were submitted by a QDC,	0111.51	State general authority	110	110	no no
			that appropriate test methods and quality control quality assurance practices were used,					
3745-4-05	В6	shall	and that the data reporting requirements are complete.	6111 51	State general authority	no	no	yes
3743-4-03	B0	Silali	and that the data reporting requirements are complete.	0111.51	State general authority	110	110	yes
			The director shall provide written notification to the person submitting the data as to					
3745-4-05	B6	shall	·	6111 51	state required 6111.53 (E)			luos
3745-4-05	БО	Stidii	whether the data have been approved and at what level the data qualify as credible data.  The director from time to time shall publish examples of acceptable level 2 analytical	0111.51	state required 6111.55 (E)	no	no	yes
2745 4 05	6	ala a II		C111 F1	Chaha ganagal ayah ayah .			
3745-4-05	Annandiu A 15	shall shall	methods for commonly sampled parameters.		State general authority	no	no no	yes
3745-4-05	Appendix A - 15	snaii	All voucher materials shall be kept for at least ten years.	6111.51	State general authority	no	no	no
			If norsans who are not lovel 2 or lovel 2 qualified data callectors are averaged to accept with					
			If persons who are not level 2 or level 3 qualified data collectors are expected to assist with					
			sample collection, sample analysis, or data entry, the plan must include detailed procedures (e.g., training, testing, follow-ups) for the supervision of those persons who are not level 2 or					
2745 4 05				6444.54				
3745-4-05	Appendix A - 3	must	level 3 qualified data collectors.	6111.51	State general authority	no	no	no
			All laboratories that perform analysis under a level 2 study plan shall implement a quality					
		1	assurance program and shall document all elements of the program in a quality assurance		la			
3745-4-05	Appendix B	shall	manual (QAM) or quality assurance plan (QAP).	6111.51	State general authority	no	no	no
			All laboratories that perform analysis under a level 2 study plan shall implement a quality					
			assurance program and shall document all elements of the program in a quality assurance		<u> </u>			
3745-4-05	Appendix B	shall	manual (QAM) or quality assurance plan (QAP).	6111.51	State general authority	no	no	no
3745-4-05	Appendix B - 9e	required	A description of quality control procedures that are required and followed for each method.	6111.51	State general authority	no	no	no
			Except as provided by paragraph (D) of rule 3745-4-01 of the Administrative Code, all data					
			submitted to the director for consideration as level 3 credible data shall be collected and					
			submitted by level 3 qualified data collectors (QDCs) approved by the director pursuant to					
3745-4-06	А	shall	rule 3745-4-03 of the Administrative Code.	6111.51	State general authority	no	no	no
			The director shall accept the data as level 3 credible data provided the requirements of this					
3745-4-06	Α	shall	rule are met.	6111.51	state required orc 6111.53 (C)	no	no	yes
·	·			·	· · · · · · · · · · · · · · · · · · ·		·	· · · · · · · · · · · · · · · · · · ·

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			The director shall have sole authority in determining whether data meet these					
3745-4-06	Α	shall	requirements.	6111.51	State general authority	no	no	yes
			Data submitted by a QDC shall meet the following minimum requirements to be accepted as					
3745-4-06	В	shall	level 3 credible data:	6111.51	State general authority	no	no	no
			Adherence to a study plan. Persons submitting data to Ohio EPA as a QDC under section					
3745-4-06	B1	shall	6111.53 of the Revised Code shall prepare and adhere to a project study plan.	6111.51	state required orc 6111.53 (C)	no	no	no
			The QDC shall prepare and submit to the director for approval a project study plan using the					
3745-4-06	B1a	shall	guidelines presented in appendix A to this rule.	6111.51	State general authority	no	no	no
			Upon completion of the plan review, the director shall send written notification of					
			deficiencies in the plan, if any are found, to the QDC and provide the QDC a reasonable					
3745-4-06	B1b	shall	opportunity to address such deficiencies.	6111.51	State general authority	no	no	yes
			A plan submitted by a level 3 QDC not disapproved within sixty days of the initial submittal					
			or, where a notification of deficiency has been issued, within sixty days of any revised					
3745-4-06	B1b	shall	submittal, shall be considered to have been approved.	6111.51	State required ORC 6111.53 (C)	no	no	no
			A plan submitted by a level 3 QDC not disapproved within sixty days of the initial submittal					
			or, where a notification of deficiency has been issued, within sixty days of any revised					
3745-4-06	B1c	shall	submittal, shall be considered to have been approved.	6111.51	State required ORC 6111.53 (C)	no	no	no
			The director shall disapprove a site-specific plan that does not include the certification					
3745-4-06	B1d	shall	statement in paragraph (B)(4)(f) of this rule.	6111.51	State required ORC 6111.53 (D)	no	no	yes
			In preparing the project study plan, the QDC shall be responsible for selecting the					
			appropriate field and laboratory methods, including quality assurance and quality control					
3745-4-06	B2	shall	steps, that fit the objectives and purpose of the project.	6111.51	State general authority	no	no	no
			Explicit approval of the specific methods employed in the study shall occur when Ohio EPA					
3745-4-06	B2	shall	reviews project study plans.	6111.51	State general authority	no	no	yes
			All laboratories that perform analysis under a level 3 study plan shall be accredited,					
			successfully participate in annual proficiency testing, and implement a quality assurance					
3745-4-06	B3	shall	program as described in this paragraph.		State general authority	no	no	no
3745-4-06	B4	shall	QDCs choosing to submit data to Ohio EPA shall submit all collected data.	6111.51	State required ORC 6111.53 (D)	no	no	no
			Submission of data may be done at any time, but shall be done no later than one year after					
3745-4-06	B4	shall	completion of the study identified in the project study plan.		State general authority	no	no	no
3745-4-06	B4	shall	The following shall be submitted in hard copy or electronic format:	6111.51	State general authority	no	no	no
			In addition to the information required by paragraph (B)(4) of this rule, the QDC, upon					
			request of the director, shall provide quality assurance and quality control documentation					
			for all laboratories which were used to analyze any data collected pursuant to the approved					
3745-4-06	B5	shall	project study plan.	6111.51	State general authority	no	no	no
			The director shall review data submissions to verify that the data submissions were					
			submitted by a QDC, that appropriate test methods and quality control and quality					
3745-4-06	B6	shall	assurance practices were used, and that the data reporting requirements are complete.	6111.51	State general authority	no	no	yes
			The review shall ensure that all components of the plan for the collection of data were					
3745-4-06	B6	shall	followed	6111.51	State general authority	no	no	yes
			The director shall provide written notification to the person submitting the data as to					
3745-4-06	В6	shall	whether the data have been approved, and at what level the data qualify as credible data.	6111.51	state required 6111.53 (E)	no	no	yes
			The director shall approve or disapprove the data no later than one year from the submittal					
3745-4-06	В6	shall	of such data to Ohio EPA.	6111.51	State general authority	no	no	yes
			Any level 3 methods shall have a degree of accuracy commensurate with the purpose for					
3745-4-06	С	shall	which the data will be used.	6111.51	state required 6111.53 (A)	no	no	no
			The person submitting data as a level 3 QDC shall be responsible for the selection and					
3745-4-06	С	shall	proper execution of the test methods as described in paragraph (B)(2) of this rule.	6111.51	State general authority	no	no	no
			Laboratories analyzing level 3 data are required to successfully participate in annual					
			proficiency testing (PT) studies administered by providers that are accredited by the national					
			institute of standards and technology (NIST) national voluntary laboratory accreditation					
3745-4-06	B3b	require	program (NVLAP).	6111.51	State general authority	no	no	no
			Laboratories analyzing level 3 data are required to implement a quality assurance program					
			and document all elements of the program in a quality assurance manual (QAM) or quality					
3745-4-06	ВЗс	require	assurance plan (QAP).	6111.51	State general authority	no	no	no
			A certification that, to the best of the QDC's knowledge and belief, the data were collected					
3745-4-06	B4e	require	in accordance with the procedures required by the approved project study plan.	6111.51	State general authority	no	no	no

			. In addition to the information required by paragraph (B)(4) of this rule, the QDC, upon				
			request of the director, shall provide quality assurance and quality control documentation				
			for all laboratories which were used to analyze any data collected pursuant to the approved				
3745-4-06	B5	require	project study plan.	6111.51 State general authority	no	no	no
		•	For each sampling location the following information shall be included: sampling location	<u> </u>			
			latitude and longitude; sampling location river mile; general locational information; the U.S.				
			geological survey HUC 8 number and name; and the purpose for data collection at each				
3745-4-06	Appendix A - 6	shall	sampling location.	6111.51 State general authority	no	no	no
			Examples of anticipated work products that shall be submitted to the director include, but				
			are not limited to, the following: measured chemical, stream habitat, and biological data;				
			beneficial use attainment statistics; biological index metrics and scores; water quality criteria				
3745-4-06	Appendix A - 9	shall	exceedences; and stream habitat index metrics and scores.	6111.51 State general authority	no	no	no
			The list shall include the name, qualified data collector number, address, electronic mail				
3745-4-06	Ammandiu A 10	shall	address, and phone number of all qualified data collectors and shall identify the qualified	C111 F1 State garage authority			
3745-4-06	Appendix A - 10	Shall	data collectors designated as the lead project managers.	6111.51 State general authority	no	no	no
			The list shall include the name, qualified data collector number, address, electronic mail				
			address, and phone number of all qualified data collectors and shall identify the qualified				
3745-4-06	Appendix A - 10	shall	data collectors designated as the lead project managers.	6111.51 State general authority	no	no	no
3745-4-06	Appendix A - 14	shall	All voucher materials shall be kept for at least ten years.	6111.51 State general authority	no	no	no
			Except as provided in this appendix, level 3 project study plans that use biological				
			assessment methods shall provide for the collection of both fish and macroinvertebrate data				
3745-4-06	Appendix A	shall	at all sampling locations.	6111.51 State general authority	no	no	no
			If the level 2 anciest study also does not include appricions for the collection of both fish				
			If the level 3 project study plan does not include provisions for the collection of both fish				
			and macroinvertebrates at all sampling locations, the project study plan shall include a detailed explanation of the circumstances, issues, and complexities associated with the				
3745-4-06	Appendix A	shall	proposed sampling location which preclude the use of both organism groups.	6111.51 State general authority	no	no	
3743-4-00	Аррепиіх А	Sildii	All laboratories that perform analysis under a level 3 study plan shall implement a quality	6111.51 State general authority	110	IIO	no
			assurance program and shall document all elements of the program in a quality assurance				
3745-4-06	Appendix B	shall	manual (QAM) or quality assurance plan (QAP).	6111.51 State general authority	no	no	no
	пррепак	J. Idii	All laboratories that perform analysis under a level 3 study plan shall implement a quality	orange general additionty		110	
			assurance program and shall document all elements of the program in a quality assurance				
3745-4-06	Appendix B	shall	manual (QAM) or quality assurance plan (QAP).	6111.51 State general authority	no	no	no
3745-4-06	Appendix B - 9e	require	A description of quality control procedures that are required and followed for each method.	6111.51 State general authority	no	no	no

								Removal would	
OAC Rule #	Paragraph	Restriction	Description/Quotation	Statutory Authority	Required by State or Fed Law or general authority?	If Fed, crosswalk?	Federally delegated program?	require state or federal law change?	Requirement on the agency or director?
			"Trading ratio" means the mass of a pollutant that must be reduced to receive a water						
3745-5-01	T2	must	quality credit.	6111.03, 6111.04	state optional - general authority		no	no	no
			[Comment: A trading ratio of one to one or "1:1" means that one pound of a pollutant must be removed to						
			receive a water quality credit for the reduction of one pound of that pollutant. A trading ratio of two to one or "2:1" means that two pounds of a pollutant must be removed to receive a water quality credit for the						
3745-5-01	T2	must	reduction of one pound of that pollutant.]	6111.03, 6111.04	state optional - general authority		no	no	no
			[Comment: A trading ratio of one to one or "1:1" means that one pound of a pollutant must be removed to		general general success,				
			receive a water quality credit for the reduction of one pound of that pollutant. A trading ratio of two to one or						
			"2:1" means that two pounds of a pollutant must be removed to receive a water quality credit for the						
3745-5-01	T2	must	reduction of one pound of that pollutant.]	6111.03, 6111.04	state optional - general authority state optional - general authority ORC		no	no	no
3745-5-01	W2	must	"Water quality baseline" means the level of pollutant reduction that must be achieved before water quality credits can be generated.	6111.03, 6111.04	6111.03 (A)		no	no	no
37 13 3 01		muse	diction can be generated.	0111.03, 0111.01	0111.05 (7.1)		110	110	110
			Water quality credits are generated by pollutant reductions that are in excess of water quality baseline						
			requirements, that occur within a specified period of time, and that are greater than those required by a		state optional - general authority ORC				
3745-5-01	W3	require	regulatory requirement, such as an NPDES permit, or the wasteload allocation established under a TMDL.	6111.03, 6111.04	6111.03 (A)		no	no	no
			In making this review, the director must consider the continued need for the rule, the nature of any complaints	*	state entional general authority ODC				
3745-5-02	C - comment	must	or comments received, and any relevant factors that may have changed in the subject matter affected by the rule.	6111.03, 6111.04	state optional - general authority ORC 6111.03 (A)		no	no	ves
37 13 3 02	C comment	muse	[Comment: Pursuant to section 106.03 of the Revised Code, every five years state agencies are required to	0111.03, 0111.01	0111.00 (1.1)		110	110	yes
			review each of their rules to determine if the rules should continue without change, be amended or be		state optional - general authority ORC				
3745-5-02	C - comment	require	rescinded.	6111.03, 6111.04	6111.03 (A)		no	no - comment.	yes
					state optional - general authority ORC				
3745-5-03	Α	shall	The use of a water quality credit shall conform to the following:	6111.03, 6111.04	6111.03 (A)		no	no	no
3745-5-03	R	shall not	A water quality credit shall not be developed for a bioaccumulative chemical of concern.	6111.03, 6111.04	state optional - general authority ORC 6111.03 (A)		no	no	no
3743-3-03		Silali flot	A water quality credit shall not be developed for a bloaccumulative chemical of concern.	0111.03, 0111.04	state optional - general authority ORC		110	110	110
3745-5-03	С	shall not	A stewardship credit shall not be used to meet an NPDES permit limit or other regulatory obligation.	6111.03, 6111.04	6111.03 (A)		no	no	no
					state optional - general authority ORC				
3745-5-03	F	shall	Nonpoint source load reductions that result from the implementation of BMPs shall conform to the following:	6111.03, 6111.04	6111.03 (A)		no	no	no
			Load reductions that are achieved by implementing BMPs or habitat restoration projects are eligible for the generation of water quality credits provided the practices or projects are not implemented to comply with a						
			nutrient management plan required		state optional - general authority ORC				
3745-5-03	D3	require	under an NPDES permit or a permit-to-operate.	6111.03, 6111.04	6111.03 (A)		no	no	no
			A concentrated animal feeding operation may not use water quality credits to comply with the no discharge		state optional - general authority ORC				
3745-5-03	D2	may not	technology limit that applies to a CAFO production area.	6111.03, 6111.04	6111.03 (A)		no	no	no
3745-5-04		shall	Water quality trading activities shall be in accordance with this chapter and all other applicable rules and laws.	6111.03, 6111.04	state optional - general authority ORC 6111.03 (A)				
3745-5-04	A	Stidii	An approved water quality trading management plan shall be effective for up to five years from the date it is	6111.03, 6111.04	state optional - general authority ORC		no	no	no
3745-5-04	В	shall	approved by the director.	6111.03, 6111.04	6111.03 (A)		no	no	no
			Except as provided in paragraph (D) of this rule, after January 1, 2007, no person shall participate in water	,	state optional - general authority ORC				
3745-5-04	С	shall	quality trading activities without an approved water quality trading management plan.	6111.03, 6111.04	6111.03 (A)		no	no	no
3745-5-04	C2	shall	When a water quality trading management plan application is not part of an NPDES permit, the plan application fee and plan review fee, in accordance with section 3745.11 of the Revised Code shall apply.	6111.03, 6111.04	state optional - general authority ORC 6111.03 (A)		no	voc	20
3743-3-04	CZ	Silali	For any water quality trading activities in effect on January 1, 2007, a water quality trading management plan	0111.03, 0111.04	state optional - general authority ORC		110	yes	no
3745-5-04	D	shall	shall be submitted to the director as follows:	6111.03, 6111.04	6111.03 (A)		no	no	no
			Until the date that a water quality trading management plan is approved by the director, water quality trading						
			activities shall be in accordance with the great Miami river watershed water quality credit trading program		state optional - general authority ORC				
3745-5-04	D1a	shall	operations manual, dated February 8, 2005, as endorsed by Ohio EPA.	6111.03, 6111.04	6111.03 (A)		no	no	no
3745-5-04	D1b	shall	Any changes to the operations manual shall be mutually agreeable to the director and all permittees, organizations and agencies responsible for implementing the program.	6111.03, 6111.04	state optional - general authority ORC 6111.03 (A)		no	no	no
5, 75 5 07	510	Jiiuii	Until the date that a water quality trading management plan is approved by the director, water quality trading	0111.03, 0111.04	0111.03 (n)		110	110	
			activities shall be in accordance with the alpine cheese phosphorus nutrient trading plan, dated January 1,		state optional - general authority ORC				
3745-5-04	D2a	shall	2006, as required by NPDES permit number 3PH00100.	6111.03, 6111.04	6111.03 (A)		no	no	no
			Any changes to the trading plan shall be mutually agreeable to the director and all permittees, organizations		state optional - general authority ORC				
3745-5-04	D2b	shall	and agencies responsible for implementing the program.	6111.03, 6111.04	6111.03 (A)		no	no	no

			After applying the appropriate trading ratio, all nonpoint source pollutant reductions funded by a permittee					
			shall be available as water quality credits for the permittee to use in meeting its NPDES permit effluent limits					
			subject to the prohibitions and restrictions of rule					
			3745-5-03 of the Administrative Code or limits on trading activities established by the director pursuant to		state optional - general authority ORC			
3745-5-04	F	shall	paragraphs (B) and (C) of rule 3745-5-11 of the Administrative Code.	6111.03, 6111.04	6111.03 (A)	no	no	no
			Any water quality trading activity in impaired waters, where there is not an approved TMDL, shall achieve		state optional - general authority ORC			
3745-5-04	G	shall	progress towards meeting water quality standards.	6111.03, 6111.04	6111.03 (A)	no	no	no
			Water quality trading activities in impaired waters, with an approved TMDL, shall be consistent with the					
			assumptions and requirements upon which the TMDL is established and		state optional - general authority ORC			
3745-5-04	Н	shall	shall not delay implementation of an approved TMDL.	6111.03, 6111.04	6111.03 (A)	no	no	no
			Water quality trading activities in impaired waters, with an approved TMDL, shall be consistent with the					
			assumptions and requirements upon which the TMDL is established and		state optional - general authority ORC			
3745-5-04	Н	shall not	shall not delay implementation of an approved TMDL.	6111.03, 6111.04	6111.03 (A)	no	no	no
					state optional - general authority ORC			
3745-5-04	K	shall	A qualified soil and water conservation professional shall do all of the following:	6111.03, 6111.04	6111.03 (A)	no	no	no
			The director may deny any water quality trading management		state optional - general authority ORC			
3745-5-04	A	require	plan application that does not contain the required information.	6111.03, 6111.04	6111.03 (A)	no	no	yes
2745 5 04	C1		When a water quality trading management plan application is part of an NPDES permit, the only application fee		state optional - general authority ORC			
3745-5-04	C1	require	required is the NPDES permit application fee, in accordance with section 3745.11 of the Revised Code.	6111.03, 6111.04	6111.03 (A)	no	no	no
2745 5 04	D2		The alpine cheese phosphorus nutrient trading program was required to submit a water quality trading	C111 02 C111 04	state optional - general authority ORC			
3745-5-04	D2	require	management plan to the director no later than January 1, 2017.	6111.03, 6111.04	6111.03 (A)	no	no	no
			Until the date that a water quality trading management plan is approved by the director, water quality trading		state entional general authority OBC			
2745 5 04	Dao	roguiro	activities shall be in accordance with the alpine cheese phosphorus nutrient trading plan, dated January 1,	6111.03, 6111.04	state optional - general authority ORC			200
3745-5-04	D2a	require	2006, as required by NPDES permit number 3PH00100.	0111.03, 0111.04	6111.03 (A)	no	no	no
			If required by the director, conduct water quality monitoring to obtain data to evaluate BMP effectiveness and		state optional - general authority ORC			
3745-5-04	K5	require	to evaluate and improve the method used to quantify pollutant load reductions and water quality credits.	6111.03, 6111.04	6111.03 (A)	no	no	no
3743-3-04	KJ	require	to evaluate and improve the method used to quantity pollutant load reductions and water quanty credits.	0111.03, 0111.04	state optional - general authority ORC	lii0	110	110
3745-5-05	Δ	shall	All water quality management plan applications shall be developed in accordance with this chapter.	6111.03, 6111.04	6111.03 (A)	no	no	no
3743 3 03	7	Sildii	Any person proposing to modify water quality trading activities that are in an approved water quality trading	0111.03, 0111.04	0111.03 (A)		110	
			management plan or any person that proposes to expand a watershed water quality trading area shall submit		state optional - general authority ORC			
3745-5-05	В	shall	to the director a new water quality trading management plan application.	6111.03, 6111.04	6111.03 (A)	no	no	no
			to the same of the		, , , , , , , , , , , , , , , , , , ,		1.0	
			The new water quality trading management plan application shall be submitted to the director at least six		state optional - general authority ORC			
3745-5-05	В	shall	months prior to modifying any water quality trading activities or expanding a water quality trading area.	6111.03, 6111.04	6111.03 (A)	no	no	no
			A water quality trading management plan renewal application shall be submitted to the director at least six	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	state optional - general authority ORC			
3745-5-05	С	shall	months prior to an approved water quality trading management plan's expiration date.	6111.03, 6111.04	6111.03 (A)	no	no	no
				·	state optional - general authority ORC			
3745-5-05	С	shall	A water quality trading management plan renewal application shall include all of the following:	6111.03, 6111.04	6111.03 (A)	no	no	no
			The director may waive or reduce the scope of the evaluation and assessment required under paragraphs					
			(C)(1) and (C)(2) of this rule based on consideration of factors, such as the number of trades that have					
			occurred, the number of nonpoint source BMPs that have been implemented, the status of the BMPs and the		state optional - general authority ORC			
3745-5-05	D	require	overall participation level in a trading program.	6111.03, 6111.04	6111.03 (A)	no	no	no
					state optional - general authority ORC			
3745-5-06	Α	shall	A water quality trading management plan application shall satisfy all of the following:	6111.03, 6111.04	6111.03 (A)	no	no	no
			When point source trading occurs between permittees, the water quality trading management plan application	1	state optional - general authority ORC			
3745-5-06	В	shall	shall meet all of the following requirements:	6111.03, 6111.04	6111.03 (A)	no	no	no
					state optional - general authority ORC			
3745-5-06	B1	shall	Such applications shall be submitted as proposed modifications of the respective NPDES permits.	6111.03, 6111.04	6111.03 (A)	no	no	no
			Applications for a water quality trading management plan by two or more point sources shall be submitted at		state optional - general authority ORC			
3745-5-06	B1	shall	approximately the same time.	6111.03, 6111.04	6111.03 (A)	no	no	no
			In addition to meeting all requirements in paragraphs (A) and (B)(1) to (B)(13) of this rule, when point source-					
			nonpoint source trading occurs between one permittee and one or more nonpoint sources, the water quality		state optional - general authority ORC			
3745-5-06	С	shall	trading management plan application shall also include all of the following:	6111.03, 6111.04	6111.03 (A)	no	no	no
			The hydrologic assessment units shall be identified using either the ten digit or twelve digit hydrologic unit		state optional - general authority ORC			
3745-5-06	C3	shall	code as appropriate for the size of the water quality trading area.	6111.03, 6111.04	6111.03 (A)	no	no	no
		1	In addition to meeting all the requirements in paragraphs (A), (B)(2) to (B)(13), and (C)(1) to (C)(4) of this rule,		state optional - general authority ORC			
3745-5-06	D	shall	an application for watershed trading shall include the following:	6111.03, 6111.04	6111.03 (A)	no	no	no
2745 5 26	D.2	1	The hydrologic assessment units shall be identified using either the ten digit or twelve digit hydrologic unit	6444 60 6411 61	state optional - general authority ORC			
3745-5-06	D2	shall	code as appropriate for the size of the water quality trading area.	6111.03, 6111.04	6111.03 (A)	no	no	no

				Г				
			If required, ambient water quality monitoring shall be conducted in accordance with rule 3745-5-14 of the		state optional - general authority ORC			
3745-5-06	E	shall	Administrative Code.	6111.03, 6111.04	6111.03 (A)	no	no	no
					state optional - general authority ORC			
3745-5-06	C4c	require	If required by the director, collecting water quality monitoring data for evaluating BMP effectiveness.	6111.03, 6111.04	6111.03 (A)	no	no	no
			The director may require a schedule for conducting ambient water quality monitoring to determine if there					
			have been negative impacts to water quality and to document the presence or absence of improvements in		state optional - general authority ORC			
3745-5-06	E	require	water quality	6111.03, 6111.04	6111.03 (A)	no	no	yes
			If required, ambient water quality monitoring shall be conducted in accordance with rule 3745-5-14 of the		state optional - general authority ORC			
3745-5-06	E	require	Administrative Code.	6111.03, 6111.04	6111.03 (A)	no	no	no
					state optional - general authority ORC			
3745-5-07	Α	shall	A water quality credit for each pollutant shall meet all of the following requirements:	6111.03, 6111.04	6111.03 (A)	no	no	no
			In accordance with an approved water quality trading management plan, credits may be held by a trading					
			program as part of the corrective measures required under paragraph (B)(13) of rule 3745-5-06 of the					
			Administrative Code for addressing situations when a permittee discovers that water quality credits are		state optional - general authority ORC			
3745-5-07	В	require	insufficient to achieve compliance with an NPDES permit.	6111.03, 6111.04	6111.03 (A)	no	no	no
			Where methods and procedures (e.g., sampling protocols, monitoring frequencies) are specified by federal					
			regulations or in NPDES permits, they shall be used where applicable for measuring pollutant loads and		state optional - general authority ORC			
3745-5-08	Α	shall	determining compliance of permittees that engage in water quality trading.	6111.03, 6111.04	6111.03 (A)	no	no	no
			Where methods and procedures are not specified by other applicable rules and laws or an NPDES permit, a		state optional - general authority ORC			
3745-5-08	В	shall	water quality credit shall be calculated as follows	6111.03, 6111.04	6111.03 (A)	no	no	no
			For permittees in an area where there is an approved TMDL, the water quality baseline shall be the lower of		state optional - general authority ORC			
3745-5-09	Α	shall	the following:	6111.03, 6111.04	6111.03 (A)	no	no	no
			For permittees in an area where there is not an approved TMDL or where water quality fully supports					
			designated uses assigned in Chapter 3745-1 of the Administrative Code, the water quality baseline shall be the		state optional - general authority ORC			
3745-5-09	В	shall	lower of the following:	6111.03, 6111.04	6111.03 (A)	no	no	no
			For nonpoint sources, the water quality baseline shall be the pollutant load associated with existing land uses		state optional - general authority ORC			
3745-5-09	С	shall	and management practices.	6111.03, 6111.04	6111.03 (A)	no	no	no
			Existing management practices shall comply with any applicable federal, state or local requirements and shall		state optional - general authority ORC	110		112
3745-5-09	С	shall	be established as follows	6111.03, 6111.04	6111.03 (A)	no	no	no
37.13.3.03		5.16.1	Existing management practices shall comply with any applicable federal, state or local requirements and shall	0111100) 011110 :	state optional - general authority ORC			
3745-5-09	C	shall	be established as follows	6111.03, 6111.04	6111.03 (A)	no	no	no
			For storm water sources regulated under an NPDES permit, the water quality baseline shall be either of the		state optional - general authority ORC	11.5	1.0	1.5
3745-5-09	D	shall	following:	6111.03, 6111.04	6111.03 (A)	no	no	no
<u></u>		5.16.1	For water quality trading activities between two permittees, a water quality credit shall be calculated using the	0111100) 011110 :	(1)			
			trading ratio, where one pound of pollutant reduction equals one pound of water quality credit for that		state optional - general authority ORC			
3745-5-10	Δ	shall	pollutant.	6111.03. 6111.04	6111.03 (A)	no	no	no
37 13 3 10	,,	Silaii	For water quality trading activities between a permittee and a nonpoint source, the water quality credit shall	0111.03, 0111.01	state optional - general authority ORC	110		110
3745-5-10	R	shall	satisfy either of the following:	6111.03, 6111.04	6111.03 (A)	no	no	no
3743-3-10	B	Silali	satisfy either of the following.	0111.03, 0111.04	state optional - general authority ORC	110	110	110
3745-5-11	B4	shall	Establishing a minimum treatment level a plant shall meet before engaging in water quality trading activities.	6111.03, 6111.04	6111.03 (A)	no	no	yes
3743-3-11	D4	Silali	Establishing a minimum treatment lever a plant shall meet before engaging in water quality trauing activities.	0111.03, 0111.04	0111.03 (A)	110	110	yes
			Requires implementation of actions from the approved water quality trading management plan that are		state optional - general authority ORC			
3745-5-11	A2	require	included in the NPDES permit and specifies that failure to implement these actions is a violation of the permit.	6111.03, 6111.04	6111.03 (A)	no	no	no
3743-3-11	AZ	require	Requires the permittee to notify the director upon discovering that water quality credits are insufficient to	0111.03, 0111.04	0111.03 (A)	no	no	110
			achieve compliance with an NPDES permit limit and outlines the actions required by paragraph (B) of rule 3745-		state optional - general authority ORC			
2745 5 44	4.2		1 ,1 0 1 ( )					
3745-5-11	A3	require	5-12 of the Administrative Code.	6111.03, 6111.04	6111.03 (A)	no	no	no
			Requires the permittee to notify the director upon discovering that water quality credits are insufficient to		atata antional assessment subsets 200			
2745 5 44	4.3	,	achieve compliance with an NPDES permit limit and outlines the actions required by paragraph (B) of rule 3745-		state optional - general authority ORC			n.c
3745-5-11	A3	require	5-12 of the Administrative Code.	6111.03, 6111.04	6111.03 (A)	no	no	no
2745 5 44			Requires submittal of an annual report that identifies the actions implemented by the permittee in the	6444 02 6444 04	state optional - general authority ORC			
3745-5-11	A4	require	previous twelve-month period.	6111.03, 6111.04	6111.03 (A)	no	no	no
2745 5 44			Provides that the director may revoke the approved plan and require compliance with water quality based	6444 06 6441 51	state optional - general authority ORC			
3745-5-11	A5	require	effluent limits based on the following:	6111.03, 6111.04	6111.03 (A)	no	no	no
			Upon request by the director or the director's authorized representative, any permittee, qualified soil and					
			water conservation professional or other person participating in the administration of an approved water					
			quality trading management plan shall make available, within a reasonable time for inspection and copying, all		state optional - general authority ORC			
3745-5-12	Α	shall	records pertaining to those activities, including the following:	6111.03, 6111.04	6111.03 (A)	no	no	no
			Upon discovering that water quality credits are insufficient to achieve compliance with an NPDES permit, a		state optional - general authority ORC			
3745-5-12	В	shall	permittee shall complete all of the following:	6111.03, 6111.04	6111.03 (A)	no	no	no
			Require the submittal of a new water quality trading management plan application, including all applicable		state optional - general authority ORC			
	C3a	require	fees, to be submitted to Ohio EPA within thirty days.	6111.03, 6111.04	6111.03 (A)	no	no	no
3745-5-12	CSd	require		· '				
3745-5-12 3745-5-12	C5a	require	The director may require an evaluation of water quality trading activities that includes all of the following:	6111.03, 6111.04	state optional - general authority ORC 6111.03 (A)			

			The director may reduce the scope of the evaluation required under paragraph (C)(5) of this rule based on					
			consideration of factors, such as the number of trades that occurred, the number of nonpoint source BMPs		state optional - general authority ORC			
3745-5-12	C6	require	that were implemented, the status of the BMPs, and the overall participation level in the trading activities.	6111.03, 6111.04	6111.03 (A)	no	no	no
			Any person submitting a water quality trading management plan for approval shall meet all of the following		state optional - general authority ORC			
3745-5-13	intro	shall	requirements:	6111.03, 6111.04	6111.03 (A)	no	no	no
					state optional - general authority ORC			
3745-5-13	С	shall	Each public notice shall provide all of the following:	6111.03, 6111.04	6111.03 (A)	no	no	no
			The ambient water quality monitoring plan shall include sufficient information for the director to do the		state optional - general authority ORC			
3745-5-14	Α	shall	following:	6111.03, 6111.04	6111.03 (A)	no	no	no
					state optional - general authority ORC			
745-5-14	В	shall	The ambient water quality monitoring plan shall provide all of the following:	6111.03, 6111.04	6111.03 (A)	no	no	no
			The director may require the applicant to submit additional information if the information submitted pursuant					
			to paragraph (B) of this rule will not enable the director to determine if the trading activities have resulted in		state optional - general authority ORC			
3745-5-14	С	require	positive or negative impacts to water quality.	6111.03, 6111.04	6111.03 (A)	no	no	no
			[Comment: For guidance on study plan design, sample collection, analytical methods, data assessment, and					
			quality assurance and quality control procedures that are appropriate for the ambient water quality		state optional - general authority ORC			
3745-5-14	Comment	require	monitoring required under this rule, see the appendices to rule 3745-4-05 of the Administrative Code.]	6111.03, 6111.04	6111.03 (A)	no	no	no

					Required by State or				Requirement on
					Fed Law or general		Federally delegated	Removal would require state or	
OAC Rule #	Paragraph	Restriction	Description/Quotation	Statutory Authority	authority?	If Fed, crosswalk?	program?	federal law change?	director?
			"Small flow on-site sewage treatment system" means a system, other than a household						
			sewage treatment system, that treats not more than one thousand gallons of sewage per						
			day and that does not require a national pollutant discharge elimination system permit						
2745 44 04	_		under section 6111.03 of the Revised Code or an injection well drilling or operating permit		state optional - 6111.03	3			
3745-11-01	F	require	issued under section 6111.043 of the Revised Code.	6111.03, 6111.04, 6111.44	(H)(3)		no	no	no
2745 44 02			The director shall specify in the order or permit condition imposing the connection ban the		state optional - 6111.03	3			
3745-11-02	В	shall	geographical area to which the ban applies.	6111.45, 6111.46	(H)(3)		no	no	yes
				6111.03, 6111.04, 6111.44,	state optional - 6111.03	3			
3745-11-02	С	shall	A connection ban shall be imposed upon both:	6111.45, 6111.46	(H)(3)		no	no	no
			For the purposes of this rule, the installation of a new sewer line routed directly to the	6111.03, 6111.04, 6111.44,	state optional - 6111.03	3			
3745-11-02	E4	shall	treatment works shall be considered an extension of the sewerage system.	6111.45, 6111.46	(H)(3)	_	no	no	no
			This paragraph shall not apply to such facilities as are necessary to comply with orders or	6111.03, 6111.04, 6111.44,	state optional - 6111.03	3			
3745-11-02	G	shall not	permit conditions issued by the director or a court of law.	6111.45, 6111.46	(H)(3)		no	no	no
			Nothing in this rule shall prohibit connection to a sewerage system or construction and	6111.03, 6111.04, 6111.44,	state optional - 6111.03	3			
3745-11-02	H	shall	operation of a treatment works if:	6111.45, 6111.46	(H)(3)		no	no	no
			The director shall specify in the order or permit condition imposing the ban one of the						
			following as the event upon which the director will modify the permit to remove the	6111.03, 6111.04, 6111.44,	state optional - 6111.03	3			
3745-11-02	I	shall	condition imposing the ban, or revoke the order imposing the ban:	6111.45, 6111.46	(H)(3)		no	no	yes
			Permits required by section 6111.04 of the Revised Code may contain conditions imposing						
			connection bans, and orders of the director issued pursuant to paragraph (H) of section	6111.03, 6111.04, 6111.44,	state optional - 6111.03	3			
3745-11-02	Α	require	6111.03 of the Revised Code may impose connection bans.	6111.45, 6111.46	(H)(3)		no	no	no
			A standard connection ban prohibits the person upon which it is imposed from causing or	6111.03, 6111.04, 6111.44,	state optional - 6111.03	3			
3745-11-02	E	prohibit	allowing the extension of or additional connections to the sewerage system.	6111.45, 6111.46	(H)(3)		no	no	no
			A special connection ban prohibits the person upon which it is imposed from causing or						
			allowing construction or installation of household sewage treatment systems, or small flow		state optional - 6111.03	3			
3745-11-02	F	prohibit	on-site sewage treatment systems, or both, as appropriate.	6111.45, 6111.46	(H)(3)		no	no	no
			Nothing in this rule shall prohibit connection to a sewerage system or construction and	6111.03, 6111.04, 6111.44,	state optional - 6111.03	3			
3745-11-02	Н	prohibit	operation of a treatment works if:	6111.45, 6111.46	(H)(3)		no	no	no
			Applications for variances shall be in a form and contain such information as the director	6111.03, 6111.04, 6111.44,	state optional - 6111.03	3			
3745-11-03	A	shall	may require.	6111.45, 6111.46	(H)(3)		no	no	no
				6111.03, 6111.04, 6111.44,	state optional - 6111.03	3			
3745-11-03	A	shall	The application shall include at least:	6111.45, 6111.46	(H)(3)		no	no	no
			The director shall grant or deny the variance by letter within sixty days of the date on which	6111.03, 6111.04, 6111.44,	state optional - 6111.03	3			
3745-11-03	D	shall	a complete application for a variance is received.	6111.45, 6111.46	(H)(3)		no	no	yes
			Upon granting or denying a variance, the director shall promptly notify the appropriate	6111.03, 6111.04, 6111.44,	state optional - 6111.03	3			
3745-11-03	D	shall	local official of the director's action.	6111.45, 6111.46	(H)(3)		no	no	yes
			Variance applications shall be acted upon and challenged in accordance with provisions of						
			Chapters 3745. and 119. of the Revised Code and Chapters 3745-47 and 3745-49 of the	6111.03, 6111.04, 6111.44,	state optional - 6111.03	3			
3745-11-03	E	shall	Administrative Code.	6111.45, 6111.46	(H)(3)		no	no	no
			Any person desiring a variance from a ban imposed under this chapter must apply in writing	6111.03, 6111.04, 6111.44,	state optional - 6111.03	3			
3745-11-03	Α	must	to the director.	6111.45, 6111.46	(H)(3)		no	no	no
			Applications for variances shall be in a form and contain such information as the director	6111.03, 6111.04, 6111.44,	state optional - 6111.03	3			
3745-11-03	Α	require	may require.	6111.45, 6111.46	(H)(3)		no	no	no
			The director may grant a variance from a connection ban whenever, in the director's						
			judgment, compelling public need, extreme individual hardship, or other extraordinary	6111.03, 6111.04, 6111.44,	state optional - 6111.03	3			
3745-11-03	С	require	circumstances require that the variance be granted	6111.45, 6111.46	(H)(3)		no	no	no
			The proposed facility will be used primarily as the dwelling place of a person whose physical	6111.03, 6111.04, 6111.44,	state optional - 6111.03	3			

					Required by State or		- 1 1 1 1 1	Removal would	
OAC Rule #	Paragraph	Restriction	Description/Quotation	Statutory Authority	Fed Law or general authority?	If Fed, crosswalk?	Federally delegated program?	require state or federal law change?	Requirement on the agency or director?
OAC Rule #	Paragraph	Restriction	"401 certification" means a Section 401 water quality certification from Ohio EPA, pursuant to section 401 of the act,	Statutory Authority	authority?	Section 401 of the Clear	. 0	rederal law change?	agency or director?
			Chapter 6111. of the Revised Code and this chapter, that any discharge, as set forth in section 401, shall comply with			Water Act (33 U.S.C.	'		
3745-32-01	R	shall	sections 301, 302, 303, 306 and 307 of the act.	6111 0	B Federal	§1251-1387)	Yes	Yes	No
3743-32-01	В	Silali	Sections 301, 302, 303, 300 and 307 of the act.	0111.0	o l'ederai	Section 401 of the Clear		163	INO
						Water Act (33 U.S.C.	•		
3745-32-01	D	require	"Applicant" means any person required to obtain a 401 certification from the Ohio EPA.	6111 0	B Federal	§1251-1387)	Yes	Yes	No
3743-32-01		require	Applicant means any person required to obtain a 401 certification from the onio Er A.	0111.03	reaciai	31231-1307)	163	163	110
			These discharges are subject to section 402 of the Clean Water Act even though the extraction and deposit of such						
3745-32-01	F2a	require	material may require a permit from the corps or applicable state.	6111 03	State General Authority		Yes	No	No
07.15.02.01	. 20	. equile	material may require a permit nom the obligo of appropriate	0111100	June General Harmonity		1.00		
			"Letter of permission" means a corps permit issued through an abbreviated processing procedure which includes						
			coordination with federal and state fish and wildlife agencies, as required by the fish and wildlife coordination act and a			33 C.F.R. Part			
3745-32-01	ĸ	require	public interest evaluation but without the publishing an individual public notice.	6111.03	B Federal	325.2(e)(1)	Yes	Yes	No
			"Ohio EPA" means the Ohio environmental protection agency or its director, as the context or other law or regulations			(-)(-)	1	1	
3745-32-01	М	require	may require.	6111.03	State General Authority		Yes	No	No
			······································			Section 401 of the Clear			
			Any applicant for a federal license or permit to conduct any activity which may result in a discharge of dredged or fill			Water Act (33 U.S.C.			
3745-32-02	A	shall	material to a water of the state shall apply for and obtain a 401 certification from Ohio EPA.	6111.03	B Federal	§1251-1387)	yes	Yes	no
						Section 401 of the Clear	ļ <b>'</b>	1	112
						Water Act (33 U.S.C.			
3745-32-02	В	shall	No person shall engage in an activity requiring a 401 certification prior to obtaining that certification from Ohio EPA.	6111.03	B Federal	§1251-1387)	Yes	Yes	No
									-
3745-32-02	С	shall	No 401 certification issued pursuant to this chapter shall be effective until all applicable fees have been paid.	6111.03, 3745.114	1 State required		Yes	No	No
			The discharge of dredged or fill material for any activity that is not prohibited by or otherwise subject to regulation	,	<u> </u>				
			under Section 404 of the act as specifically set forth in 33 C.F.R. 323.4 provided that no other federal license or permit is						
3745-32-02	D2	require	required.	6111.03	State General Authority		Yes	No	No
					,	Section 401 of the Clear	n		
			The discharge of dredged or fill material for any activity that is not prohibited by or otherwise subject to regulation			Water Act (33 U.S.C.			
			under Section 404 of the act as specifically set forth in 33 C.F.R. 323.4 provided that no other federal license or permit is		State General Authority	§1251-1387) and 33			
3745-32-02	D2	prohibit	required.		and Federal Required	C.F.R. 323.4	Yes	No	No
		·	The filing of an application for a federal permit or license for which a 401 certification is required does not constitute an		·				
3745-32-03	Α	require	application for a 401 certification with the state of Ohio	6111.03, 6111.30	State required		Yes	Yes	No
			If the federal permit sought is a nationwide permit, a regional permit, or a letter of permission issued by the corps and						
			Ohio EPA has issued a certification for the federal permit, no further application is required to be submitted to Ohio EPA						
			under this chapter provided that the project meets all of the terms and conditions for coverage under the certification						
			or the director has authorized the project to proceed under the terms of the general certification based on a case						
3745-32-03	A2	require	specific determination of the environmental impacts of the project.	6111.03	State General Authority		Yes	No	No
			Any person requesting authorization for an activity that requires a 401 certification shall comply with the application		State Required and				
3745-32-03	B1	shall	procedures set forth in this rule.	6111.03, 6111.30	State General Authority		Yes	Yes	No
3745-32-03	B1	shall	The director shall prescribe the form and required content of the application for a 401 certification.	6111.03, 6111.30	State Required		Yes	Yes	Yes
			Additional information shall be submitted in accordance with the antidegradation requirements in rules 3745-1-05 and						
3745-32-03	B1	shall	3745-1-54 of the Administrative Code.	6111.03, 6111.12	State Required		Yes	Yes	No
			Any person requesting authorization for an activity that requires a 401 certification shall comply with the application		State Required and				
3745-32-03	B1	require	procedures set forth in this rule.	·	State General Authority		Yes	Yes	No
3745-32-03	B1	require	The director shall prescribe the form and required content of the application for a 401 certification.	6111.03, 6111.30	State Required		Yes	Yes	Yes
			Any application for a 401 certification subject to the provisions of this rule shall be submitted on forms provided by the						
3745-32-03	B2	shall	director and completed in accordance with the corresponding application instructions.	6111.03, 6111.30	State Required		Yes	Yes	No
			The application shall be submitted no later than forty-five days after the publication of the corps 404 public notice, if		State Required and				
3745-32-03	B2	shall	applicable, and shall include the following:	6111.03, 6111.30	State General Authority		Yes	Yes	No
			The application shall be submitted no later than forty-five days after the publication of the corps 404 public notice, if		State Required and				
3745-32-03	B2	shall	applicable, and shall include the following:	6111 03 6111 30	State General Authority		Yes	Yes	No

					T	T	T	T	1
			The Ohio rapid assessment method shall include complete and accurate forms, including the background information,		State Beguired and				
2745 22 22	521		scoring boundary worksheet, narrative rating, quantitative rating, and wetland categorization worksheets completed	6444 00 6444 00	State Required and		.,	v.	
3745-32-03	B2b	shall	and submitted in accordance with the procedures outlined in the Ohio rapid assessment method manual.	6111.03, 6111.30	State General Authority		Yes	Yes	No
3745-32-03	B2e	shall	Photographs shall be clearly labeled with the name, direction, and date.	6111.03. 6111.30	State General Authority		Yes	No	No
			Photographs must accurately depict the quality of the water of the state and may not include a majority of dying or		,				
			dead vegetation and excessive cover due to seasonal conditions that vegetation and substrates cannot be observed,						
3745-32-03	B2e	must	such as leaf litter, snow, or ice.	6111.03, 6111.30	State General Authority		Yes	No	No
			Photographs deemed to be insufficient of representing the water of the state will be required to be retaken once	,	,				
3745-32-03	B2e	require	seasonal conditions are appropriate.	6111.03, 6111.30	State General Authority		Yes	No	No
		·	Photographs must accurately depict the quality of the water of the state and may not include a majority of dying or	·	,				
			dead vegetation and excessive cover due to seasonal conditions that vegetation and substrates cannot be observed,						
3745-32-03	B2e	may not	such as leaf litter, snow, or ice.	6111.03, 6111.30	State General Authority		Yes	No	No
			(g)Descriptions, schematics, and appropriate economic information concerning the applicant's alternatives analysis						
			prepared in accordance with 40 C.F.R. Part 230 and required by rules 3745-1-05 and 3745-1-54 of the Administrative	6111.03, 6111.12	State and Federal				
3745-32-03	B2g	require	Code.		Required	40 C.F.R. Part 230	Yes	Yes	No
			A person that applies for a 401 certification under Chaper 6111. of the Revised Code and this chapter shall pay fees in						
3745-32-03	В3	shall	accordance with section 3745.114 of the Revised Code.	6111.03, 3745.114	State Required		Yes	Yes	No
			Not later than fifteen business days after the receipt of an application for an individual 401 certification, the director						
3745-32-03	C1	shall	shall notify the applicant whether the application is complete.	6111.03, 6111.30	State Requried		Yes	Yes	Yes
			If the application is not complete, the director shall include in the notice an itemized list of the information or materials						
3745-32-03	C1a	shall	that are necessary to complete the application.	6111.03, 6111.30	State Requried		Yes	Yes	Yes
			No further processing of the application shall take place until the itemized list of information or materials requested by						
3745-32-03	C1a	shall	the director is received and determined to be complete.	6111.03, 6111.30	State General Authority		Yes	No	No
			If the application is not complete, and a corps public notice regarding the application for a 404 permit has been						
			published, all the items required by paragraph (B) of this rule must be received within one hundred eighty days of the						
3745-32-03	C1c	must	corps public notice date.	6111.03, 6111.30	State General Authority		Yes	No	No
			If the application is not complete, and a corps public notice regarding the application for a 404 permit has been						
			published, all the items required by paragraph (B) of this rule must be received within one hundred eighty days of the						
3745-32-03	C1c	require	corps public notice date.	6111.03, 6111.30	State General Authority		Yes	No	No
			As it is used in this rule, "complete application" means an application in which all of the items required by paragraph (B)						
			of this rule have been provided and the items are complete. A complete application does not equate to an approvable						
3745-32-03	C3	require	project.	6111.03, 6111.30	State General Authority		Yes	No	No
			The director shall not issue a 401 certification unless the director determines that the applicant has demonstrated that			Section 401 of the Clean			
2745 22 22	54		the discharge of dredged or fill material to waters of the state or the creation of any obstruction or alteration in waters	6444 00 6444 00	State and Federal	Water Act (33 U.S.C.	,		
3745-32-03	D1	shall not	of the state, will not do any of the following:	6111.03, 6111.30	Required	§1251-1387)	Yes	Yes	Yes
			Except as provided in paragraph (D)(3) of this rule, the director shall not issue a 401 certification for any harbor or						
			navigation maintenance activities proposing to deposit dredged material in any part of lake Erie that is within the territorial boundaries of this state or in the direct tributaries of lake Erie within this state unless the director has						
3745-32-03	D2	chall not		6111 02 6111 22	State Conoral Authority		Voc	No	Voc
3743-32-03	D2	shall not	determined the following:	0111.03, 0111.32	State General Authority		Yes	No	Yes
			Dredged material found to be unsuitable for the deposit of dredged material pursuant to this paragraph shall be placed						
3745-32-03	D2a	shall	in a confined disposal facility or an upland location determined to be protective of public health and the environment	6111.03, 6111.32	State Required		Yes	Yes	No
37 13 32 03	520	Silan	The preclusions set forth in paragraph (D)(2) of this rule shall not apply to placing the material into a confined disposal	0111.00, 0111.02	. State Regained		103	163	110
			facility that is located in lake Erie or the direct tributaries or the discharge of de minimus dredged material associated						
			with dewatering operations necessary to facilitate placement of the dredged material in a confined disposal facility or						
3745-32-03	D3	shall not	upland location.	6111.03. 6111.32	State General Authority		Yes	No	No
01.10.00			The director shall take an action on a 401 certification for an activity in waters of the state within one hundred eighty					111	
3745-32-03	E1	shall	days of receipt of a complete application pursuant to paragraph (A) of this rule.	6111.03, 6111.30	State Required		Yes	Yes	Yes
			An action on a 401 certification shall be taken and may be challenged in accordance with Chapters 3745-47 and 3745-49	,	'				
3745-32-03	E2	shall	of the Administrative Code.	3745.07, 6111.03	State Required		Yes	Yes	Yes
			An applicant seeking to modify a 401 water quality certification shall notify Ohio EPA in writing, setting forth a						
3745-32-03	F1	shall	description of the proposed modifications and the reasons therefore.	6111.03	State General Authority		Yes	No	No
			The director may approve, approve with conditions, or deny any request for modification, or require the applicant to		,				
			apply for and obtain a new 401 certification if the scope or purpose of the project is changed beyond that authorized in						
3745-32-03	F1	require	the original certification.	6111.03	State General Authority		Yes	No	No
			Approvals or approvals with conditions, of the modification, shall be issued as final actions and subject to the public		,				
3745-32-03	F1a	shall	notice requirements of Chapter 3745-49 of the Administrative Code.	3745.07, 6111.03	State Required		Yes	Yes	Yes
			A 401 certification shall be modified and may be challenged in accordance with Chapters 3745-47 and 3745-49 of the						
3745-32-03	F2	shall	Administrative Code.	3745.07, 6111.03	State Required		Yes	Yes	Yes

		Г						
			The person to whom the 401 certification was originally issued shall continue to be responsible for ensuring that the					
			conditions of the 401 certification are fulfilled, and shall be liable for any violations thereof, until such time as Ohio EPA					
			receives documentation required by paragraph (G)(1) of this rule and an official notification of transfer is issued					
3745-32-03	G2	shall	identifying the new holder of the certification.	6111.03	State General Authority	Yes	No	No
			The person to whom the 401 certification was originally issued shall continue to be responsible for ensuring that the					
			conditions of the 401 certification are fulfilled, and shall be liable for any violations thereof, until such time as Ohio EPA					
			receives documentation required by paragraph (G)(1) of this rule and an official notification of transfer is issued					
3745-32-03	G2	shall	identifying the new holder of the certification.	6111.03	State General Authority	Yes	No	No
			The person to whom the 401 certification was originally issued shall continue to be responsible for ensuring that the					
			conditions of the 401 certification are fulfilled, and shall be liable for any violations thereof, until such time as Ohio EPA					
			receives documentation required by paragraph (G)(1) of this rule and an official notification of transfer is issued					
3745-32-03	G2	require	identifying the new holder of the certification.	6111.03	State General Authority	Yes	No	No
			A 401 certification shall be revoked and may be challenged in accordance with Chapters 3745-47 and 3745-49 of the					
3745-32-03	H2	shall	Administrative Code.	3745.07, 6111.03	State Required	Yes	Yes	Yes
3745-32-03	l1	shall	A 401 certification shall expire upon the expiration of the applicable federal license or permit.	6111.03	State General Authority	Yes	No	No
			A 401 certification shall remain valid if the applicable federal license or permit is extended so long as no additional					
			water quality impacts beyond those authorized in the original or modified 401 certification will result from the renewal					
3745-32-03	12	shall	of that certification.	6111.03	State General Authority	Yes	No	No
			If additional water quality impacts beyond those authorized in the original or modified 401 certification are proposed,					
			the applicant must apply for a new 401 certification in accordance with the criteria established in paragraph (B) of this					
3745-32-03	12	must	rule or a 401 modification in accordance with the criteria established in paragraph (F) of this rule.	6111.03	State General Authority	Yes	No	No
			The director shall provide a written explanation to an applicant for a 401 certification of the basis for the proposed					
3745-32-03	J2	shall	denial of the application, if applicable.	6111.03	State General Authority	Yes	No	Yes
			A 401 certification shall be denied and may be challenged in accordance with Chapters 3745-47 and 3745-49 of the					
3745-32-03	J3	shall	Administrative Code.	3745.07, 6111.03	State Required	Yes	Yes	Yes
			Prior to the issuance of a 401 certification or as a condition of any 401 certification, the director may require that the					
			applicant perform various environmental quality tests to ensure adequate protection of water quality and human					
			health, including, but not limited to, chemical analyses of water, sediment or fill material, and bioassays and biological					
3745-32-03	K2	require	monitoring.	6111.03	State General Authority	Yes	No	No
			To the extent that the time frames for certification do not allow the application to be processed in accordance with					
			normal procedures, the director shall issue the certification as a final action and then require and process a complete					
3745-32-03	L1	shall	application in accordance with paragraph (L)(2) of this rule.	6111.03	State General Authority	Yes	No	Yes
			To the extent that the time frames for certification do not allow the application to be processed in accordance with					
			normal procedures, the director shall issue the certification as a final action and then require and process a complete					
3745-32-03	L1	require	application in accordance with paragraph (L)(2) of this rule.	6111.03	State General Authority	Yes	No	No
			Upon the expiration of the emergency, the director shall require the applicant to submit a complete application for a					
			401 certification that addresses the emergency fill and any additional placement of fill or dredged material into waters					
3745-32-03	L2	shall	of the state, beyond that authorized by the emergency certification.	6111.03	State General Authority	Yes	No	Yes
			Upon the expiration of the emergency, the director shall require the applicant to submit a complete application for a					
			401 certification that addresses the emergency fill and any additional placement of fill or dredged material into waters					
3745-32-03	L2	require	of the state, beyond that authorized by the emergency certification.	6111.03	State General Authority	Yes	No	No

					Described by Chate an			Damas and March	Dturnus aut au
					Required by State or		Fadavally, dalamata d	Removal would	Requirement on
OAC Dula #	Da wa awa mb	Doctriction	Description (Oughtston	Chahutami Authanitus	Fed Law or general	If Fad areasympth?	Federally delegated	require state or	the agency or
OAC Rule #	Paragraph	Restriction	Description/Quotation	Statutory Authority	authority?	If Fed, crosswalk?	program?	federal law change?	director?
2745 22 04		-111	Except as otherwise provided in this rule, the definitions in sections 6111.01 and 6111.13 of the Revised Code shall have		) C   /C+ - + -			V	
3745-33-01	intro	shall	the same meaning in this chapter as in those sections.	6111.03	General/State	40 CED 433 44/d\ d	yes	Yes	no
			For determinations of recognishle naturalist with respect to whole officent to visit, the presentation is valed 2745 02 00			40 CFR 122.44(d) and			
2745 22 04	D4 Is	-111	For determinations of reasonable potential with respect to whole effluent toxicity, the procedures in rules 3745-02-09	C111 0	) C   /F	40 CFR 132 Appendix		V	
3745-33-01	R1b	shall	and 3745-33-07 of the Administrative Code shall be followed.	6111.03	General/Federal	F.6	yes	Yes	no
			Warrand Critical and Company of the						
			"Area of initial mixing" or "AIM" means the limited zone where discharge-induced mixing causes the effluent to mix						
2745 22 04	4.0		rapidly with the receiving water such that the area may not be physically inhabitable by aquatic life. The inside mixing	C111 0	0.00	40 CED 424 42		N -	
3745-33-01	A8	must	zone maximum criteria may be exceeded within the AIM, but must be met on the perimeter of the AIM.		3 General	40 CFR 131.13	yes	No	no
2745 22 04			"Minimum level" or "ML" means the concentration at which the entire analytical system must give a recognizable signal		C+-+-/F	ORC 6111.13 and 40		V	
3745-33-01	M2	must	and acceptable calibration point.	6111.03	State/Federal	CFR 132 Appendix F	yes	Yes	no
2745 22 04	0.4		"Ohio EPA" means the Ohio environmental protection agency or its director, as the context or other law or regulations	C444.00					
3745-33-01	01	require	may require.	6111.03	State		yes	no	no
			Warrand Critical and Company of the						
2745 22 04			"Area of initial mixing" or "AIM" means the limited zone where discharge-induced mixing causes the effluent to mix	6444.00		40.050.404.40			
3745-33-01	A8	may not	rapidly with the receiving water such that the area may not be physically inhabitable by aquatic life.	6111.03	3 General	40 CFR 131.13	yes	No	no
						40 CFR 122.44(d) and			
	L		"Group three" pollutants have some potential based on water quality data to cause or contribute to a water quality		1/5 1 1	40 CFR 132 Appendix			
3745-33-01	R1aiii	may not	excursion; permit requirements may not be warranted based solely on water quality considerations.	6111.03	General/Federal	F.6	yes	Yes	no
		1	The director shall administer and enforce permits issued under Section 402 (a) of the act within this state, and may						
3745-33-02	Α	shall	modify the terms and conditions thereof, in accordance with division (J) of section 6111.03 of the Revised Code.	6111.03			yes	Yes	yes
3745-33-02	В	shall	Each point source shall be authorized by an Ohio NPDES permit.	6111.03	3 Federal	CWA Section 402	yes	Yes	no
		1	This chapter shall be administered in a manner no less stringent than the act and regulations adopted or subsequently					No. Still covered by	
3745-33-02	В	shall	amended by the administrator including 40 C.F.R. 122 to 125, 129 to 133, 136, 400 to 471, 501 and 503.	6111.03	State		yes	6111.03(J)	yes
			The director may issue a single permit covering more than one point source, but authorized discharge levels, monitoring						
3745-33-02	В	shall	requirements and other appropriate requirements shall be specified for each point source.	6111.03	Federal	40 CFR 122.45(a)	yes	Yes	yes
		1	No Ohio NPDES permit shall be required for any discharge exempted from the NPDES permit system by the act or						
3745-33-02	С	shall	mandatory regulations adopted thereunder, unless required by section 6111.03 of the Revised Code.	6111.03	Federal	40 CFR 122.4	yes	yes	no
			Any person who holds a federal NPDES permit issued under Section 402 (a) of the act is not required to obtain an Ohio			40CFR 122.46, 40 CFR			
3745-33-02	Α	require	NPDES permit until the permit's expiration date.	6111.03	State/Federal	123.44	yes	Yes.	no
								Covered by general	
								authority to	
								implement NPDES	
								program in ORC	
								6111.03(J)? Fed	
								application rules	
			No Ohio NPDES permit shall be required for any discharge exempted from the NPDES permit system by the act or					clearly apply to	
3745-33-02	С	require	mandatory regulations adopted thereunder, unless required by section 6111.03 of the Revised Code.	6111.03	Federal	40 CFR 122.4	yes	delegated states.	no
								Covered by general	
								authority to	
								implement NPDES	
								program in ORC	
								6111.03(J)? Fed	
								application rules	
			No Ohio NPDES permit shall be required for any discharge exempted from the NPDES permit system by the act or					clearly apply to	
3745-33-02	С	require	mandatory regulations adopted thereunder, unless required by section 6111.03 of the Revised Code.	6111.03	3 Federal	40 CFR 122.4	yes	delegated states.	no
						40 CFR 122.1(b), ORC			
3745-33-02	D	require	Ohio NPDES permits are required for sludge disposal facilities subject to Chapter 3745-40 of the Administrative Code	6111.03	State/Federal	6111.03(J)	yes	Yes	no
			Applications for Ohio NPDES permits shall be filed only on forms approved by Ohio EPA and shall contain such						
3745-33-03	A	shall	information as Ohio EPA deems necessary.	6111.03, 6111.05	Federal	40CFR 122.21(a)	yes	Yes	no
			Applications for Ohio NPDES permits shall be filed only on forms approved by Ohio EPA and shall contain such						
3745-33-03	Α	shall	information as Ohio EPA deems necessary.	6111.03, 6111.05	Federal	40 CFR 122.21(a)	yes	Yes	no
-	-	_	· · · · · · · · · · · · · · · · · · ·			_	_		

				T			T		
						Rules cited in			
			As a minimum, these applications shall contain any NPDES application information required by regulations adopted by			description, particularly	/		
3745-33-03	А	shall	the administrator, including 40 C.F.R. 122 to 125, 129 to 133, 136, 400 to 471, 501 and 503.	6111.03, 6111.05	Federal	40 CFR 122.21	yes	Yes	no
			Any person proposing to commence the discharge of pollutants shall submit an application, including all data required					.,	
3745-33-03	В	shall	by the application form, at least one hundred eighty days prior to commencement of the discharge.	6111.03, 6111.05	Federal	40 CFR 122.21(c)	yes	Yes	no
			If a permit renewal application is submitted at least one hundred eighty days prior to the expiration date of the existing						
			permit, and the director does not issue a new permit before the expiration date, the conditions of the expired permit						
3745-33-03	В	shall	shall continue in force until the director acts on the permit application.	6111.03, 6111.05	General	40 CFR 122.6	yes	No	no
			The sould seek shall see she sould seek on a line of Annaham and additions are seed to be discharged in shadow had not						
2745 22 02	64	-111	The applicant shall attach to the application a list of treatment additives proposed to be discharged including, but not	C444 02 C444 05	C 1			NI -	
3745-33-03	C1	shall	limited to, maintenance chemicals and chemicals used to aid in the treatment of the wastewater.	6111.03, 6111.05	General		yes	No	no
			If the section of additions are additional and the section of the						
			If these treatment additives proposed have not been approved in a permit to install issued under Chapter 3745-42 of						
2745 22 22	62		the Administrative Code, director's final findings and orders, or NPDES permit issuance, the applicant shall also submit	5444 00 5444 05					
3745-33-03	C2	shall	an application to discharge the treatment additives in accordance with paragraph (G) of this rule.	6111.03, 6111.05	General	40 CED 422 24/-)	yes	No No	no
3745-33-03	D	shall	An indication of why the application was considered incomplete shall accompany the application returned.	6111.03, 6111.05	General	40 CFR 122.21(e)	yes	No	yes
			Except as specified in paragraph (D)(1)(b) of this rule, a permit application shall not be considered complete unless all						
2745 22 02	D1	ah all mat	required quantitative data are collected in accordance with sufficiently sensitive analytical methods approved under 40		Fadaval	40 CED 122 21/a)		No	
3745-33-03	D1	shall not	C.F.R. Part 136 or required under 40 C.F.R. chapter I, subchapter N or O.  When there is no analytical method that has been approved under 40 C.F.R. Part 136, required under 40 C.F.R. chapter	6111.03, 6111.05	Federal	40 CFR 122.21(e)	yes	No	no
2745 22 22	541		subchapter N or O, and a specific analytical method is not otherwise required by the director, the applicant may use any			40.050.422.247.			
3745-33-03	D1b	shall	suitable method but shall provide a description of the method.	6111.03, 6111.05	Federal	40 CFR 122.21(e)	yes	No	no
			A request for confidential treatment shall be submitted to Ohio EPA simultaneously with an application with						
3745-33-03	E1	shall	documentation sufficient to support that the information is confidential.	6111.03, 6111.05	federal	40 CFR 122.7	yes	yes	no
3745-33-03	E1	shall	Failure to make such a timely request shall constitute a waiver of the right to prevent public disclosure	6111.03, 6111.05	federal	40 CFR 122.7	yes	yes	no
2745 22 22	50		A decision as to whether to treat the information as confidential shall be made by the director within forty-five days of	5444 00 5444 05		40.0FB.433.7			
3745-33-03	E2	shall	receipt of the request and accompanying documentation.	6111.03, 6111.05	federal	40 CFR 122.7	yes	yes	yes
3745-33-03	E2	shall	Until such decision is made, the information or part thereof, shall be treated as confidential.	6111.03, 6111.05	federal	40 CFR 122.7	yes	yes	no
3745-33-03	E2	shall	The applicant requesting confidentiality shall be notified in writing of the director's decision.	6111.03, 6111.05	federal	40 CFR 122.7	yes	yes	yes
2745 22 02	F2 -	-lll+	Disclosure of information determined to be confidential in accordance with paragraph (E)(3) of this rule shall not, of	C444 02 C444 05	fa danal	40 CED 422 7			
3745-33-03	E3e	shall not	itself, affect the eligibility of information for confidential treatment under the other provisions of this rule.	6111.03, 6111.05	federal	40 CFR 122.7 40 CFR 122.22	yes	yes	no
3745-33-03	F	shall	An application submitted to the director pursuant to this chapter shall be signed as follows:	6111.03, 6111.05	Federal	40 CFR 122.22	yes	No	no
2745 22 02	64	-111	Permittees, except for POTWs, shall obtain prior approval for the use of new treatment additives and for the discharge	C444 02 C444 05	C			NI =	
3745-33-03	G1	shall	of treatment additives.	6111.03, 6111.05	General		yes	No	no
			Requests for approvals under this paragraph shall be filed only on forms approved by Ohio EPA and contain such						
3745-33-03	G2	shall	information as Ohio EPA deems necessary.	6111.03, 6111.05	State/Federal	40 CFR 122.21(a)	yes	No	no
3745-33-03	G2	Silali	information as onlo EPA deems necessary.	0111.03, 0111.03	State/rederal	Laws and rules cited,	yes	INO	110
			As a minimum, these applications shall contain any NPDES application information required by regulations adopted by			particularly 40 CFR			
2745 22 02		roquiro		6111 02 6111 05	State /Foderal			Voc	200
3745-33-03	^A	require	the administrator, including 40 C.F.R. 122 to 125, 129 to 133, 136, 400 to 471, 501 and 503.	6111.03, 6111.05	State/Federal	122.21(a).	yes	Yes	no
			Any person proposing to commence the discharge of pollutants shall submit an application, including all data required						
3745-33-03	R	require	by the application form, at least one hundred eighty days prior to commencement of the discharge	6111.03, 6111.05	Federal	40 CFR 122.21(c)	yes	No	no
3743-33-03	В	require	by the application form, at least one numbered eightly days prior to commencement of the discharge	0111.03, 0111.03	reuerar	40 CFR 122.21(C)	yes	INO	110
			Except as specified in paragraph (D)(1)(b) of this rule, a permit application shall not be considered complete unless all						
			required quantitative data are collected in accordance with sufficiently sensitive analytical methods approved under 40						
3745-33-03	D1	require	C.F.R. Part 136 or required under 40 C.F.R. chapter I, subchapter N or O.	6111.03, 6111.05	Federal	40 CFR 122.21(e)	Ves	No	no
3743-33-03	DI	require	C. T. M. 1 art 150 or required under 40 C. T.M. chapter 1, Subchapter N Or O.	0111.03, 0111.03	i cuci ai	+0 CIN 122.21(E)	yes	No	no
			Except as specified in paragraph (D)(1)(b) of this rule, a permit application shall not be considered complete unless all						
			required quantitative data are collected in accordance with sufficiently sensitive analytical methods approved under 40			40 CFR 122.21(e) and			
3745-33-03	D1	require	C.F.R. Part 136 or required under 40 C.F.R. chapter I, subchapter N or O.	6111.03, 6111.05	State/Federal	ORC 6111.03(J)(1)	ves	Voc	no
3/43-33-03	D1	require	For the purposes of this requirement, a method approved under 40 C.F.R. Part 136 or required under 40 C.F.R. chapter I		State/Federal	40 CFR 122.21(e) and	yes	Yes	no
3745-33-03	D13	require			State/Endoral		ves	Voc	no
3743-33-03	D1a	require	subchapter N or O is "sufficiently sensitive" when any of the following conditions are met:	6111.03, 6111.05	State/Federal	ORC 6111.03(J)(1)	yes	Yes	no
2745 22 02	D15:::	roquiro	The method has the lowest QL of the analytical methods approved under 40 C.F.R. Part 136 or required under 40 C.F.R.	6111 02 6111 05	State/Endoral	40 CFR 122.21(e) and	vos	Voc	no
3745-33-03	D1aiii	require	chapter I, subchapter N or O for the measured pollutant or pollutant parameter.	6111.03, 6111.05	State/Federal	ORC 6111.03(J)(1)	yes	Yes	IIIO

			When there is no analytical method that has been approved under 40 C.F.R. Part 136, required under 40 C.F.R. chapter I	,					
			subchapter N or O, and a specific analytical method is not otherwise required by the director, the applicant may use any			40 CFR 122.21(e) and			
3745-33-03	D1b	require	suitable method but shall provide a description of the method.	6111.03, 6111.05	State/Federal	ORC 6111.03(J)(1)	yes	Yes	no
			When there is no analytical method that has been approved under 40 C.F.R. Part 136, required under 40 C.F.R. chapter I	,					
			subchapter N or O, and a specific analytical method is not otherwise required by the director, the applicant may use any			40 CFR 122.21(e) and			
3745-33-03	D1b	require	suitable method but shall provide a description of the method.	6111.03, 6111.05	State/Federal	ORC 6111.03(J)(1)	yes	Yes	no
			Information required by NPDES application forms provided by the director under this rule may not be claimed						
3745-33-03	E4	require	confidential.	6111.03, 6111.05	Federal	40 CFR 122.7	yes	No	no
			This includes information on the forms themselves and any attachments used to supply information required by the						
3745-33-03	E4	require	forms.	6111.03, 6111.05	Federal	40 CFR 122.7	yes	No	no
			Information required by NPDES application forms provided by the director under this rule may not be claimed						
3745-33-03	E4	may not	confidential.	6111.03, 6111.05	Federal	40 CFR 122.7	yes	No	no
			The director shall issue an Ohio NPDES permit for the discharge if, on the basis of all information available to Ohio EPA,						
3745-33-04	A1	shall	the director determines all of the following:	6111.03	General		yes	No	yes
3745-33-04	A2	shall	The director shall deny an application for a permit or renewal thereof if any of the following occur:	6111.03	Federal	40 CFR 122.4	yes	Yes	yes
			Possession of an Ohio NPDES permit shall not relieve any person of the responsibility to comply with the authorized						
3745-33-04	A3	shall not	discharge levels specified in the permit or other provisions of applicable law.	6111.03	General/Federal	40 CFR 122.41(a)	yes	No	no
			. The director shall issue or deny an application for a permit for a new discharge, for the installation or modification of a						
			disposal system, or for renewal of a permit, within one hundred eighty days of the date on which the director receives a						
			complete application with all plans, specifications, construction schedules, and other pertinent information required by						
3745-33-04	В	shall	the director.		General		yes	no	yes
			The director shall notify the permittee that any permittee who wishes to continue to discharge after the expiration date						
			of the permittee's Ohio NPDES permit shall submit a permit application including all data required by the application						
3745-33-04	C1	shall	form at least one hundred eighty days prior to the expiration of the permit.		General		yes	No	yes
			The director shall notify the permittee that any permittee who wishes to continue to discharge after the expiration date						
			of the permittee's Ohio NPDES permit shall submit a permit application including all data required by the application						
3745-33-04	C1	shall	form at least one hundred eighty days prior to the expiration of the permit.	6111.03	Federal	40 CFR 122.21(c)	yes	No	no
						40 CFR 122 and 40 CFR			
3745-33-04	C1	shall	Ohio NPDES permits shall be renewed in accordance with the provisions for issuance of permits under this chapter.	6111.03	General/Federal	124	yes	No	no
			In renewing a permit, the director shall consider the compliance history of the permit holder and may deny the renewal						
3745-33-04	C2	shall	if the director determines that the permit holder has not complied with the terms and conditions of the existing permit.	6111.03	General/Federal	40 CFR 122.64	yes	No	yes
			If a permit renewal application is submitted at least one hundred eighty days prior to the expiration date of the existing						
			permit, and the director proposes to deny the renewal of the permit in accordance with rule 3745-49-05 of the						
		1	Administrative Code, the expired permit shall continue to be in effect in accordance with section 119.06 of the Revised						
3745-33-04	C2	shall	Code until such time as the director issues a final action.	6111.03	State		yes	yes	no
			Any more stringent limitation on the thermal component of a discharge shall not be imposed as a condition of a permit						
2745 22 04		1	or renewal thereof for a discharge during a ten year period in accordance with division (J)(3) of section 6111.03 of the	6444.00		C)4/4 24.5/ )		,	
3745-33-04	C4	shall not	Revised Code.	6111.03	Federal	CWA 316(c)	yes	Yes	no
2745 22 04		-b - II	All assessments about the first containing and about assets for the containing about a state of the containing	6444.02	C	40 CFR 122.62 and 40		NI-	
3745-33-04	D	shall	All requests shall be in writing and shall contain facts or reasons supporting the request.	6111.03	General	CFR 124.5	yes	No	no
2745 22 04	Б	chall	All requests shall be in writing and shall contain facts or reasons supporting the request	C111 00	General	40 CFR 122.62 and 40	wos	No	200
3745-33-04	ט	shall	All requests shall be in writing and shall contain facts or reasons supporting the request.	6111.03	General	CFR 124.5	yes	No	no
2745 22 04	D1	shall	Applications for modifications of permits shall be made only on forms approved by Ohio EPA and shall contain such	6111 03	Gonoral	40 CFR 122.62 and 40 CFR 124.5	wos	No	200
3745-33-04	D1	Sildii	information that Ohio EPA deems necessary.  Applications for modifications of permits shall be made only on forms approved by Ohio EPA and shall contain such	6111.03	General	40 CFR 124.5	yes	No	no
3745-33-04	D1	shall	Applications for modifications of permits shall be made only on forms approved by Ohio EPA and shall contain such information that Ohio EPA deems necessary.	6111 02	General	40 CFR 122.62 and 40 CFR 124.5	ves	No	no
3745-33-04	D1	shall	Such an application or request shall contain all of the following:		General/Federal	40 CFR 122.62	yes yes	No	no no
37733-04	DI	SHall	Such an application of request shall contain all of the following.	0111.03	General/Teuclal	40 CFR 122.62 and 40	yes	INU	110
3745-33-04	D2	shall not	A modification at the request of a permittee shall not be approved unless the director determines all of the following:	£111 02	General/Federal	CFR 124.5	yes	No	no
3773 33-04	52	SHAII HOL	No change shall affect a discharger's obligation to have all pollution control equipment installed and in operation prior	0111.03	Jeneral/Teueral	OI II 127.J	703	INO	110
3745-33-04	D3g	shall	to discharge.	6111.03	Federal	40 CFR 122.63	yes	No	no
3745-33-04	D3li	shall	The discharge shall be controlled as necessary to meet applicable water quality standards.		General/Federal	spirit of 40 CFR 122.63		No	no
3, 13 33 04	2311	311011	Until the date that U.S. EPA approves the NPDES program submitted by the director of agriculture under section 903.08	0111.03	oonerally i cuci ai	Spirit OI 40 CI N 122.03	,	140	
			of the Revised Code, permits shall be modified in accordance with 40 C.F.R. 122.42(e) when a concentrated animal						
3745-33-04	D4	shall	feeding operation proposes to change a nutrient management plan.	6111.03	Federal	122.42(e)	yes	yes	no
3, 13 33 04		311011	The permittee shall notify the succeeding owner or successor of the existence of the Ohio NPDES permit by letter, a	0111.03	. caciai		,	,	110
3745-33-04	E1	shall	copy of which shall be forwarded to Ohio EPA.	6111 03	General	40 CFR 122.61	yes	No	no
3, 13 33 04		311011	The permittee shall notify the succeeding owner or successor of the existence of the Ohio NPDES permit by letter, a	0111.03	Contra	.5 0.11 122.01	,	110	
3745-33-04	E1	shall	copy of which shall be forwarded to Ohio EPA.	6111 03	General	40 CFR 122.61	yes	No	no
5, 15 55 64	1	311411	popy or minor order of formation to only Elife	0111.03	Concrai	.5 5.11 122.01	1,	1	

		<u> </u>			T		1		
			The copy of the letter shall be received by Ohio EPA at least sixty days prior to any proposed transfer of an Ohio NPDES						
3745-33-04	E1	shall	permit and shall serve as the permittee's notice to the director of the proposed transfer.	6111.03	General/Federal	40 CFR 122.61	yes	No	no
			The copy of the letter shall be received by Ohio EPA at least sixty days prior to any proposed transfer of an Ohio NPDES						
3745-33-04	E1	shall	permit and shall serve as the permittee's notice to the director of the proposed transfer.	6111.03	General/Federal	40 CFR 122.61	yes	No	no
			A written agreement containing a specific date for transfer of permit responsibility and coverage between the permittee						
			and successor, including acknowledgment that the existing permittee is liable for violations up to the transfer date and						
			the successor is liable for violations from that date forth, shall be received by Ohio EPA at least sixty days prior to the						
3745-33-04	E2	shall	proposed transfer.	6111.03	Federal	40 CFR 122.61	yes	No	no
3745-33-04	E3	shall	The director shall notify both the original permittee transferor and the transferee in writing of the director's decision.	6111.03	General/Federal	40 CFR 122.61	yes	No	yes
						40 CFR 122.46 and 40			
3745-33-04	F	shall	Each Ohio NPDES permit shall expire as of the date indicated on the permit.	6111.03	General/Federal	CFR 122.64	yes	No	no
			No permit shall be issued that will run for a period of more than five years, however the permit can be administratively			40 CFR 122.46 and 40			
3745-33-04	F	shall	continued under paragraph (C) of this rule.	6111.03	General/Federal	CFR 122.6	yes	Yes	yes
			All requests shall be in writing and shall contain facts or reasons supporting the request. If the director decides the						
3745-33-04	F	shall	request is not justified, the director may send the requestor a brief written response giving a reason for the decision.	6111.03	General/Federal	40 CFR 122.64	yes	No	no
					·				
			All requests shall be in writing and shall contain facts or reasons supporting the request. If the director decides the						
3745-33-04	F	shall	request is not justified, the director may send the requestor a brief written response giving a reason for the decision.	6111.03	General/Federal	40 CFR 122.64	yes	No	no
57.15.55.5.		5	request is not justined, the uncoted may send the requester a site interest espende giring a reason for the decision.	0111.00	Concrain, reactar	40 CFR 122.62 and 40	700		
3745-33-04	G1	shall	All requests shall be in writing and shall contain facts or reasons supporting the request.	6111 03	General/Federal	CFR 124.5	ves	No	no
3743 33 04	01	Silan	All requests shall be in writing and shall contain facts of reasons supporting the request.	0111.03	denerally rederal	40 CFR 122.62 and 40	yes	140	110
3745-33-04	G1	shall	All requests shall be in writing and shall contain facts or reasons supporting the request.	6111 02	General/Federal	CFR 124.5	ves	No	no
3743-33-04	01	Silali	All requests shall be in writing and shall contain facts of reasons supporting the request.	0111.03	General/Tederal	40 CFR 122.62 and 40	yes	INO	110
3745-33-04	C2	shall	The permittee shall be notified of the proposed revocation and reasons for such proposed revocation.	C111 02	General/Federal	CFR 124.5		No	
3745-33-04	G2	Sildii		0111.03	General/rederal	CFR 124.5	yes	No	yes
			The director shall afford a prompt hearing to any permittee whose permit the director proposes to revoke and who						
			requests such a hearing, in accordance with the provisions of the rules of procedure, Chapters 3745-47 and 3745-49 of						
3745-33-04	G2	shall	the Administrative Code.		General		yes	no	yes
3745-33-04	A1c	require	Adequate provisions for monitoring to obtain required pollutant discharge information have been made.	6111.03	General/Federal	40 CFR 122.21	yes	No	yes
			If required by Ohio EPA, performance tests, conducted at the applicant's expense after the application was filed and in						
			accordance with methods prescribed by Ohio EPA, demonstrate that the discharge is in compliance with the authorized						
3745-33-04	A1d	require	discharge levels.	6111.03	General/Federal	40 CFR 122.21	yes	No	yes
			The director shall issue or deny an application for a permit for a new discharge, for the installation or modification of a						
			disposal system, or for renewal of a permit, within one hundred eighty days of the date on which the director receives a						
			complete application with all plans, specifications, construction schedules, and other pertinent information required by						
3745-33-04	В	require	the director.	6111.03	General/Federal	40 CFR 122.21	yes	No	yes
			The director shall notify the permittee that any permittee who wishes to continue to discharge after the expiration date						
			of the permittee's Ohio NPDES permit shall submit a permit application including all data required by the application						
3745-33-04	C1	require	form at least one hundred eighty days prior to the expiration of the permit.	6111.03	Federal	40 CFR 122.21	yes	No	no
3745-33-04	D3b	require	Require more frequent monitoring by the permittee	6111.03	Federal	40 CFR 122.63	yes	No	no
			Revise the months for which monitoring is required, if the monitoring frequency and number of samples per year						
3745-33-04	D3c	require	remain the same.	6111.03	General	40 CFR 122.63	yes	No	no
		·	Except as provided by paragraph (G) of this rule, for each point source from which pollutants are discharged, the				·		
			director shall determine and specify in the permit limits on the levels of pollutants that may be discharged to ensure			40 CFR 122.44, 40 CFR			
3745-33-05	A1	shall	compliance with all of the following:	6111.03	Federal	122.45, 40 CFR 125.3	ves	yes	yes
0.10.00.00						40 CFR 122.45(d) and	7-2-	7.55	7.50
3745-33-05	C1	shall	These requirements shall apply unless the director determines that expressing limits in these terms is impracticable.	6111.03	General/Federal	(e)	yes	No	no
57.15.55.55	01	5	These requirements shall apply alliess the allester acternates that expressing limits in these terms is impracticable.	0111.00	Concrain, reacrai		700		
			For discharges from a publicly owned treatment works or other treatment works that treats exclusively domestic						
			sewage, limits for the parameters listed in this paragraph shall be expressed as average weekly and average monthly						
3745-33-05	C1a	shall	limits, unless limits for other periods are needed to meet water quality standards or other regulatory requirements.	6111 02	General/Federal	40 CFR 122.45(d)	vos	No	no
3743-33-03	CIa	Silali		0111.03	General/rederal	40 CFN 122.45(u)	yes	No	no
2745 22 05	C1h	shall	For all other discharges, limits shall be expressed as daily maximum and monthly average limits, unless limits for other	6111 00	Conoral/Foderal	40 CED 122 45/4\	vos	No.	nc
3745-33-05	C1b	Snail	periods are needed to meet water quality standards or other regulatory requirements.	6111.03	General/Federal	40 CFR 122.45(d)	yes	No	no
2745 22 25			Discharges that are not continuous, as continuous is defined in 40 C.F.R. 122.2, shall be particularly described and			40.050.400.454.			
3745-33-05	C2	shall	limited, considering the following factors, as appropriate:	6111.03		40 CFR 122.45(e)	yes	No	no
3745-33-05	C2a	shall not	Frequency (for example, a batch discharge shall not occur more than once every three weeks).	6111.03	Federal	40 CFR 122.45(e)	yes	No	no
			Prohibition or limitation of specified pollutants by mass, concentrations, or other appropriate measure (for example,						
			shall not contain at any time more than 0.1 mg/l zinc or more than two hundred fifty grams (0.25 kilograms) of zinc in						
3745-33-05	C2d	shall not	any discharge).	6111.03	Federal	40 CFR 122.45(e)	yes	yes	no

					1		_		
			Authorized levels of pollutants that may be discharged shall be stated to the extent possible given the nature of the						
			pollutant in terms of the volume, weight in pounds or kilograms per day (except for those pollutants not expressible by						
			weight), duration, frequency and, where appropriate, concentration (except for those pollutants not expressible by			40 CFR 122.45(f) and			
3745-33-05	C3	shall	concentration) of each pollutant discharge.		Federal/State	ORC 6111.03(J)(3)	yes	Yes	no
3745-33-05	C3	shall	The director shall specify average and maximum daily quantitative limitations, where appropriate.	6111.03	Federal	40 CFR 122.45(d)	yes	No	yes
			Whenever a water quality-based effluent limitation (WQBEL) is developed under Chapter 3745-2 of the Administrative						
			Code, the WQBEL shall be expressed as both a concentration value and a corresponding mass loading limit, except as						
3745-33-05	C3	shall	provided in paragraph (C)(3)(d) of this rule.	6111.03	Federal	40 CFR 132 Appendix F	yes	Yes	no
			The mass loading limits shall be calculated using effluent flow rates that are consistent with those used in establishing						
			the WQBELs that are expressed as concentrations, except as allowed under paragraphs (C)(3)(c) and (C)(3)(d) of this						
3745-33-05	C3a	shall	rule.	6111.03	Federal	40 CFR 132 Appendix F	yes	Yes	yes
			For limits not based on numeric criteria, mass and concentration limits shall be expressed in a manner consistent with						
3745-33-05	C3b	shall	the WLA or TMDL established under Chapter 3745-2 of the Administrative Code.	6111.03	General		yes	No	yes
			If the limits were not established under Chapter 3745-2 of the Administrative Code, concentration and loading limits			40 CFR 122.44, 40 CFR			
3745-33-05	C3b	shall	shall be set to meet other applicable water quality standards or treatment technology standards.	6111.03	State/Federal	122.45	yes	No	yes
			When a site-specific dissolved metals translator is used in the calculation of effluent limitations, the NPDES permit shall						
3745-33-05	C5	shall	require the permittee to conduct ambient sampling to confirm the continued validity of the site-specific translator.	6111.03	General		yes	No	no
			The ambient sampling shall be conducted once during the term of the Ohio NPDES permit using procedures specified in						
3745-33-05	C5a	shall	rule 3745-2-04 of the Administrative Code.	6111.03	General		yes	No	no
			In this case the limitations in the renewed, reissued, or modified permit may reflect the level of pollution control						
			actually achieved, but shall not be less stringent than required by the effluent guidelines in effect at the time of permit						
3745-33-05	F1f	shall not	renewal, reissuance or modification.	6111.03	Federal	40 CFR 122.44(I)	yes	yes	no
			Any increase in authorized pollutant loadings shall be subject to any applicable antidegradation requirements contained						
3745-33-05	F2	shall	in rule 3745-1-05 of the Administrative Code.	6111.03	General/Federal	40 CFR 131.12	yes	No	no
			A permit shall not be renewed, reissued or modified to contain limitations that are less stringent than the applicable						
			effluent guidelines at the time the permit is renewed, reissued or modified, or to contain effluent limits that would						
3745-33-05	F3	shall not	result in a violation of applicable water quality standards.	6111.03	Federal	40 CFR 122.44(I)	yes	Yes	no
			If construction of a point source commenced after March 23, 1997 for which an initial Ohio NPDES permit containing a						
			water quality-based effluent limitation is issued on or after March 23, 1997, the permittee shall comply with such a			40 CFR 122.29, 40 CFR			
3745-33-05	G1	shall	discharge limitation upon commencement of the discharge, except as allowed in this paragraph:	6111.03	Federal	132	yes	yes	no
			A point source that commenced discharge after March 23, 1997, or a recommencing discharger, shall install and have in						
		l	operating condition, and shall "start-up" all pollution control equipment required to meet the conditions of its permits			40 CFR 122.29, 40 CFR			
3745-33-05	G1	shall	before beginning to discharge.	6111.03	Federal	132	yes	yes	no
			A point source that commenced discharge after March 23, 1997, or a recommencing discharger, shall install and have in						
			operating condition, and shall "start-up" all pollution control equipment required to meet the conditions of its permits			40 CFR 122.29, 40 CFR			
3745-33-05	G1	shall	before beginning to discharge.	6111.03	Federal	132	yes	yes	no
			Any schedules of compliance issued under this paragraph shall require compliance as soon as possible, but not later						
3745-33-05	G2	shall	than the applicable statutory deadline under the act.	6111.03	Federal	40 CFR 122.47	yes	no	no
2745 22 25	63		This schedule shall become a condition of the NPDES permit, if the director determines that any of the following	6444.00		10.050.422.47			
3745-33-05	G2	shall	conditions apply:	6111.03	Federal	40 CFR 122.47	yes	no	no
2745 22 05	62	-111	A satisfication, sale dula of convellence shall include all of the fallenting above sate.	C444 O	E-dl	40 CFR 122.47, 40 CFR			
3745-33-05	G3	shall	A satisfactory schedule of compliance shall include all of the following elements:	6111.03	Federal	132	yes	yes	no
			An autoreachle askedule of stone and dates for their askingers as two of which shall be consusted by many them						
			An enforceable schedule of steps and dates for their achievement, no two of which shall be separated by more than			40 CED 122 47, 40 CED			
2745 22 05	C20	ah a II	twelve months, to be taken by the applicant that will bring the discharge into compliance with authorized discharge	C111 O	Fodoval	40 CFR 122.47, 40 CFR			
3745-33-05	G3a	shall	levels at the earliest possible date but no later than those dates necessary to achieve the objectives set forth in the act.  Such additional steps as the director shall specify, including interim measures, to eliminate any danger or serious threat	6111.03	Federal	132 40 CFR 122.47, 40 CFR	yes	yes	no
2745 22 05	Cab	ah a II		C111 O	Fodovol				
3745-33-05	G3b	shall	of danger to human health and to minimize any deleterious effect on the environment.	6111.03	Federal	132	yes	yes	no
			When the compliance schedule goes havened the term of the normit, an interim offluent limit or other annumists			40 CFR 122.47, 40 CFR			
27/15-22 NE	636	shall	When the compliance schedule goes beyond the term of the permit, an interim effluent limit or other appropriate requirements and schedules effective upon the expiration date; these shall also be addressed in the permit fact sheet	C111 0	Federal	132	vec	vos	vec
3745-33-05	G3c	Silali	The administrative record for the permit shall reflect the final limit, or requirements for developing limits and other	0111.03	i cuciai	40 CFR 122.47, 40 CFR	yes	yes	yes
2745 22 05	635	chall	, , , , , , , , , , , , , , , , , , , ,	6111 0	Fodoral		wos	vos	no
3745-33-05	G3c	shall	appropriate requirements and schedules, and the compliance date.  The reopener clause shall authorize permit modifications if specified studies have been completed by the permittee or	6111.03	Federal	132	yes	yes	no
						40 CED 433 47, 40 CED			
27/15 22 05	C34;;	chall	provided by a third-party during the time allowed to conduct the specified studies that demonstrate, to the director's	C111 01	Ganaral	40 CFR 122.47, 40 CFR	wos	was .	no
3745-33-05	G3dii	shall	satisfaction, that a revised limit is appropriate.	6111.03	General	132	yes	yes	no
2745 22 05	G3dii	shall not	If incorporated prior to the compliance date of the original tier II limitation, any such revised limit shall not be considered less stringent for purposes of the antibacksliding provisions of paragraph (F) of this rule.	6111 0	Gonoral	40 CFR 122.47, 40 CFR	wos	vos	no
3745-33-05	Jusuil	Stidii IIOL	positioned in the strainger of the position of the antibacksholding provisions of paragraph (F) of this full.	0111.03	General	132	yes	yes	no

					1	1	_	,	
			No later than fourteen days following each interim date and the final date of compliance, the normittee shall provide						
2745 22 05	CF.	ah all	No later than fourteen days following each interim date and the final date of compliance, the permittee shall provide the director with written notice of the permittee's compliance or noncompliance with interim or final requirements.	C111 02	Fodovol	40 CED 122 47/a\/4\			
3745-33-05	G5	shall	For limits based on numeric water quality criteria, both mass and concentration limits must be based on the same	6111.03	Federal	40 CFR 122.47(a)(4)	yes	no	no
3745-33-05	C22	must		6111.03	Fodoral	40 CFR 132 Appendix F		voc.	
3745-33-03	C3a	must	permit averaging periods, except as allowed under paragraph (C)(3)(d) of this rule.  All permit effluent limitations, standards, or prohibitions for a metal must be expressed in terms of "total recoverable"	0111.03	reuerai	40 CFR 132 Appendix F	yes	yes	no
2745 22 05	CA	must		6111 02	Fodoral	40 CED 122 4E/a)		200	
3745-33-05	C4	must	metal as defined in 40 C.F.R. 136, Appendix C unless any of the following apply:	6111.03	rederal	40 CFR 122.45(c)	yes	no	no
3745-33-05	G1	must	Within the chartest feedible time (not to exceed pinety days), the europe or energiar must meet all normit conditions	6111 02	Federal	40 CFR 122.29(d)(4)	W05	200	
3745-33-03	GI	must	Within the shortest feasible time (not to exceed ninety days), the owner or operator must meet all permit conditions  When the permit is renewed or modified to contain a new or more restrictive WQBEL, the WQBEL must be based on a	0111.03	reuerai	40 CFR 122.29(u)(4)	yes	no	no
			whole effluent toxicity level contained in rule 3745-2-09 of the Administrative Code or on a criterion or tier II value						
			·			40 CED 122 44/4\ 40			
2745 22 05	C34		adopted in, or derived pursuant to, Chapter 3745-1 of the Administrative Code to qualify for a compliance schedule	C111 02	Fodovol	40 CFR 122.44(d), 40			
3745-33-05	G3d	must	under this rule except as provided for in this paragraph.	6111.03	rederal	CFR 132 Appendix F	yes	yes	no
2745 22 25	62.1		In such cases, the permit must require compliance with the tier II limitation within a reasonable period of time, no later	6444.00		40 CFR 132 Appendix A,			
3745-33-05	G3di	must	than five years after permit renewal or modification, and contain a reopener clause.	6111.03	Federal	Appendix F	yes	yes	no
3745-33-05	A1e	require	Any more stringent limitations required to comply with any other state or federal law or regulation.	6111.03	General/State/Federal		yes	no	yes
			When a site-specific dissolved metals translator is used in the calculation of effluent limitations, the NPDES permit shall						
3745-33-05	C5	require	require the permittee to conduct ambient sampling to confirm the continued validity of the site-specific translator.	6111.03	General/Federal	40 CFR 131.11	yes	no	no
			If the director determines that adequate site-specific dissolved metals translator data exists, the ambient sampling may						
3745-33-05	C5b	require	not be required.	6111.03	General/Federal	40 CFR 131.11	yes	no	no
			The permittee has installed the treatment facilities required to meet the effluent limitations in the previous permit and						
			has properly operated and maintained the facilities but has nevertheless been unable to achieve the previous effluent			40 CFR 122.44(I) and 40			
3745-33-05	F1f	require	limitations.	6111.03	Federal	CFR 132 Appendix F	yes	yes	no
			In this case the limitations in the renewed, reissued, or modified permit may reflect the level of pollution control						
			actually achieved, but shall not be less stringent than required by the effluent guidelines in effect at the time of permit			40 CFR 122.44(I) and 40			
3745-33-05	F1f	require	renewal, reissuance or modification.	6111.03	Federal	CFR 132 Appendix F	yes	yes	no
			A point source that commenced discharge after March 23, 1997, or a recommencing discharger, shall install and have in						
			operating condition, and shall "start-up" all pollution control equipment required to meet the conditions of its permits			40 CFR 122.29, 40 CFR			
3745-33-05	G1	require	before beginning to discharge.	6111.03	Federal	132 Appendix F	yes	yes	no
			Any schedules of compliance issued under this paragraph shall require compliance as soon as possible, but not later						
3745-33-05	G2	require	than the applicable statutory deadline under the act.	6111.03	Federal	40 CFR 122.47	yes	no	no
			In such cases, the permit must require compliance with the tier II limitation within a reasonable period of time, no later						
3745-33-05	G3diii	require	than five years after permit renewal or modification, and contain a reopener clause.	6111.03	Federal	40 CFR 132	yes	yes	no
			If the director determines that adequate site-specific dissolved metals translator data exists, the ambient sampling may						
3745-33-05	C5b	may not	not be required.	6111.03	General/Federal	40 CFR 131.11	yes	no	no
			Ohio NPDES permits may not be renewed, reissued or modified to contain effluent limitations that are less stringent			40 CFR 122.44(I) and 40			
3745-33-05	F1	may not	than the comparable final effluent limitations in the previous permit except when any of the following apply:	6111.03	Federal	CFR 132 Appendix F	yes	yes	no
			The director shall include in Ohio NPDES permits the treatment and disposal standards and effluent limitations for	6111.03, 6111.042,					
3745-33-06	А	shall	discharges described in paragraph (C) of this rule.	6111.46	General/International	IJC agreements	yes	yes	yes
			Any publicly owned treatment works (POTW) in the lake Erie basin with a design flow of 1.0 million gallons per day or						
			more, or designated as a major discharger by the director, must meet a total phosphorus discharge limit of 1.0 milligram	6111.03, 6111.042,					
3745-33-06	C1	must	per liter as a thirty-day average.	6111.47	General/International	IJC agreements	yes	yes	no
			Any POTW or treatment works treating domestic sewage with a design flow of 0.2 million gallons per day or more that						
			discharges to a publicly owned lake or reservoir must meet a total phosphorus discharge limit of 1.0 milligram per liter	6111.03, 6111.042,					
3745-33-06	C2	must	(thirty-day average).	6111.48	General		yes	no	no
							,		
			Effluent limitations for these discharges will be based on the requirements of this rule, or any more stringent water-	6111.03, 6111.042,	General/International/F	IJC agreements, 40 CFR			
3745-33-06	Α	require	quality-based limitations required by rule 3745-33-07 of the Administrative Code.	6111.49	ederal	122.44, 40 CFR 122.45	ves	yes	no
	-		Final effluent limitations and monitoring requirements shall be established in an NPDES permit in accordance with this	6111.03, 6111.031,		40 CFR 122.44, 40 CFR	,	1,	-
3745-33-07	A	shall	rule.	6111.13	General/Federal	122.45	ves	no	no
			1	6111.03, 6111.031,		40 CFR 122.44(d), 40	, 55		
3745-33-07	A1	shall	Final effluent limitations shall be required for pollutants that meet any of the following conditions:	6111.13	General/Federal	CFR 131.12	yes	no	no
3, 13 33 0,	,,_	3.1011	and condens and be required for politically that meet any of the following conditions.	6111.03, 6111.031,	concrai, reactar	5 151.12	, ==	113	110
3745-33-07	A2	shall	Final effluent monitoring shall be required for pollutants assigned to group four of the pollutant assessment.	6111.13	General	40 CFR 122.48	yes	no	no
3/43/33-0/	74	Silaff	In addition, the permit shall include a tracking mechanism for all group four parameters with a projected effluent quality	6111.03, 6111.031,	General	40 CFR 122.48, 40 CFR	yes	110	110
3745-33-07	A2	shall	(PEQ) equivalent to or exceeding seventy-five per cent of the PEL.	6111.13	General	122.44(k)	Ves	ne	no
3/43-33-0/	AZ	Silali	ILLE CALL Edutation (10 of exceeding sevenity-five per cent of the PEL.		General		yes	no	no
2745 22 07	4.2	chall	The tracking language shall contain all of the following:	6111.03, 6111.031,	Conoral	40 CFR 122.48, 40 CFR	vos	20	lno.
3745-33-07	A2	shall	The tracking language shall contain all of the following:	6111.13	General	122.44(k)	yes	no	no

			Written notification shall detail the reasons for the level being above the PEL and for expectation of continued levels	6111.03, 6111.031,		40 CFR 122.48, 40 CFR			
3745-33-07	A2b	shall	above the PEL.	6111.13	General	122.44(k)	yes	no	no
				6111.03, 6111.031,		40 CFR 122.48, 40 CFR			
3745-33-07	A2d	shall	This request shall contain a justification for the additional time necessary to reduce discharge levels.	6111.13	General	122.44(k)	yes	no	no
			Final effluent monitoring for dioxin shall be required for a minimum of twelve months when detectable levels of	6111.03, 6111.031,			1		
3745-33-07	A4	shall	pentachlorophenol are present in the effluent.	6111.13	General	40 CFR 122.48	yes	no	no
07.10.00.07		5.1.4.1	If the director determines that a PEQ is unrepresentative due to a small data set, the pollutant shall be subject to the	6111.03, 6111.031,	- Contract	10 0111 122110	700		
3745-33-07	A5	shall	group four conditions of this rule, unless paragraph (A)(6) of this rule applies.	6111.13	General	40 CFR 122.44(d)	yes	no	no
3743-33-07	AS	Silali	When a point source discharge is subject to a WQBEL for pollutants considered additive, the permit for that discharge	6111.03, 6111.031,	General	40 CFR 122.44(u)	yes	110	110
2745 22 07	A 0 a	ah all	shall contain a limitation on the additivity of the pollutants unless either of the following apply:	6111.13	Fodoral	40 CED 133 Ammondia E			
3745-33-07	A8a	shall	, , ,		Federal	40 CFR 132 Appendix F	yes	yes	no
			If the sum is equal to or greater than 1.0, the permit shall contain a limitation regulating the additivity of these	6111.03, 6111.031,					
3745-33-07	A8aii	shall	pollutants.	6111.13	Federal	40 CFR 132 Appendix F	yes	yes	no
				6111.03, 6111.031,					
3745-33-07	A9	shall not	This paragraph shall not apply to temperature and pH.	6111.13	Federal	40 CFR 132 Appendix F	yes	yes	no
			The director shall not impose WQBELs for a discharge consisting solely of once-through noncontact cooling water drawn						
			from the same body of water that the effluent is discharged to as determined under paragraph (C) of rule 3745-2-06 of	6111.03, 6111.031,					
3745-33-07	A9a	shall not	the Administrative Code, except in the following situations	6111.13	General/Federal	40 CFR 132 Appendix F	yes	yes	yes
			The director shall require a WQBEL for a pollutant or a whole effluent toxicity (WET) limit when information is available						
			indicating that such a limit is necessary to protect existing or designated uses, unless the discharger is able to						
			demonstrate that the presence of the pollutant or WET is due solely to its presence in the intake water as determined	6111.03, 6111.031,					
3745-33-07	A9ai	shall	under paragraph (C) of rule 3745-2-06 of the Administrative Code.	6111.13	General/Federal	40 CFR 132 Appendix F	ves	yes	yes
			The director shall require a WQBEL for a pollutant when the pollutant concentration in the discharge exhibits		·			,	Í
			reasonable potential, is higher than ambient concentrations in the receiving water due to recirculation of the cooling						
			water in the receiving water body, and available information indicates that a limit is necessary to protect existing or	6111.03, 6111.031,					
3745-33-07	A9aii	shall	designated uses.	6111.13	General/Federal	40 CFR 132 Appendix F	VAS	yes	yes
3743 33 07	Asun	Silan	The director shall establish a WQBEL or other requirement in the permit for the noncontact cooling water wastestream	0111.13	General/reactar	40 CIN 132 Appendix I	yes	yes	yes
			if biological index measurements or WET measurements indicate that the noncontact cooling water discharge	6111.03, 6111.031,					
2745 22 07	100:::	ah all		· ·	Compred /Fordonal	40 CED 133 Ammondia E			
3745-33-07	A9aiii	shall	contributes to an impairment of an existing or designated use of the receiving waters.	6111.13	General/Federal	40 CFR 132 Appendix F	yes	yes	yes
				5444 02 5444 024					
			If a pollutant is present at elevated levels in the noncontact cooling water wastestream due to pollutants entering the	6111.03, 6111.031,					
3745-33-07	A9aiv	shall not	cooling system, paragraph (A)(9) of this rule shall not apply to the discharge of pollutants present at elevated levels.	6111.13	General/Federal	40 CFR 132 Appendix F	yes	yes	no
			If the permittee uses or proposes to use additives in the noncontact cooling water wastestream, the director shall						
			evaluate the additives to determine whether there is a reasonable potential for the additive to cause or contribute to a						
3745-33-07	A9av	shall	excursion of the water quality standards contained in Chapter 3745-1 of the Administrative Code.	6111.13	General/Federal	40 CFR 122.44(d)	yes	no	yes
			The director shall establish permit conditions or other requirements for the additives or their ingredients that ensure	6111.03, 6111.031,					
3745-33-07	A9av	shall	that Ohio water quality standards are attained.	6111.13	General/Federal	40 CFR 122.44(d)	yes	no	yes
			If the noncontact cooling water is combined with other wastestreams prior to final discharge, the provisions of						
			paragraph (A)(9) of this rule are restricted to the noncontact cooling water wastestream, and WQBELs shall be						
			established on a reasonable potential analysis for the sum of the other wastestreams conducted according to this rule	6111.03, 6111.031,		40 CFR 122.44(d), 40			
3745-33-07	A9avii	shall	and rule 3745-2-06 of the Administrative Code.	6111.13	General/Federal	CFR 132 Appendix F	yes	no	no
			If other individual wastestreams cannot be practically monitored, the director shall require WQBELs at the final	6111.03, 6111.031,		40 CFR 122.44(d), 40			
3745-33-07	A9avii	shall	discharge point.	6111.13	General/Federal	CFR 132 Appendix F	ves	no	yes
			The director shall require monitoring of the intake and any other locations necessary to verify and confirm the	6111.03, 6111.031,	,	40 CFR 122.44(d), 40	ľ	-	<u> </u>
3745-33-07	A9aviii	shall	conclusions about reasonable potential under paragraph (A)(9)(a) of this rule.	6111.13	General/Federal	CFR 132 Appendix F	ves	no	no
25 55 67	, .537111			6111.03, 6111.031,	Jana, rederal	z. n. zoz n.ppenami	,		
3745-33-07	A10	shall	Ohio NPDES permits shall require that discharges of treatment additives meet Ohio water quality standards.	6111.13	General/Federal	40 CFR 122.44(d)	yes	no	no
3743-33-07	AIO	Silali	onlo W DES permits shan require that discharges of treatment additives meet onlo water quality standards.	0111.13	General/Tederal	40 CI N 122.44(u)	yes	110	110
			To determine whether treatment additive discharges meet water quality standards, the director shall use the						
			procedures from rule 3745-1-40 and Chapter 3745-2 of the Administrative Code, or alternatively, using the procedures						
			from paragraph (D) of rule 3745-1-04 of the Administrative Code if toxicity data are available for the limiting endpoint,	6111.03, 6111.031,					
3745-33-07	A10	shall	acute or chronic, for at least one freshwater fish species and one freshwater invertebrate species.	6111.13	General/Federal	40 CFR 122.44(d)	yes	no	yes
			A discharge shall be deemed to be in compliance with an effluent limitation based upon the 0.012 ug/l thirty-day						
			average water quality criterion for total recoverable mercury specified in Chapter 3745-1 of the Administrative Code if	6111.03, 6111.031,		40 CFR 131.11, 40 CFR			
3745-33-07	A11	shall	either of the following occur	6111.13	General/Federal	122.44(d)	yes	no	no
			Any discharger seeking to make a demonstration pursuant to this paragraph shall include a notification of intent to						
			perform such a study in the monthly operating report that reports any exceedance of a mercury effluent limit based on	6111.03, 6111.031,		40 CFR 131.11, 40 CFR			
3745-33-07	A11b	shall	the 0.012 ug/l thirty-day average water quality criterion for total recoverable mercury.	6111.13	General/Federal	122.44(d)	yes	no	no
			Such demonstration shall be based upon results of a fish tissue study, conducted in accordance with a methodology	6111.03, 6111.031,		40 CFR 131.11, 40 CFR			
3745-33-07	A11b	shall	approved by the director.	6111.13	General/Federal	122.44(d)	yes	no	no
	-	1		1	1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1	1 - 1	1.	1 -	

			The results of the fish tissue study shall be submitted to the director for review and approval within one hundred and	6111.03, 6111.031,		40 CFR 131.11, 40 CFR			
3745-33-07	A11b	shall	twenty days of the discharge, or such additional period of time as specified by the director.	6111.13	General/Federal	122.44(d)	yes	no	no
			If the geometric mean of all representative samples of any species or weighted average of the geometric means of						
			various locally consumed species exceeds 0.3 mg/kg methylmercury, the director shall disapprove the demonstration	6111.03, 6111.031,		40 CFR 131.11, 40 CFR			
3745-33-07	A11b	shall	and the discharger shall implement a strategy to reduce sources of mercury.	6111.13	General/Federal	122.44(d)	yes	no	yes
			If the geometric mean of all representative samples of any species or weighted average of the geometric means of						
			various locally consumed species exceeds 0.3 mg/kg methylmercury, the director shall disapprove the demonstration	6111.03, 6111.031,		40 CFR 131.11, 40 CFR			
3745-33-07	A11b	shall	and the discharger shall implement a strategy to reduce sources of mercury.	6111.13	General/Federal	122.44(d)	yes	no	no
3743 33 07	AIID	Silaii	The director shall evaluate whole effluent toxicity for a discharge using a weight-of-evidence evaluation of available	0111.13	General/Tederal	122.44(0)	yes	110	110
			data on the factors listed in paragraphs (B)(1)(a) to (B)(1)(d) of this rule and the evaluation matrix in table 1 of this rule						
				6111 02 6111 021					
2745 22 27	B4		to determine whether the discharge has the reasonable potential to cause or contribute to violations of water quality	6111.03, 6111.031,	0 1/5 1 1	40.050.433.44/ !)			
3745-33-07	B1	shall	standards contained in Chapter 3745-1 of the Administrative Code.	6111.13	General/Federal	40 CFR 122.44(d)	yes	no	yes
				6111.03, 6111.031,					
3745-33-07	B1	shall	The director shall classify the toxicity hazard of the discharge in one of the four categories listed in table 1 of this rule.	6111.13	General/Federal	40 CFR 122.44(d)	yes	no	yes
			When the director determines that the discharge has the reasonable potential to cause or contribute to an exceedance						
			of the water quality standards contained in paragraph (D) of rule 3745-1-04 of the Administrative Code, the discharger						
			shall be classified in hazard category 1 of table 1 of this rule, and the permit shall contain a discharge limitation for						
			toxicity as determined using the procedures in rule 3745-2-09 of the Administrative Code, and any applicable	6111.03, 6111.031,					
3745-33-07	B2	shall	procedures in paragraphs (B)(5) to (B)(10) of this rule.	6111.13	General/Federal	40 CFR 122.44(d)	yes	no	no
			When the director determines that the discharge has the reasonable potential to cause or contribute to an exceedance		,		,		
			of the water quality standards contained in paragraph (D) of rule 3745-1-04 of the Administrative Code, the discharger						
			shall be classified in hazard category 1 of table 1 of this rule, and the permit shall contain a discharge limitation for						
			toxicity as determined using the procedures in rule 3745-2-09 of the Administrative Code, and any applicable	6111.03, 6111.031,					
2745 22 07	D2	-l II			C - 11 - 11 - 11 - 11 - 11	40 CED 422 44/-l\			
3745-33-07	B2	shall	procedures in paragraphs (B)(5) to (B)(10) of this rule.	6111.13	General/Federal	40 CFR 122.44(d)	yes	no	no
			For dischargers classified in hazard category 2, the director shall require monitoring with a permit limit for WET that is	6111.03, 6111.031,					
3745-33-07	B3	shall	triggered by events specified in the permit.	6111.13	General/Federal	40 CFR 122.44(d)	yes	no	yes
			When the evaluation from paragraph (B)(1) of this rule using factors in paragraphs (B)(1)(a) to (B)(1)(d) of this rule						
			indicates the discharger is classified in hazard category 3 of table 1 of this rule, the permit shall contain a monitoring	6111.03, 6111.031,		40 CFR 122.44(d), 40			
3745-33-07	B4	shall	requirement.	6111.13	General/Federal	CFR 122.48	yes	no	no
			Demonstrations conducted under paragraph (B)(5)(b) to (B)(5)(d) of this rule shall meet the requirements of rule 3745-1	- 6111.03, 6111.031,		40 CFR 122.44(d), 40			
3745-33-07	В6	shall	06 of the Administrative Code.	6111.13	General/Federal	CFR 131.13	yes	no	no
			The director shall review demonstrations under paragraphs (B)(5) and (B)(6) of this rule using the factors in paragraphs						
			(B)(1)(a) to (B)(1)(d) of this rule to ensure that uses are not impaired by toxicity before approving modified limitations	6111.03, 6111.031,		40 CFR 122.44(d), 40			
3745-33-07	В7	shall	for whole effluent toxicity.	6111.13	General/Federal	CFR 131.13	yes	no	yes
<u></u>		5.16.1	For the purposes of establishing whole effluent toxicity limitations, the values of 1.0 TUa and 1.0 TUc shall be the most	6111.03, 6111.031,	Jeneral, reaera.	0.11202120	700		7 - 5
3745-33-07	B10	shall	restrictive limitations applied in permits.	6111.13	General/Federal	40 CFR 122.44(d)	yes	no	no
3743-33-07	B10	Silali	Permits shall contain testing requirements at least four times per permit cycle for at least two species, one fish species	6111.03, 6111.031,	General/Tederal	40 CFR 122.44(u)	yes	110	110
2745 22 07	Daal	-l II			C - 11 - 11 - 11 - 11 - 11 - 11 - 11 -	40 CED 422 24/:\/E\			
3745-33-07	B11b	shall	and one macroinvertebrate species.	6111.13	General/Federal	40 CFR 122.21(j)(5)	yes	no	no
			Permits shall contain chronic toxicity testing requirements if the ratio of the downstream or mixing zone dilution is less						
3745-33-07	B11c	shall	than twenty to one, according to the procedures in rule 3745-2-09 of the Administrative Code.	6111.13	General/Federal	40 CFR 122.21(j)(5)	yes	no	no
			Permits shall contain acute toxicity testing requirements if the ratio of the downstream or mixing zone dilution is twenty	6111.03, 6111.031,					
3745-33-07	B11d	shall	to one or greater, according to the procedures in rule 3745-2-09 of the Administrative Code.	6111.13	General/Federal	40 CFR 122.21(j)(5)	yes	no	no
			The following shall apply when a water quality based effluent limit for a pollutant is calculated to be less than the	6111.03, 6111.031,					
3745-33-07	С	shall	quantification level:	6111.13	State/Federal	40 CFR 132 Appendix F	yes	yes	no
			and the second s	6111.03, 6111.031,	,		7	,	-
3745-33-07	C1	shall	The director shall designate as the limit in the NPDES permit the WQBEL exactly as calculated.	6111.13	Federal	40 CFR 132 Appendix F	ves	yes	yes
	— <del> </del>	5311	The permittee shall use the most sensitive analytical procedure currently approved under 40 C.F.R. 136 for each	6111.03, 6111.031,		102 / Appellaix I	,	1,00	,
3745-33-07	C23	shall	individual pollutant.	6111.13	Federal	40 CFR 132 Appendix F	VAS	Vec	no
J14J-J3-U1	C2a	Stidil		The state of the s	i cuciai	TO CITY TO APPENDIX F	yes	yes	no
2745 22 27	C3-	aha''	For the purpose of assessing compliance with an NPDES permit, any value reported below the quantification level shall	6111.03, 6111.031,	Choho /Fll	40 CED 433 A = 1' =			
3745-33-07	C2c	shall	be considered in compliance with the effluent limit.	6111.13	State/Federal	40 CFR 132 Appendix F	yes	yes	no
	1		For the purpose of calculating compliance with average limitations contained in an NPDES permit, compliance shall be						
			determined by taking the arithmetic mean of reported values for a given reporting period and comparing that mean to						
			the appropriate average permit limitation, using zero for any values detected at concentrations less than the	6111.03, 6111.031,					
3745-33-07	C2c	shall	quantification level.	6111.13	General/State/Federal	40 CFR 132 Appendix F	yes	yes	no
			Arithmetic mean values that are less than or equal to the permit limitation shall be considered in compliance with the	6111.03, 6111.031,					
3745-33-07	C2c	shall	effluent limit.	6111.13	General/State/Federal	40 CFR 132 Appendix F	yes	yes	no
			The quantification level is defined as the practical quantification level (PQL) except, for discharges to the lake Erie		, , , , , , , , , , , , , , , , , , , ,				
			drainage basin, the quantification level shall be the minimum level for analytical procedures that have minimum levels	6111.03, 6111.031,					
3745-33-07	C2d	shall	specified in, or approved under, 40 C.F.R. 136.	6111.13	General/State/Federal	40 CFR 132 Appendix F	ves	yes	no
13 33 07	CZU	Silali	presidently of approved under to on the 130.	V	Jeneral/State/Tederal	1.5 St N 152 Appelluix I	,	1100	

200-100-100   201   201   201   201-100-100-100-100-100-100-100-100-100-			I		5444 00 5444 004					T.
District Continued and an extention response character providence for present of the providence of the present of the providence of the present of the pre	3745-33-07	C2f	shall	Discharge-specific quantification levels shall be calculated using the procedures provided in 40 C.F.R. 136, appendix R.	· · · · · ·	Federal	40 CFR 136 Annendix B	VAS	VAS	no
200-11-12   1	3743-33-07	CZI	311011			reaciai	40 CIN 130 Appendix B	yes	yes	110
1972-1979   3   shall										
Face Sub-Organic Test Sub-Organic Sub-Or	3745-33-07	C3	shall		· · · · · ·	Federal	40 CFR 132 Appendix F	yes	yes	no
permitter to identify and conducting splitters inhibited size groups in a conductive with the \$374-35-90 of from \$151,000 cells of the conductive and the splitter inhibited size groups in the conductive with the \$374-35-90 of from \$151,000 cells of \$151,000 cell				For discharges to the lake Erie drainage basin, the director shall include a condition in the permit requiring the				,	,	
111.00   1					6111.03, 6111.031,					
1942-1979   24   1	3745-33-07	C4	shall	Administrative Code for each pollutant with a WQBEL below the quantification level.	6111.13	Federal	40 CFR 132 Appendix F	yes	yes	yes
17.5.1.1.1.2					6111.03, 6111.031,		40 CFR 122.44(d), 40			
14   Program   Pasie from the infection will be infection of the state of the sta	3745-33-07	B5d	must	Such studies must demonstrate that this zone is not rapidly lethal to floating or passing organisms.	6111.13	General/Federal	CFR 131.13	yes	no	no
240   63 of 7   22   equir   Phalefflare monitoring shall be required for pollulants assigned in graps four of the pollulant					6111.03, 6111.031,		40 CFR 122.44, 40 CFR			
245-3-677   A2   resulte   Third efficient continuing for down all the expectable or immunities of the continuing for down all the expectable or immunities of the expectable	3745-33-07	A1	require	Final effluent limitations shall be required for pollutants that meet any of the following conditions:	6111.13	General/Federal	122.45	yes	no	no
Second House anothrough for discondination to equate for a minimum of hardwise months who discondinate levels of permittive producting the start of protect shifting in expending the provent in the protect shifting in expending the provent in the protect shifting in expending the provent in the protect shifting in expending the start of the control of the protect shifting in expending the provent in the protect shifting in expending the provent in the protect shifting in expending the start of the control of t					· · · · · ·		\ ''			
1745-33-07   As	3745-33-07	A2	require			General	CFR 122.48	yes	no	no
The director that if require a WORLS for a pollutant or a whole efflorent constity (WET) mint when information is available inducting that was fined in receivable protection stating or expectation of project containing or protect centaining or expensed of the pollutant or WET is disposited to the provision of the contraining of the fined and the provision of the disposited and the disposited and the provision of the provisio				· ·	· · · · · · · · · · · · · · · · · · ·					
Ada	3745-33-07	A4	require	i i	6111.13	General	40 CFR 122.48	yes	no	no
Application										
245-33-07   ASI   require   under paragraph (C) of the 2747-20 of the Administrative Code.   Product of the pollular and concentration in the discharge criticis:   reactions with product of the concentration in the discharge criticis:   Product of the pollular and concentration in the discharge criticis:   Product of the concentration in the receival product and product and product production about reconsiderable production in the production about reconsiderable production about reconside					5444 02 5444 024		40.050.433.44/ 1).40			
The director shall require a WOGEI, for a pollutary when the polluta	2745 22 07	40-:			· · · · · ·	C 1 / 5 1 1	\ ''			
require   reaconable potentials is higher than ambient concentrations in the receiving water due to receivalishm of the cooling water in the receival provided in the interceival provided in the in	3/45-33-0/	A9aı	require	1 0 1 1 1	6111.13	General/Federal	CFR 132 Appendix F	yes	yes	no
2745-33-07   ABail require   requi										
2745-33-07   A9aii   require   estignated uses.   estimated individual valuesterares cannot be practically monitored, the director shall require WGRELs at the final   6111.03, 6111.03, 611					6111 02 6111 021		40 CEP 122 44/d) 40			
Aparal	27/5-22-07	ΛΩαίί	require		· · · · · · · · · · · · · · · · · · ·	General/Federal	, ,,	VAS	Vec	no
245/33-07   All vivil require   discharge point.   CFR 123 Appendix F   ves   ves   no	3743-33-07	Agaii	require			General/Federal	• • • • • • • • • • • • • • • • • • • •	yes	yes	110
The director shall require monitoring of the intake and any other locations necessary to verify and confirm the	37/15-33-07	ΔQavii	require			General/Federal		VAS	VAS	no
276-33-07   Adwii   require	3743-33-07	AJUVII	require	<u> </u>		General/Tederal		yes	yes	IIIO
3745-33-07   A10   require   Ohio NPOES permits shall require that discharges of treatment additives meet Ohio water quality standards.   5111.33   5111.3	3745-33-07	A9aviii	require		· ·	General/Federal		ves	ves	no
3745-33-07   All or require   Ohio NPDES permits shall require that discharges of treatment additives meet Ohio water guality sandards.   511.13   General/Federal   OCFR 122.44(d)   ves   no   no   no	37 13 33 07	7.547	require	contractions about reasonable potential ander paragraph (13/5)(a) or this rate.		Generaly reactar	erit 1927ipperidik i	yes	yes	
For dischargers designified in lazard category 2, the director shall require monitoring with a permit limit for WET that is   5111.03 i.111.031,   111.0	3745-33-07	A10	require	Ohio NPDES permits shall require that discharges of treatment additives meet Ohio water quality standards.		General/Federal	40 CFR 122.44(d)	ves	no	no
13745-33-07   83 require   triggered by events specified in the permit.   13113   Seneral/Federal   40 CFR 122.44(d)   ves   no   no   no   no   no   no   no   n					6111.03, 6111.031,	,	,	,		
2745-33-07   83   require   As an alternative to limits, the director may require the permittee to conduct a plant performance evaluation (PPE).   111.13   General/Federal   GFR 122.44(k)   ves   no   no   no   no   no   no   no   n	3745-33-07	В3	require	triggered by events specified in the permit.		General/Federal	40 CFR 122.44(d)	yes	no	no
if the ratio of stream design flow to effluent flow is less than 3.3 to 1.0, the director may require special measures to investigate and remediate acute toxicity when an effluent consistently exhibits thirty per cent to fifty per cent mortality of the per cent effluent.  3745-33-07  811aii require  Any POTWs with approved pretreatment programs or POTWs required to develop a pretreatment program.  611.13  General/Federal  40 CFR 122.44(b) yes no no no  745-33-07  C4, footnote. require  interpreted under the weight of evidence principle giving due consideration as to category but, if available, will be interpreted under the weight of evidence principle giving due consideration as to sampling location and conditions.  611.13  General/Federal  40 CFR 122.44(d) yes no no no  745-33-07  C4, footnote. may not  May not be appropriate for situations where AlM exists.  6111.13  General/Federal  40 CFR 122.44(d) yes no no no  7545-33-08  A shall  Each Ohio NPDES permit shall contain the following requirements:  611.103 General/Federal  40 CFR 122.44(d) yes no no no  7745-33-08  A1 shall  That all discharges authorized under the NPDES permit shall be consistent with the terms and conditions of the permit.  611.103 General/Federal  40 CFR 122.44(d) yes no no no  7745-33-08  A1 shall  That all discharges authorized under the NPDES permit shall be consistent with the terms and conditions of the permit.  611.03 General/Federal  40 CFR 122.44(d) yes no no no  7745-33-08  A1 shall  That the permittee shall submit to Ohio EPA monthly reports containing such information as shall be specified by the director.  611.03 Federal  40 CFR 122.44(a) yes yes no  7745-33-08  A3 shall  That the permittee shall submit to Ohio EPA monthly reports containing such information as shall be specified by the director.  611.03 Federal  40 CFR 122.48  9es no no no  7745-33-08  A3 shall  That the permittee shall submit to Ohio EPA monthly reports containing such information as shall be specified by the director.					6111.03, 6111.031,		40 CFR 122.44(d), 40			
Investigate and remediate acute toxicity when an effluent consistently exhibits thirty per cent to fifty per cent mortality (5111.03, 6111.031), (5111	3745-33-07	В3	require	As an alternative to limits, the director may require the permittee to conduct a plant performance evaluation (PPE).	6111.13	General/Federal	CFR 122.44(k)	yes	no	no
2745-33-07   B10   require   none hundred per cent effluent.   6111.13   General/Federal   CFR 122.44(k)   ves   no   no   no   no   no   no   no   n				If the ratio of stream design flow to effluent flow is less than 3.3 to 1.0, the director may require special measures to						
B11aii require Any POTWs with approved pretreatment programs or POTWs required to develop a pretreatment program.  6111.03, 6111.031, 61				investigate and remediate acute toxicity when an effluent consistently exhibits thirty per cent to fifty per cent mortality	6111.03, 6111.031,		40 CFR 122.44(d), 40			
3745-33-07 B11aii require Any POTWs with approved pretreatment programs or POTWs required for classification as to category but, if available, will be interpreted under the weight of evidence principle giving due consideration as to sampling location and conditions.  3745-33-07 C4, footnote. require interpreted under the weight of evidence principle giving due consideration as to sampling location and conditions.  3745-33-07 C4, footnote. may not May not be appropriate for situations where AIM exists.  40 CFR 122.44(d) yes no	3745-33-07	B10	require	in one hundred per cent effluent.		General/Federal	CFR 122.44(k)	yes	no	no
Results of ambient toxicity test are not binding or required for classification as to category but, if available, will be interpreted under the weight of evidence principle giving due consideration as to sampling location and conditions.  3745-33-07 C4, footnote. may not May not be appropriate for situations where AlM exists.  40 CFR 122.44(d) yes no										
3745-33-07 C4, footnote. require interpreted under the weight of evidence principle giving due consideration as to sampling location and conditions. 6111.03 General/Federal 40 CFR 122.44(d) yes no no no 3745-33-07 C4, footnote. may not May not be appropriate for situations where AIM exists. 6111.03 General/Federal 40 CFR 122.44(d) yes no no no 3745-33-08 A shall Each Ohio NPDES permit shall contain the following requirements: 6111.03 General/Federal 122.42 yes no no no 3745-33-08 A1 shall That all discharges authorized under the NPDES permit shall be consistent with the terms and conditions of the permit. 6111.03 General/Federal 40 CFR 122.41(a) yes yes no That the permit shall contain the following requirements: 6111.03 General/Federal 40 CFR 122.41(a) yes yes no That the permit shall contain the following requirements: 6111.03 General/Federal 40 CFR 122.41(a) yes yes no That the permit shall contain of the terms and conditions of the permit following requirements: 6111.03 General/Federal 40 CFR 122.41(a) yes yes no That the permit shall contain the following requirements: 6111.03 General/Federal 40 CFR 122.41(a) yes yes no That the permit shall contain of the terms and conditions of the permit following requirements: 6111.03 General/Federal 40 CFR 122.41(a) yes yes no That the permittee shall submit to Ohio EPA monthly reports containing such information as shall be specified by the director. 6111.03 Federal 40 CFR 122.48 yes no no no No 3745-33-08 A3 shall director. 6111.03 Federal 40 CFR 122.48 yes no no no No 3745-33-08 A4 shall That the permittee shall submit an annual report containing such information as shall be specified by the director. 6111.03 Federal 40 CFR 122.48 yes no	3745-33-07	B11aii	require	Any POTWs with approved pretreatment programs or POTWs required to develop a pretreatment program.	6111.13	General/Federal	40 CFR 122.21(j)(5)	yes	no	no
3745-33-07 C4, footnote. require interpreted under the weight of evidence principle giving due consideration as to sampling location and conditions.  3745-33-07 C4, footnote. may not May not be appropriate for situations where AIM exists.  511.03 General/Federal 40 CFR 122.44(d) yes no no no and standard formation as shall be consistent with the terms and conditions of the permit.  3745-33-08 A1 shall That all discharges authorized under the NPDES permit shall be consistent with the terms and conditions of the permit.  3745-33-08 A1 shall permittee shall submit to Ohio EPA monthly reports containing such information as shall be specified by the director.  3745-33-08 A3 shall director.  3745-33-08 A4 shall That the permittee shall submit to Ohio EPA monthly reports containing such information as shall be specified by the director.  3745-33-08 A4 shall That the permittee shall submit an annual report containing such information as shall be specified by the director.  3745-33-08 A4 shall That the permittee shall submit an annual report containing such information as shall be specified by the director.  3745-33-08 A4 shall That the permittee shall submit an annual report containing such information as shall be specified by the director.  3745-33-08 A4 shall That the permittee shall submit an annual report containing such information as shall be specified by the director.  3745-33-08 A4 shall That the permittee shall submit an annual report containing such information as shall be specified by the director.  3745-33-08 A4 shall That the permittee shall submit an annual report containing such information as shall be specified by the director.  3745-33-08 A4 shall That the permittee shall submit an annual report containing such information as shall be specified by the director.										
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A shall Each Ohio NPDES permit shall contain the following requirements:  A shall Each Ohio NPDES permit shall contain the following requirements:  A shall That all discharges authorized under the NPDES permit shall be consistent with the terms and conditions of the permit.  The discharge of any pollutants more frequently than or at a level in excess of that identified and authorized by the permit shall constitute a violation of the terms and conditions of the permit.  That the permittee shall submit to Ohio EPA monthly reports containing such information as shall be specified by the director.  A shall director.  That the permittee shall submit to Ohio EPA monthly reports containing such information as shall be specified by the director.  A shall director.  A sha	2745 22 27	64.6				6 1/5 1 1	40.050.422.44/ !\			
A shall Each Ohio NPDES permit shall contain the following requirements:  A shall That all discharges authorized under the NPDES permit shall be consistent with the terms and conditions of the permit.  The discharge of any pollutants more frequently than or at a level in excess of that identified and authorized by the permit shall constitute a violation of the terms and conditions of the permit.  That the permittee shall submit to Ohio EPA monthly reports containing such information as shall be specified by the director.  That the permittee shall submit to Ohio EPA monthly reports containing such information as shall be specified by the director.  That the permittee shall submit to Ohio EPA monthly reports containing such information as shall be specified by the director.  That the permittee shall submit to Ohio EPA monthly reports containing such information as shall be specified by the director.  That the permittee shall submit to Ohio EPA monthly reports containing such information as shall be specified by the director.  That the permittee shall submit an annual report containing such information as shall be specified by the director.  That the permittee shall submit an annual report containing such information as shall be specified by the director.  That the permittee shall submit an annual report containing such information as shall be specified by the director.  That the permittee shall submit an annual report containing such information as shall be specified by the director.  That the permittee shall submit an annual report containing such information as shall be specified by the director.  That the permittee shall submit an annual report containing such information as shall be specified by the director.	3/45-33-0/	C4, footnote.	may not	May not be appropriate for situations where AIM exists.	6111.13	General/Federal		yes	no	no
A1 shall That all discharges authorized under the NPDES permit shall be consistent with the terms and conditions of the permit.  The discharge of any pollutants more frequently than or at a level in excess of that identified and authorized by the permit shall constitute a violation of the terms and conditions of the permit.  That the permittee shall submit to Ohio EPA monthly reports containing such information as shall be specified by the director.  That the permittee shall submit to Ohio EPA monthly reports containing such information as shall be specified by the director.  That the permittee shall submit to Ohio EPA monthly reports containing such information as shall be specified by the director.  That the permittee shall submit to Ohio EPA monthly reports containing such information as shall be specified by the director.  That the permittee shall submit to Ohio EPA monthly reports containing such information as shall be specified by the director.  That the permittee shall submit an annual report containing such information as shall be specified by the director.  That the permittee shall submit an annual report containing such information as shall be specified by the director.  That the permittee shall submit an annual report containing such information as shall be specified by the director.  That the permittee shall submit an annual report containing such information as shall be specified by the director.  That the permittee shall submit an annual report containing such information as shall be specified by the director.	2745 22 00	^	chall	Each Ohio NDDES normit shall contain the following requirements:	6111 03	Conoral/Endoral	· ·	vos	no	200
The discharge of any pollutants more frequently than or at a level in excess of that identified and authorized by the permit shall constitute a violation of the terms and conditions of the permit.  That the permittee shall submit to Ohio EPA monthly reports containing such information as shall be specified by the director.  That the permittee shall submit to Ohio EPA monthly reports containing such information as shall be specified by the director.  That the permittee shall submit to Ohio EPA monthly reports containing such information as shall be specified by the director.  That the permittee shall submit to Ohio EPA monthly reports containing such information as shall be specified by the director.  That the permittee shall submit to Ohio EPA monthly reports containing such information as shall be specified by the director.  That the permittee shall submit to Ohio EPA monthly reports containing such information as shall be specified by the director.  That the permittee shall submit an annual report containing such information as shall be specified by the director.  That the permittee shall submit an annual report containing such information as shall be specified by the director.  That the permittee shall submit an annual report containing such information as shall be specified by the director.  That the permittee shall submit an annual report containing such information as shall be specified by the director.  That the permittee shall submit an annual report containing such information as shall be specified by the director.	3743-33-06	A	Silali	Each Onlo NPDES permit shall contain the following requirements.	0111.03	General/rederal	122.42	yes	110	110
The discharge of any pollutants more frequently than or at a level in excess of that identified and authorized by the permit shall constitute a violation of the terms and conditions of the permit.  That the permittee shall submit to Ohio EPA monthly reports containing such information as shall be specified by the director.  That the permittee shall submit to Ohio EPA monthly reports containing such information as shall be specified by the director.  That the permittee shall submit to Ohio EPA monthly reports containing such information as shall be specified by the director.  That the permittee shall submit to Ohio EPA monthly reports containing such information as shall be specified by the director.  That the permittee shall submit to Ohio EPA monthly reports containing such information as shall be specified by the director.  That the permittee shall submit an annual report containing such information as shall be specified by the director.  That the permittee shall submit an annual report containing such information as shall be specified by the director.  That the permittee shall submit an annual report containing such information as shall be specified by the director.  That the permittee shall submit an annual report containing such information as shall be specified by the director.  That the permittee shall submit an annual report containing such information as shall be specified by the director.  That the permittee shall submit an annual report containing such information as shall be specified by the director.	3745-33-08	A1	shall	That all discharges authorized under the NPDFS permit shall be consistent with the terms and conditions of the permit	6111 03	General/Federal	40 CFR 122 41(a)	ves	VPS	no
A1 shall permit shall constitute a violation of the terms and conditions of the permit.  That the permittee shall submit to Ohio EPA monthly reports containing such information as shall be specified by the director.  That the permittee shall submit to Ohio EPA monthly reports containing such information as shall be specified by the director.  That the permittee shall submit to Ohio EPA monthly reports containing such information as shall be specified by the director.  That the permittee shall submit to Ohio EPA monthly reports containing such information as shall be specified by the director.  That the permittee shall submit an annual report containing such information as shall be specified by the director.  That the permittee shall submit an annual report containing such information as shall be specified by the director.  That the permittee shall submit an annual report containing such information as shall be specified by the director.  That the permittee shall submit an annual report containing such information as shall be specified by the director.  That the permittee shall submit an annual report containing such information as shall be specified by the director.  That the permittee shall submit an annual report containing such information as shall be specified by the director.  That the permittee shall submit an annual report containing such information as shall be specified by the director.  That the permittee shall submit an annual report containing such information as shall be specified by the director.  That the permittee shall submit an annual report containing such information as shall be specified by the director.  That the permittee shall submit an annual report containing such information as shall be specified by the director.  That the permittee shall submit an annual report containing such information as shall be specified by the director.  That the permittee shall submit an annual report containing such information as shall be specified by the director.  That the permittee shall submit to Ohio E	3743 33 00	7.1	Silaii		0111.03	Generaly reactar	40 C/ N 122.41(u)	yes	yes	110
That the permittee shall submit to Ohio EPA monthly reports containing such information as shall be specified by the director.  That the permittee shall submit to Ohio EPA monthly reports containing such information as shall be specified by the shall submit to Ohio EPA monthly reports containing such information as shall be specified by the director.  That the permittee shall submit to Ohio EPA monthly reports containing such information as shall be specified by the director.  6111.03 Federal  40 CFR 122.48 yes no no no  70 Pederal  71 Pederal  72 Pederal  73 Pederal  74 OFR 122.48 yes no no no  75 Pederal  76 Pederal  77 Pederal  77 Pederal  78 Pederal  79 Pederal  70 Pederal  71 Pederal  72 Pederal  73 Pederal  74 Pederal  75 Pederal  75 Pederal  76 Pederal  77 Pederal  77 Pederal  78	3745-33-08	A1	shall		6111.03	General/Federal	40 CFR 122.41(a)	ves	ves	no
3745-33-08 A3 shall director.  That the permittee shall submit to Ohio EPA monthly reports containing such information as shall be specified by the director.  A3 shall director.  That the permittee shall submit to Ohio EPA monthly reports containing such information as shall be specified by the director.  6111.03 Federal 40 CFR 122.48 yes no no no								7	755	
That the permittee shall submit to Ohio EPA monthly reports containing such information as shall be specified by the director.  That the permittee shall submit to Ohio EPA monthly reports containing such information as shall be specified by the director.  6111.03 Federal  40 CFR 122.28, 40 CFR   122.41(II)   122.41(	3745-33-08	A3	shall		6111.03	Federal	40 CFR 122.48	yes	no	no
3745-33-08 A3 shall director. 6111.03 Federal 122.41(I) yes no no 3745-33-08 A4 shall That the permittee shall submit an annual report containing such information as shall be specified by the director. 6111.03 Federal 40 CFR 122.48 yes no no										
3745-33-08 A4 shall That the permittee shall submit an annual report containing such information as shall be specified by the director. 6111.03 Federal 40 CFR 122.48 yes no no	3745-33-08	A3	shall		6111.03	Federal		yes	no	no
	3745-33-08	A4	shall	That the permittee shall submit an annual report containing such information as shall be specified by the director.	6111.03	Federal	40 CFR 122.48	yes	no	no
	3745-33-08	A4	shall	That the permittee shall submit an annual report containing such information as shall be specified by the director.	6111.03	Federal	40 CFR 122.48	yes	no	yes
That the permittee shall report in such manner as shall be specified by the director, any discharge of pollutants in										
3745-33-08 A5   shall   violation of permit terms and conditions.   6111.03   Federal   40 CFR 122.41(I)   yes   no   no	3745-33-08	A5	shall	violation of permit terms and conditions.	6111.03	Federal	40 CFR 122.41(I)	yes	no	no

					1		1		
			That the permittee shall report in such manner as shall be specified by the director, any discharge of pollutants in						
3745-33-08	A5	shall	violation of permit terms and conditions.	6111.03	Federal	40 CFR 122.41(I)	yes	no	no
			Reports of monitoring results obtained by the permittee shall be submitted annually (or on such a more frequent			40 CFR 122.48, 40 CFR			
3745-33-08	A6	shall	schedule as is required in the permit) to Ohio EPA.	6111.03	Federal	122.41(I)	yes	no	no
			Monitoring and recording of monitoring results shall be conducted in accordance with regulations adopted or			40 CFR 122.41(e), (j)			
3745-33-08	A6	shall	subsequently amended by the administrator, including paragraphs (e) and (j) of 40 C.F.R. 122.41 and 40 C.F.R. 122.48.	6111.03	Federal	and (I)	yes	no	no
			That the permittee shall allow the director or the director's authorized representative to enter upon the permittee's						
3745-33-08	A7	shall	premises.	6111.03	Federal	40 CFR 122.41(i)	yes	no	no
			The authorized representative shall have access to any records required to be kept under the terms of the permit and						
3745-33-08	A7	shall	may copy any such records.	6111.03	Federal	40 CFR 122.41(i)	yes	no	no
			The director or the director's authorized representative shall have access to any monitoring equipment or wastewater						
			treatment facilities operated by the permittee for the purpose of inspecting such equipment or method required in the						
3745-33-08	A7	shall	permit and shall have access to point sources for the purposes of sampling the discharge.	6111.03	Federal	40 CFR 122.41(i)	yes	no	no
			The director or the director's authorized representative shall have access to any monitoring equipment or wastewater						
			treatment facilities operated by the permittee for the purpose of inspecting such equipment or method required in the						
3745-33-08	A7	shall	permit and shall have access to point sources for the purposes of sampling the discharge.	6111.03	Federal	40 CFR 122.41(i)	yes	no	no
			That the permittee shall maintain in good working order and operate at optimum levels in accordance with good				,		
			engineering practices any wastewater treatment facilities or control systems installed to achieve compliance with the						
3745-33-08	A8	shall	terms and conditions of the permit regardless of the quality of the effluent.	6111.03	Federal	40 CFR 122.41(e)	yes	no	no
07.10.00.00	7.0	5	That the permittee shall provide adequately trained and qualified personnel as required by Chapter 3745-7 of the	0111.00		10 0.11 1121.11(0)	700		
3745-33-08	A9	shall	Administrative Code to operate such wastewater treatment facilities.	6111.03	General		yes	no	no
37 13 33 00	7.5	Silan	Nuministrative code to operate such musternater recument recinities.	0111.03	General		763	110	
			That if a toxic effluent standard or prohibition (including a schedule of compliance) is established under section 307 (a)						
			of the act for a toxic pollutant that is present in the permittee's discharge and such standards or prohibition (including a						
			schedule of compliance) is more stringent than any limitation upon such pollutant in the NPDES permit, the director						
3745-33-08	A11	shall	shall modify the permit in accordance with the toxic effluent standard and so notify the permittee	6111.03	Federal	40 CFR 122.4(b)	yes	yes	yes
3743-33-08	AII	Silali	A sign shall be posted at each outfall under permit. Outfalls covered by this provision include, but are not limited to,	0111.03	rederai	40 CFR 122.4(b)	yes	yes	yes
			discharges of process wastewater, non-contact cooling water, sewage or discharges from remediation sites, and bypass						
3745-33-08	A12a	shall	or combined sewer overflow discharges.	6111 02	General		yes	no	no
3743-33-08	A12a	Silali	The sign shall include, at a minimum, the name of the permittee, the permit number, and the outfall number identified	0111.03	General		yes	110	110
3745-33-08	A12b	shall	in the permit.	6111 02	General		VOC.	no	no
3745-33-08	A12b	shall	The information shall be printed in letters not less than two inches high.		General		yes	no	no
3743-33-06	AIZU	Silali	The sign shall be a minimum of two feet by two feet and the bottom of the sign shall be a minimum of three feet above	0111.03	General		yes	110	110
3745-33-08	A12c	shall	the ground.	6111 02	General		VOC.	no	no
3745-33-06	AIZC	Sildii	The sign shall be a minimum of two feet by two feet and the bottom of the sign shall be a minimum of three feet above	0111.03	General		yes	no	no
3745-33-08	A12c	chall		6111 02	Conoral			200	
3743-33-06	A12c	shall	the ground.  No NPDES permit shall be issued for a semi-public disposal system whenever the sewage system of a publicly owned	0111.03	General		yes	no	no
2745 22 00	l <sub>D</sub>	shall	treatment works is available and accessible.	C111 02	General	CWA Sec 208			
3745-33-08	В	Shaii		6111.03	General	CWA Sec 208	yes	yes	no
			Notwithstanding the issuance or non-issuance of an NPDES permit to a semi-public disposal system, whenever the						
			sewage system of a publicly owned treatment works becomes available and accessible, the permittee operating any						
2745 22 00		-111	semi-public disposal system shall abandon the semi-public disposal system and connect it into the publicly owned	6444.00	Camanal				
3745-33-08	C	shall	treatment works.	6111.03	General		yes	yes	no
2745 22 00	52		For purposes of paragraph (D)(1) of this rule, adequate notice shall include the	6444.00		40.050.422.42(1)			
3745-33-08	D2	shall	following information:	6111.03	Federal	40 CFR 122.42(b)	yes	no	no
			Permits for facilities designated by the director as major discharges, in any of the following locations, shall require the						
			permittee to notify the public water supply operator as soon as practicable after a discharge begins that results from a						
3745-33-08	F1	shall	spill, separate sewer overflow, bypass, upset, or combined sewer overflow that reaches waters of the state:	6111.03	General		yes	no	no
			The director shall include in the permit a requirement for the permittee to have a notification plan with the public water						
	_		supply operator that defines specific notification requirements and what constitutes notification "as soon as	_					
3745-33-08	F2	shall	practicable."	6111.03	General		yes	no	yes
			In the affected permits, the director shall provide the telephone number and contact information related to the public						
3745-33-08	F2	shall	water supply operator.	6111.03	General		yes	no	yes
			The director shall include in the issuance of an Ohio NPDES permit any permit condition required by the act or			See citations in			
3745-33-08	G	shall	regulations adopted by the administrator, including 40 C.F.R. 122 to 125, 129 to 133, 136, 400 to 471, 501 and 503	6111.03	General/Federal	description	yes	yes	yes

			That facility expansions, production increases, or process modification that result in new or increased discharges of						
			pollutants must be reported by submission of a new NPDES application or, if such discharge does not violate effluent			40 CFR 122.41(I), 40 CFF	₹		
			limitations specified in the NPDES permit, by submission to the director of notice of such new or increased discharge of			122.42(a) and (b), 40			
3745-33-08	A2	must	pollutants.	6111.03	General/Federal	CFR 131.12	yes	no	no
07.15.55.55	, . <u>_</u>			0111.00	Concrai, reacrai	0.1122122	700		
3745-33-08	D1	must	All publicly owned treatment works (POTWs) must provide adequate notice to the director of the following:	6111.03	Federal	40 CFR 122.42(b)	ves	no	no
37 13 33 00		mase	That the point source is equipped with instrumentation to monitor and record data and other information about the	0111.03	reactar	40 CFR 122.48, 40 CFR	700	110	110
3745-33-08	A6	require	operation of the point source, if required by the director.	6111 02	General/Federal	122.41(e) and (l)	yes	no	no
3743-33-08	Au	require	Reports of monitoring results obtained by the permittee shall be submitted annually (or on such a more frequent	0111.03	General/Tederal	122.41(e) and (i)	yes	110	IIIO
3745-33-08	A.C.	roquiro		6111.03	Fodoral	40 CFR 122.41(I)	vos	200	
3745-33-06	A6	require	schedule as is required in the permit) to Ohio EPA.	0111.03	reuerai	40 CFR 122.41(I)	yes	no	no
2745 22 00	. 7		The authorized representative shall have access to any records required to be kept under the terms of the permit and	6444 00	r-dl	40 CED 422 44/:\			
3745-33-08	A7	require	may copy any such records	6111.03	Federal	40 CFR 122.41(i)	yes	no	no
			The director or the director's authorized representative shall have access to any monitoring equipment or wastewater						
			treatment facilities operated by the permittee for the purpose of inspecting such equipment or method required in the						
3745-33-08	A7	require	permit and shall have access to point sources for the purposes of sampling the discharge.	6111.03	Federal	40 CFR 122.41(i)	yes	no	no
			That the permittee shall provide adequately trained and qualified personnel as required by Chapter 3745-7 of the						
3745-33-08	A9	require	Administrative Code to operate such wastewater treatment facilities.	6111.03	General/State		yes	no	no
			A change in any condition that requires either a temporary or permanent reduction or elimination of the permitted						
3745-33-08	A10c	require	discharge.	6111.03	Federal	40 CFR 122.64(a)(4)	yes	no	no
			Signs are not required at in-plant sampling outfalls, or at outfalls that are not accessible to the public by land or by						
3745-33-08	A12a	require	recreational use of the water body.	6111.03	General		yes	no	no
			The director may require, as a permit condition or otherwise, electronic submittal of NPDES applications, reports and						
3745-33-08	E	require	monitoring data using information systems compatible with those of Ohio EPA.	6111.03	General/Federal	40 CFR 127.11	yes	no	no
			(1)Permits for facilities designated by the director as major discharges, in any of the following locations, shall require						
			the permittee to notify the public water supply operator as soon as practicable after a discharge begins that results from						
3745-33-08	F1	require	a spill, separate sewer overflow, bypass, upset, or combined sewer overflow that reaches waters of the state:	6111.03	General		yes	no	no
		·					<u></u>		
			(G)The director shall include in the issuance of an Ohio NPDES permit any permit condition required by the act or			See cited rules. Need to			
3745-33-08	G	require	regulations adopted by the administrator, including 40 C.F.R. 122 to 125, 129 to 133, 136, 400 to 471, 501 and 503.	6111.03	General/Federal	add Part 127	yes	yes	no
			When pollutant minimization programs are required under Chapter 3745-1, 3745-2, or 3745-33 of the Administrative			40 CFR 132 and	,	,	
3745-33-09	В	shall	Code, the pollutant minimization program shall be developed in accordance with this rule.	6111.03	General/Federal	Appendix F	yes	yes	no
37 13 33 03		Silaii	The pollutant minimization program shall examine all potential sources of the pollutant with the goal of maintaining the	0111.03	Generaly reactur	40 CFR 132 and	700	yes	
3745-33-09	B1	shall	effluent at or below the water quality-based effluent limit (WQBEL).	6111 03	General/Federal	Appendix F	yes	yes	no
3743-33-03	DI.	Silali	entucities of below the water quality-based entucity limit (wqbet).	0111.03	deneral/rederal	40 CFR 132 and	yes	yes	110
3745-33-09	B1	shall	The pollutant minimization program shall include, but is not limited to, all of the following:	6111 02	General/Federal	Appendix F	vos	voc	200
3743-33-09	PI	Silali	The pollutant minimization program shall include, but is not limited to, an of the following.	0111.03	General/rederal	40 CFR 132 and	yes	yes	no
3745-33-09	B1d	shall	An annual status report that shall be cent to Ohio EDA including the following information	6111 02	General/Federal		V00	1/05	
3743-33-09	Біц	Silali	An annual status report that shall be sent to Ohio EPA including the following information.	0111.03	General/rederal	Appendix F	yes	yes	no
			The report shall be submitted before March first of the following year, or, for discharges with approved pretreatment			40 CED 422 d			
2745 22 22	D4 1	1	programs under Chapter 3745-3 of the Administrative Code, all of the following information shall be submitted with	6444.00		40 CFR 132 and			
3745-33-09	B1d	shall	annual reports required under that chapter:	6111.03	General/Federal	Appendix F	yes	yes	no
			The report shall be submitted before March first of the following year, or, for discharges with approved pretreatment			10.055.100			
		1	programs under Chapter 3745-3 of the Administrative Code, all of the following information shall be submitted with			40 CFR 132 and			
3745-33-09	B1d	shall	annual reports required under that chapter:	6111.03	General/Federal	Appendix F	yes	yes	no
			A pollutant minimization program shall not be required if the permittee demonstrates that the discharge of a pollutant						
			with a WQBEL below the quantification level (QL) is reasonably expected to be in compliance with the WQBEL at the			40 CFR 132 and			
3745-33-09	В3	shall not	point of discharge into the receiving water.	6111.03	General/Federal	Appendix F	yes	yes	no
			In determining appropriate cost-effective control measures to be implemented in a pollutant minimization program, the			40 CFR 132 and			
3745-33-09	B4	shall	permittee shall consider all of the following factors:	6111.03	General/Federal	Appendix F	yes	yes	no
			The permit shall contain a reopener clause stating that the director may modify or revoke the permit to revise or						
			remove the requirements of this rule if supported by information generated as a result of implementing the			40 CFR 132 and			
3745-33-09	B5	shall	requirements of this rule.	6111.03	General/Federal	Appendix F	yes	yes	no
3745-33-09	C1	shall	To implement this option, a TOMP shall be submitted to Ohio EPA for review and approval.	6111.03	General/Federal	40 CFR 433 and 469	yes	no	no
3745-33-09	C1	shall	The TOMP shall include the following information, or the plan shall explain why the information is not included:	6111.03	General/Federal	40 CFR 433 and 469	yes	no	no
3745-33-09	C1	shall	The TOMP shall include the following information, or the plan shall explain why the information is not included:	6111.03	General/Federal	40 CFR 433 and 469	yes	no	no
			Once pollution prevention options are identified, a technical and economic evaluation of viable options shall be		, , , , , , , , , , , , , , , , , , , ,		İ		
3745-33-09	C1cii	shall	conducted to select options or projects.	6111.03	General/Federal	40 CFR 433 and 469	yes	no	no
1	1	1	the contraction of the Martin		+	1	1,	1	

			A schedule shall be developed and a measurement system to track the implementation progress of the selected		1				
3745-33-09	C1cii	shall	pollution prevention options shall be developed and revised as necessary.	6111 02	General/Federal	40 CFR 433 and 469	ves	no	no
3743-33-03	CICII	Silali	A schedule shall be developed and a measurement system to track the implementation progress of the selected	0111.03	General/Tederal	40 CI N 433 and 403	yes	110	110
3745-33-09	C1cii	shall	pollution prevention options shall be developed and revised as necessary.	6111 03	General/Federal	40 CFR 433 and 469	ves	no	no
3743-33-03	CICII	Silali	pollution prevention options shall be developed and revised as necessary.	0111.03	General/Tederal	40 Ci N 433 and 403	yes	110	110
3745-33-09	C1d	shall	A detailed description for each waste shall be included with information on how the waste is stored prior to disposal.	6111.03	General/Federal	40 CFR 433 and 469	yes	no	no
3745-33-09	C1e	shall	These procedures shall include, but are not limited to the following:	6111.03	General/Federal	40 CFR 433 and 469	yes	no	no
3745-33-09	C1ei	shall	These practices shall include, but are not limited to the following:	6111.03	General/Federal	40 CFR 433 and 469	yes	no	no
3745-33-09	C1eif	shall	The containment system shall be designed and maintained to prevent leakage.	6111.03	General/Federal	40 CFR 433 and 469	yes	no	no
3745-33-09	C1eii	shall	Visual inspections shall be conducted at least once per week.	6111.03	General/Federal	40 CFR 433 and 469	yes	no	no
3745-33-09	C1eiv	shall	This plan shall include all floor drains, dikes and containment areas in the storage facility.	6111.03	General/Federal	40 CFR 433 and 469	yes	no	no
			The permittee shall sample the discharge for all toxic organic pollutants included in the TTO definition at the point						
3745-33-09	C2	shall	where the TTO limit applies.	6111.03	General/Federal	40 CFR 433 and 469	yes	no	no
3745-33-09	C3	shall	In order to qualify for the alternative in paragraph (C) of this rule, the following criteria shall be met:	6111.03	General/Federal	40 CFR 433 and 469	yes	no	no
			Once every permit cycle, but no less frequently than once every five years, the TOMP shall be updated and the waste						
			stream subject to TTO limits shall be sampled and analyzed for TTO, or those toxic organic compounds expected to be						
3745-33-09	C4	shall	present.	6111.03	General/Federal	40 CFR 433 and 469	yes	no	no
			Once every permit cycle, but no less frequently than once every five years, the TOMP shall be updated and the waste						
			stream subject to TTO limits shall be sampled and analyzed for TTO, or those toxic organic compounds expected to be						
3745-33-09	C4	shall	present.	6111.03	General/Federal	40 CFR 433 and 469	yes	no	no
3745-33-09	C1a	must	Chemical constituents of trade name products must be identified.	6111.03	General/Federal	40 CFR 433 and 469	yes	no	no
			Estimates must include toxic organic chemicals discharges via process wastewater discharges, spills, leaks, rinse water						
3745-33-09	C1b	must	carryover, air pollution control devices and other sources.		General/Federal	40 CFR 433 and 469	yes	no	no
3745-33-09	C3a	must	The baseline analysis must show compliance with the appropriate TTO standards.	6111.03	General/Federal	40 CFR 433 and 469	yes	no	no
3745-33-09	C3b	must	An acceptable TOMP must be submitted.	6111.03	General/Federal	40 CFR 433 and 469	yes	no	no
			The following certification statement must be signed by an officer of the company or manager responsible for overall						
3745-33-09	C3c	must	plant operations, and submitted with the TOMP and each subsequent periodic compliance report:	6111.03	General/Federal	40 CFR 433 and 469	yes	no	no
			When pollutant minimization programs are required under Chapter 3745-1, 3745-2, or 3745-33 of the Administrative						
3745-33-09	В	require	Code, the pollutant minimization program shall be developed in accordance with this rule.	6111.03	General/Federal	40 CFR 132 Appendix F	yes	yes	no
			The report shall be submitted before March first of the following year, or, for discharges with approved pretreatment						
			programs under Chapter 3745-3 of the Administrative Code, all of the following information shall be submitted with						
3745-33-09	B1d	require	annual reports required under that chapter:	6111.03	General/Federal	40 CFR 132 Appendix F	yes	yes	no
			A pollutant minimization program shall not be required if the permittee demonstrates that the discharge of a pollutant						
			with a WQBEL below the quantification level (QL) is reasonably expected to be in compliance with the WQBEL at the						
3745-33-09	В3	require	point of discharge into the receiving water.	6111.03	Federal	40 CFR 132 Appendix F	yes	yes	no
			Ohio NPDES permit applications shall be acted upon and challenged in accordance with provisions of Chapters 3745.						
3745-33-10		shall	and 119. of the Revised Code and Chapters 3745-47 and 3745-49 of the Administrative Code.	6111.03	State		yes	yes	no

					Required by State or Fed Law or		Federally delegated	Removal would require state o	r Requirement on the
OAC Rule #	Paragraph	Restriction	Description/Quotation	Statutory Authority	general authority?	If Fed, crosswalk?	program?	federal law change?	agency or director?
			All local laws, regulations, and ordinances shall apply as long as these requirements are as						
			stringent as, or more stringent than, any set forth in the pretreatment rules under Chapter						
3745-36-01	С	shall	3745-3 of the Administrative Code and indirect discharge permit rules under this chapter.	6111.03(P), 6111.042	federal required	40 CFR 403.4	yes	yes	no
			The industrial user annually submits the certification statement required in paragraph (F)(3) of						
			rule 3745-36-10 of the Administrative Code together with any additional information						
3745-36-02	N4b	require	necessary to support the certification statement.	6111.03(P), 6111.042	federal required	40 CFR 403.12(q)	yes	yes	no
			Failure to provide, within forty-five days after the due date, required reports such as baseline						
			monitoring reports, ninety-day compliance reports, periodic self-monitoring reports, reports			40 CFR			
3745-36-02	S2f	require	on compliance with compliance schedules, or any other reports required by the director.	6111.03(P), 6111.042	federal required	403.8(f)(2)(viii)(F)	yes	yes	no
			Failure to provide, within forty-five days after the due date, required reports such as baseline						
			monitoring reports, ninety-day compliance reports, periodic self-monitoring reports, reports						
3745-36-02	S2f	require	on compliance with compliance schedules, or any other reports required by the director.	6111.03(P), 6111.042	general authority		yes	no	no
			The reduction or alteration may be obtained by physical, chemical, or biological treatment						
			processes, by BMPs, by pollution prevention alternatives including process changes, material						
			substitutions, improved operating practices and recycling, or by other means, except as						
3745-36-02	P7	prohibit	prohibited by paragraph (F) of rule 3745-36-09 of the Administrative Code.	6111.03(P), 6111.042	federal required	40 CFR 403.3(s)	yes	yes	no
3745-36-02	P9b	prohibit	Prohibited discharges established pursuant to rule 3745-36-04 of the Administrative Code.	6111.03(P), 6111.042	federal required	40 CFR 403.3(I)	yes	yes	no
			The requirement to obtain an individual indirect discharge permit in accordance with this rule						
			or coverage under an indirect discharge permit-by-rule as specified in rule 3745-36-06 of the						
			Administrative Code shall not apply to any industrial user that is under the regulatory						
			jurisdiction of a POTW that has an approved pretreatment program in accordance with the						
			provisions of Chapter 3745-3 of the Administrative Code, except in the context of an			40 CFR 403.10(f)(2)(i),			
3745-36-03	В	shall not	enforcement action.	6111.03(P), 6111.042	federal required / general authority	403.10(e), 403.10(f)(1)	yes	yes	no
			Where a POTW's pretreatment program approval has been withdrawn or revoked, all						
			significant industrial users and non-significant categorical industrial users of the POTW shall be						
			required to apply for an indirect discharge permit in accordance with this chapter no later						
			than ninety days from the date on which the industrial user was notified of the withdrawal or						
3745-36-03	С	shall	revocation of the pretreatment program approval.	6111.03(P), 6111.042	general authority		yes	no	no
			Industrial users required to obtain an individual indirect discharge permit for the first time						
3745-36-03	D	shall	shall submit the application required in paragraph (H) of this rule.	6111.03(P), 6111.042	general authority		yes	no	no
			In addition, the application shall include an authorization to discharge by the POTW, as						
3745-36-03	D	shall	described in paragraph (I) of this rule.	6111.03(P), 6111.042	general authority		yes	no	no
			A complete application shall be submitted in accordance with the corresponding time frame,						
3745-36-03	D	shall	as follows:	6111.03(P), 6111.042	general authority		yes	no	no
			Annual transition of the state						
			Any permittee who wishes to continue to discharge after the expiration of the permittee's						
2745 26 02	F4	-l II	individual indirect discharge permit shall submit a complete application for renewal of the	C444 02/D) C444 042					
3745-36-03	E1 E1	shall shall	permit at least one hundred eighty days prior to the expiration of the permit.  The application shall contain the information required in paragraph (H) of this rule.	6111.03(P), 6111.042	general authority		yes	no	no
3745-36-03	E1	Shaii	The application shall contain the information required in paragraph (H) of this rule.	6111.03(P), 6111.042	general authority		yes	no	no
			If the industrial user wiches to request less stringent paymit conditions, now nell starts						
			If the industrial user wishes to request less stringent permit conditions, new pollutants, or						
3745-36-03	E1	shall	increases in pollutant concentrations or loadings, the industrial user's application shall include the authorization to discharge by the POTW, as described in paragraph (I) of this rule		general authority		vos	200	no
3743-30-03	ET	Silali	Individual indirect discharge permits shall be renewed in accordance with the provisions for	6111.03(P), 6111.042	Reneral authority		yes	no	no
3745-36-03	E2	shall	individual indirect discharge permits shall be renewed in accordance with the provisions for lissuance of permits under this chapter.	6111.03(P), 6111.042	general authority		vos	200	no
3743-30-03	EZ	Silali	In renewing a permit, the director shall consider the compliance history of the permit holder	0111.U3(F), 0111.U42	Reneral authority		yes	no	no
			and may deny the renewal if the director determines that the permit holder has not complied						
3745-36-03	E3	shall	with the terms and conditions of the existing permit.	6111.03(P), 6111.042	general authority		VAS	no	VAS
3743-30-03	ES	Silali	If a permit renewal application is submitted at least one hundred eighty days prior to the	U111.U3(F), 0111.U42	Reneral authority	+	yes	no	yes
			expiration date of the existing permit, and the director proposes to deny the renewal of the permit in accordance with rule 3745-49-05 of the Administrative Code, the expired permit						
			shall continue to be in effect in accordance with section 119.06 of the Revised Code until such						
2745 26 02	E2	chall		6111 02(D) 6111 042	state required	ORC 119.06	voc		no
3745-36-03	E3	shall	time as the director issues a final action.	6111.03(P), 6111.042	state required	OUC 113.00	yes	no	IIU

	1						Т		
			Except for minor modifications, applications for modifications of individual indirect discharge						
			permits at the request of the permittee shall include the information required in paragraphs						
3745-36-03	F4a	shall	(H) and (I) of this rule and a description of the proposed change.	6111.03(P), 6111.042	gonoral authority		voc	100	no
3743-30-03	F4d	Sildii	This information shall be submitted on current forms prepared by and obtained from Ohio EPA		general authority		yes	110	no
3745-36-03	F4a	shall	and shall contain such information as Ohio EPA deems necessary.	6111.03(P), 6111.042	general authority		yes	no	no
3743 30 03	1 40	Silali	This information shall be submitted on current forms prepared by and obtained from Ohio EPA		general authority		yes		110
3745-36-03	F4a	shall	and shall contain such information as Ohio EPA deems necessary.	6111.03(P), 6111.042	general authority		yes	no	no
3743 30 03	1 40	Silan	and shan contain such information as only at A access necessary.	0111.05(1), 0111.042	general authority		yes		-110
			For minor modification requests, as described in paragraph (F)(3) of this rule, the industrial						
3745-36-03	F4b	shall	user shall describe the requested change and any other information required by the Ohio EPA.	6111 03(P) 6111 042	general authority		yes	no	no
37 13 30 03	1 12	Silan	A modification application for an individual indirect discharge permit submitted by the	0111.05(1), 0111.012	general authority		Yes		110
			permittee shall be signed using the same signatory requirements required for a permit						
3745-36-03	F5	shall	application pursuant to paragraph (H)(3) of this rule.	6111.03(P), 6111.042	general authority		yes	no	no
7 .5 55 55		5.14.1	Applications for individual indirect discharge permits shall be submitted on current forms	0111100(17) 01111011	Beneral authority		700	<del></del>	1
			prepared by and obtained from Ohio EPA, and shall contain such information as Ohio EPA						
3745-36-03	H1	shall	deems necessary.	6111.03(P), 6111.042	general authority		yes	no	no
7.15 55 55		5.1.4.1	Applications for individual indirect discharge permits shall be submitted on current forms	0111100(17) 01111011	Beneral authority		700		1.0
			prepared by and obtained from Ohio EPA, and shall contain such information as Ohio EPA						
3745-36-03	H1	shall	deems necessary.	6111.03(P), 6111.042	general authority		yes	no	no
3745-36-03	H2	shall	A written explanation of the deficiency shall accompany the returned application.	6111.03(P), 6111.042	general authority		yes	no	yes
			An application submitted to the director pursuant to this chapter shall be signed in one of the		0		7		
3745-36-03	Н3	shall	following ways:	6111.03(P), 6111.042	federal required / general authority	40 CFR 403.12(I)	yes	yes	no
					, ,	( )	7		
			If required by paragraph (D), (E), or (F) of this rule, an industrial user discharging to a POTW						
			not administering an approved pretreatment program shall be issued an individual indirect						
3745-36-03	11	shall	discharge permit only upon the written authorization of the POTW.	6111.03(P), 6111.042	general authority		yes	no	no
			The applicant shall obtain written authorization from the POTW and shall submit said	,			ĺ		
3745-36-03	l1	shall	authorization to Ohio EPA with the individual indirect discharge permit application.	6111.03(P), 6111.042	general authority		yes	no	no
			The applicant shall obtain written authorization from the POTW and shall submit said	,			ĺ		
3745-36-03	11	shall	authorization to Ohio EPA with the individual indirect discharge permit application.	6111.03(P), 6111.042	general authority		yes	no	no
			The written authorization letter from the POTW to the industrial user shall be submitted to						
			Ohio EPA and shall include, but not be limited to, all of the following information and signatory						
3745-36-03	12	shall	requirements:	6111.03(P), 6111.042	general authority		yes	no	no
			The written authorization letter from the POTW to the industrial user shall be submitted to						
			Ohio EPA and shall include, but not be limited to, all of the following information and signatory						
3745-36-03	12	shall	requirements:	6111.03(P), 6111.042	general authority		yes	no	no
			The director shall have the authority to disqualify any industrial discharger from coverage						
			under an indirect discharge permit-by-rule or deny an application for an individual indirect						
3745-36-03	J2	shall	discharge permit if either of the following apply:	6111.03(P), 6111.042	general authority		yes	no	yes
			An individual indirect discharge permit shall be effective for a fixed term not to exceed five			40 CFR 403.10(e), 40			
3745-36-03	K1	shall	years.	6111.03(P), 6111.042	federal required / general authority	CFR 403.8(f)(1)(iii)(B)(1)	yes	yes	no
			Applicability of rules of procedure. Indirect discharge permit applications and modification						
			requests shall be acted upon and may be challenged in accordance with the provisions in						
3745-36-03	M	shall	Chapters 3745-47 and 3745-49 of the Administrative Code.	6111.03(P), 6111.042	general authority		yes	no	yes
			Any significant industrial user or non-significant categorical industrial user, as defined in rule						
			3745-36-02 of the Administrative Code, is required to apply for and obtain an individual						
3745-36-03	Α	require	indirect discharge permit in accordance with this chapter.	6111.03(P), 6111.042	general authority		yes	no	no
			Where a POTW's pretreatment program approval has been withdrawn or revoked, all						
			significant industrial users and non-significant categorical industrial users of the POTW shall be						
			required to apply for an indirect discharge permit in accordance with this chapter no later						
			than ninety days from the date on which the industrial user was notified of the withdrawal or						
3745-36-03	С	require	revocation of the pretreatment program approval.	6111.03(P), 6111.042	general authority		yes	no	no
2745 22 22			Industrial users required to obtain an individual indirect discharge permit for the first time	6444 00/5\ 51::					
3745-36-03	D	require	shall submit the application required in paragraph (H) of this rule.	6111.03(P), 6111.042	general authority		yes	no	no
2745 22 22			Industrial users required to obtain an individual indirect discharge permit for the first time	6444 00/5\ 6444 5	1				
3745-36-03	D	require	shall submit the application required in paragraph (H) of this rule.	6111.03(P), 6111.042	general authority		yes	no	no
3745-36-03	E1	require	The application shall contain the information required in paragraph (H) of this rule.	6111.03(P), 6111.042	general authority		yes	no	no
			When required to incorporate an applicable toxic effluent standard or prohibition under						
3745-36-03	F2e	require	section 307(a) of the act.	6111.03(P), 6111.042	general authority		yes	no	no
3745-36-03	F2g	require	When required by reopener conditions in a permit.	6111.03(P), 6111.042	general authority		yes	no	no
3745-36-03	F3bii	require	Require more frequent monitoring or reporting by the permittee.	6111.03(P), 6111.042	general authority		yes	no	no

			Except for minor modifications, applications for modifications of individual indirect discharge						
			permits at the request of the permittee shall include the information required in paragraphs						
45-36-03	F4a	require	(H) and (I) of this rule and a description of the proposed change.	6111.03(P), 6111.042	general authority		yes	no	no
			For minor modification requests, as described in paragraph (F)(3) of this rule, the industrial						
45-36-03	F4b	require	user shall describe the requested change and any other information required by the Ohio EPA.	6111.03(P), 6111.042	general authority		yes	no	no
			A modification application for an individual indirect discharge permit submitted by the						
45.06.00			permittee shall be signed using the same signatory requirements required for a permit	5444 00/0) 5444 040	1 11 11				
745-36-03	F5	require		6111.03(P), 6111.042	general authority		yes	no	no
745 26 02	114		The director may require as a permit condition or otherwise, electronic submittal of an	C111 03/D) C111 043	and and anthonist.				
745-36-03	H1	require	application using information systems compatible with those of Ohio EPA.	6111.03(P), 6111.042	general authority		yes	no	yes
			If required by paragraph (D), (E), or (F) of this rule, an industrial user discharging to a POTW						
			not administering an approved pretreatment program shall be issued an individual indirect						
745-36-03	11	require		6111.03(P), 6111.042	general authority		yes	no	no
77-3 30 03	11	require	If applicable, BMPs, pollution prevention plans and monitoring to obtain required pollutant	0111.03(1), 0111.042	general actionty		yes	ino ino	110
745-36-03	J1b	require	discharge information are provided for.	6111.03(P), 6111.042	federal required / general authority	40 CFR 403.12(b)(5)(ii)	yes	yes	no
7.15 55 55	322	. equ e	and the grant an	0111.00(1 )) 011110 11	leacian required y Beneral authority	10 0111 100122(0)(0)(11)	700	700	
			If required by Ohio EPA, performance tests, conducted at the applicant's expense after the						
			application was filed and in accordance with methods prescribed by Ohio EPA, demonstrate						
			that the discharge is in compliance with the authorized discharge levels pursuant to applicable						
745-36-03	J1c	require		6111.03(P), 6111.042	general authority		yes	no	no
		' '		, ,, , , , , , , , , , , , , , , , , ,	,		<u> </u>		-
			The director has reason to believe that any of the prohibited substances in rule 3745-36-04 of			40 CFR 403.3(I),			
745-36-03	J2a	prohibit	the Administrative Code will be discharged.	6111.03(P), 6111.042	federal required / general authority	403.8(f)(1)(i), 403.10(e)	yes	yes	no
			Pollutants introduced into a POTW by an industrial user shall not pass through the POTW or						
745-36-04	Α	shall not	interfere with the operation or performance of the POTW.	6111.03(P), 6111.042	federal required	40 CFR 403.5(a)(1)	yes	yes	no
745-36-04	В	shall	None of the following described substances shall be introduced into a POTW:	6111.03(P), 6111.042	federal required	40 CFR 403.5(b)	yes	yes	no
			No industrial user shall discharge any pollutant in violation of applicable pretreatment						
745-36-04	С	shall	standards.	6111.03(P), 6111.042	general authority		yes	no	no
			In cases where pollutants contributed by an industrial user may result or have resulted in						
			interference or pass through of the POTW and such violation is likely to recur, the director may						
			require POTWs that are not required to develop a pretreatment program pursuant to						
			paragraph (A) of rule 3745-3-03 of the Administrative Code, to develop and enforce BMPs and						
			specific technically supported effluent limits for an industrial user, and all other users, as						
			appropriate, that together with appropriate changes in the POTW's treatment plant's facilities						
			or operation, are necessary to ensure renewed and continued compliance with the POTW's						
745-36-04	D	require	NPDES permit, or sludge use or disposal practices.	6111.03(P), 6111.042	federal required	40 CFR 403.5(c)(2)	yes	yes	yno
			In cases where pollutants contributed by an industrial user may result or have resulted in						
			interference or pass through of the POTW and such violation is likely to recur, the director may						
			require POTWs that are not required to develop a pretreatment program pursuant to						
			paragraph (A) of rule 3745-3-03 of the Administrative Code, to develop and enforce BMPs and						
			specific technically supported effluent limits for an industrial user, and all other users, as						
			appropriate, that together with appropriate changes in the POTW's treatment plant's facilities						
745-26-04		roquiro	or operation, are necessary to ensure renewed and continued compliance with the POTW's	6111 02/0\ 6111 042	fodoral required	40 CED 403 E(a)(3)	VOS	V05	20
745-36-04 745-36-04	Title	require prohibit	NPDES permit, or sludge use or disposal practices.  Prohibited discharges.	6111.03(P), 6111.042 6111.03(P), 6111.042	federal required federal required	40 CFR 403.5(c)(2) 40 CFR 403.5	yes	yes yes	no no
743-30-04	riue	prombit	All industrial users shall notify the POTW immediately of all discharges that could cause	0111.U3(r), 0111.U42	rederar required	40 CFN 403.3	yes	yes	110
			problems to the POTW, including any slug loading, as defined in rule 3745-36-02 of the						
745-36-05	Δ	shall	Administrative Code.	6111.03(P), 6111.042	federal required	40 CFR 403.12(f)	yes	yes	no
, -3-30-03		Silali	The industrial user shall immediately notify the POTW and Ohio EPA upon discovery of any	0111.03(1 ), 0111.042	reactar required	70 CI N 703.12(I)	yes	усз	110
745-36-05	A	shall	slug load as follows:	6111.03(P), 6111.042	federal required / general authority	40 CFR 403.12(f)	yes	yes	no
5 55 65	,,	Siluii	Immediately upon the discovery of a slug load, the industrial user shall provide all of the	505(1 ), 004Z	- Secretaries and a secretaria deficiently	40 CFR 403.16(c)(3),	,	303	110
	A1	shall	following:	6111.03(P), 6111.042	federal required / general authority	403.17(c)(2)	yes	yes	no
745-36-05		311011	Within five business days of the day when the slug load occurred, a written report containing				,	100	110
745-36-05			the information required by paragraph (A)(1) this rule shall be filed with the POTW and the						
745-36-05			in a manufacture of the contraction of the contract	Ī	Í	10.050.400.0(0/0)/ :)/ )			
	A2	shall		6111.03(P). 6111.042	federal required / general authority	140 CFR 403.8(f)(7)(vi)(c)	ives	ives	Ino
745-36-05	A2	shall	appropriate district office of Ohio EPA.	6111.03(P), 6111.042	federal required / general authority	40 CFR 403.8(f)(2)(vi)(c)	yes	yes	no
	A2	shall		6111.03(P), 6111.042	federal required / general authority	40 CFR 403.8(f)(2)(VI)(c)	yes	yes	no

				T	T	1	1		
			The signs shall instruct all employees who may cause or discover such a discharge with respect						
3745-36-05	В	shall	to the notification procedure required by this rule.	6111.03(P), 6111.042	general authority		yes	no	no
			Within five business days of the day when the slug load occurred, a written report containing						
			the information required by paragraph (A)(1) this rule shall be filed with the POTW and the						
3745-36-05	A2	require	appropriate district office of Ohio EPA.	6111.03(P), 6111.042	federal required / general authority	40 CFR 403.8(f)(2)(vi)(c)	yes	yes	no
			The signs shall instruct all employees who may cause or discover such a discharge with respect						
3745-36-05	В	require	to the notification procedure required by this rule.	6111.03(P), 6111.042	general authority		yes	no	no
			Notwithstanding any other provision of this chapter, an industrial user shall be deemed to						
			have an indirect discharge permit-by-rule if the industrial user meets all of the following		1 1 1				
3745-36-06	A	shall	conditions:	6111.03(P), 6111.042	general authority		yes	no	no
			An industrial user that does not qualify for an indirect discharge permit-by-rule in accordance						
			with this rule shall submit an application for an individual indirect discharge permit as		1 1 1				
3745-36-06	В	shall	specified in rule 3745-36-03 of the Administrative Code.	6111.03(P), 6111.042	general authority		yes	no	no
			Any record, report, or other information obtained under this chapter shall be available to the						
			public, except upon a showing satisfactory to the director that all or part of such record,						
			report, or other information, other than effluent data, would divulge methods or processes						
			entitled to protection as trade secrets, in which instance Ohio EPA shall consider such record,						
			report, or other information or part thereof as confidential and administer such record,			40 CFR 403.14, ORC			
3745-36-07	A	shall	report, or other information pursuant to this rule.	6111.03(P), 6111.042	federal required / general authority	6111.05 (A)	yes	yes	no
			Any record, report, or other information obtained under this chapter shall be available to the						
			public, except upon a showing satisfactory to the director that all or part of such record,						
			report, or other information, other than effluent data, would divulge methods or processes						
			entitled to protection as trade secrets, in which instance Ohio EPA shall consider such record,			40 CFR 403.14(b), ORC			
			report, or other information or part thereof as confidential and administer such record,			6111.05(A), 40 CFR			
3745-36-07	Α	shall	report, or other information pursuant to this rule.	6111.03(P), 6111.042	federal required / general authority	2.302	yes	yes	yes
			Wastewater constituents and characteristics and other effluent data, as defined in 40 C.F.R.						
			2.302, shall not be considered confidential information and shall be available to the public			6111.05(A), 40 CFR			
3745-36-07	Α	shall not	without restriction.	6111.03(P), 6111.042	federal required / general authority	2.302, 40 CFR 403.14 (b	) yes	yes	no
			Wastewater constituents and characteristics and other effluent data, as defined in 40 C.F.R.						
			2.302, shall not be considered confidential information and shall be available to the public						
3745-36-07	Α	shall	without restriction.	6111.03(P), 6111.042	federal required	40 CFR 403.14(b)	yes	yes	no
			All other information that is submitted to the state or POTW shall be available to the public at						
3745-36-07	Α	shall	least to the extent provided by 40 C.F.R. 2.302.	6111.03(P), 6111.042	federal required	40 CFR 403.14(c)	yes	yes	no
			A request for confidential treatment shall be submitted to Ohio EPA simultaneously with						
			submission of the specific record, report, or other information with documentation sufficient						
3745-36-07	В	shall	to support that the record, report, or other information is confidential.	6111.03(P), 6111.042	federal required / general authority	40 CFR 403.14(a)	yes	yes	no
			Failure to make such timely request shall constitute a waiver of the right to prevent public						
3745-36-07	В	shall	disclosure.	6111.03(P), 6111.042	federal authority	40 CFR 403.14(a)	yes	yes	no
			A decision as to whether to treat the record, report, or other information as confidential shall						
			be made by the director within forty-five days of receipt of the request and accompanying						
3745-36-07	С	shall	documentation.	6111.03(P), 6111.042	general authority		yes	no	yes
			Until such decision is made, the record, report, or other information or part thereof, shall be						
3745-36-07	С	shall	treated as confidential.	6111.03(P), 6111.042	general and federal	40 CFR 2.205	yes	yes	no
3745-36-07	C	shall	The person requesting confidentiality shall be notified in writing of the director's decision.	6111.03(P), 6111.042	general and federal	40 CFR 2.205	yes	yes	yes
			These reports shall contain all results of sampling required by the individual indirect discharge			40 CFR 403.12(g)(6),			
3745-36-08	A	shall	permit.	6111.03(P), 6111.042	federal required / general authority	(e)(1), (h)	yes	yes	no
			Industrial users subject to pretreatment standards after the compliance date of such						
			pretreatment standard, or in the case of a new source, after commencement of discharge into						
2745 26 00		ala - II	the POTW, shall submit a periodic compliance monitoring report to Ohio EPA and the POTW	C111 02(D) C111 012	federal required /	40 CED 403 43/-1/41 // 1			
3745-36-08	A1	shall	during the months of June and December, unless any of the following apply:	6111.03(P), 6111.042	federal required / general authority	40 CFR 403.12(e)(1), (h)	yes	yes	no
2745 26 00	4.3		The most alternation and the state of the st	C111 02/D\ C111 015	ford and no puice of	40 CED 403 437 V/41 (1)			
3745-36-08	A2	shall	The periodic compliance monitoring report shall include all of the following information:	6111.03(P), 6111.042	federal required	40 CFR 403.12(e)(1), (h)	yes	yes	no
2745 26 00	424	ala - II	The group shed flagging formation about include all of the fellowine in formation	C111 02(D) C111 012	federal required /	40 CED 403 43/-1/41 // 1			
3745-36-08	A2b	shall	The reported flow information shall include all of the following information:	6111.03(P), 6111.042	federal required / general authority	40 CFR 403.12(e)(1), (h)	yes	yes	no
			In control to the section of the sec						
			In cases where the pretreatment standard requires compliance with a BMP or a pollution						
2745 26 00	4.2	ch = !!	prevention alternative, the report shall include documentation required by Ohio EPA or the	6111 02(D) 6111 042	fodoral required	40 CED 403 43/5\/4\ /\-\		v.o.c	200
3745-36-08	A3	shall	pretreatment standard necessary to determine the compliance status of the user.	6111.03(P), 6111.042	rederal required	40 CFR 403.12(e)(1), (h)	yes	yes	no

							1		
			Sampling and analysis performed in preparation of any report required by this chapter shall be						
3745-36-08	В	shall	conducted in accordance with all of the following:	6111.03(P), 6111.042	federal required	40 CFR 403.12(g)	yes	yes	no
			The individual indirect discharge permit application, initial compliance report, and periodic						
			compliance report required in this chapter, shall be based upon data obtained through						
			appropriate sampling and analysis performed during the period covered by the report, in						
3745-36-08	B1	shall	which data is representative of conditions occurring during the reporting period	6111.03(P), 6111.042	federal required	40 CFR 403.12(g)(3)	yes	yes	no
			The Ohio EPA shall require that frequency of monitoring necessary to assess and assure						
3745-36-08	B2	shall	compliance by industrial users with applicable pretreatment standards and requirements.	6111.03(P), 6111.042	federal required	40 CFR 403.12(g)(3)	yes	yes	yes
			Grab samples shall be used for pH, hexavalent chromium, cyanide, total phenols, oil and			40 CFR 403.12(g)(3), 40			
3745-36-08	В3	shall	grease, sulfide, and volatile organic compounds.	6111.03(P), 6111.042	federal required / general authority	CFR 136	yes	yes	no
			For all other pollutants, twenty-four-hour composite samples shall be obtained through flow-						
			proportional composite sampling techniques, unless time-proportional composite sampling or						
3745-36-08	B4	shall	grab sampling is authorized by Ohio EPA.	6111.03(P), 6111.042	federal required	40 CFR 403.12(g)(3)	yes	yes	no
			Where time-proportional composite sampling or grab sampling is authorized by the director,		·	(O/C /	,	ĺ	
			the samples shall be representative of the discharge and the decision to allow the alternative						
3745-36-08	B5	shall	sampling shall be documented by the industrial user.	6111.03(P), 6111.042	federal required	40 CFR 403.12(g)(3)	yes	yes	no
	-		Where time-proportional composite sampling or grab sampling is authorized by the director,	1 1 1 1 1 1		(0)(-)	,		-
			the samples shall be representative of the discharge and the decision to allow the alternative						
3745-36-08	B5	shall	sampling shall be documented by the industrial user.	6111.03(P), 6111.042	federal required / general authority	40 CFR 403.12(g)(3)	yes	yes	no
3743 30 00	55	Silan	A minimum of four grab samples shall be used for pH, hexavalent chromium, cyanide, total	0111.05(1), 0111.0+2		40 CI N 403.12(g)(3)	yes	yes	110
			phenols, oil and grease, sulfide, and volatile organics for facilities for which historical sampling						
3745-36-08	B7a	shall	data do not exist.	6111.03(P), 6111.042	federal required / general authority	40 CFR 403.12(g)(4)	yes	yes	no
3743-30-08	D/a	Silali	For all other pollutants, twenty-four-hour composite samples shall be obtained through flow-	0111.03(F), 0111.042	lederal required / general authority	40 CFR 403.12(g)(4)	yes	yes	110
			proportional composite sampling techniques, unless flow-proportional sampling is waived by						
2745 26 00	D70	chall		6111.03(P), 6111.042	fodoral required	40 CER 403 13(a)(3)		lues .	
3745-36-08	B7c	shall	the director.	6111.03(P), 6111.042	federal required	40 CFR 403.12(g)(3)	yes	yes	no
			For the projection of the conditions are the conditional to the condit						
			For the periodic compliance report required by paragraph (A) of this rule, the Ohio EPA shall						
2745 26 00	B0	-111	require the number of grab samples necessary to assess and assure compliance by industrial	C444 02/P) C444 042	fordered as well as d	40 CED 402 42(-)(2) (4)			
3745-36-08	B8	shall	users with applicable pretreatment standards and requirements.	6111.03(P), 6111.042	federal required	40 CFR 403.12(g)(3)-(4)	yes	yes	yes
			The required number of grab samples shall only apply for pollutants listed in paragraph (B)(3)						
			of this rule, or where grab sampling is authorized by the director in accordance with paragraph						
3745-36-08	B8	shall	(B)(5) of this rule.	6111.03(P), 6111.042	federal required / general authority	40 CFR 403.12(g)(3)-(4)	yes	yes	no
			Samples shall be taken immediately downstream from pretreatment facilities, if such exist, or						
3745-36-08	B9	shall	immediately downstream from the regulated process if no pretreatment exists.	6111.03(P), 6111.042	federal required / general authority	40 CFR 403.12(b)(5)(iv)	yes	yes	no
			If the wastewaters regulated by categorical standards mix with other wastestreams prior to						
			pretreatment, the user shall measure the flows and concentrations necessary to allow use of						
			the combined wastestream formula under paragraph (H) of rule 3745-36-10 of the						
			Administrative Code in order to evaluate compliance with the categorical pretreatment						
3745-36-08	B9	shall	standards.	6111.03(P), 6111.042	federal required / general authority	40 CFR 403.12(b)(5)(iv)	yes	yes	no
			Except as otherwise provided in this rule, sampling and analysis shall be performed in						
3745-36-08	B10	shall	accordance with the techniques prescribed in 40 C.F.R. 136.	6111.03(P), 6111.042	federal required	40 CFR 403.12(g)(5)	yes	yes	no
			Where 40 C.F.R. 136 does not contain sampling or analytical techniques for the pollutant in						
			question, or where the director determines that the 40 C.F.R. 136 sampling and analytical						
			techniques are inappropriate for the pollutant in question, sampling and analysis shall be						
			performed by using analytical methods or other applicable sampling and analytical procedures						
3745-36-08	B10	shall	approved by the director.	6111.03(P), 6111.042	federal required	40 CFR 403.12(g)(5)	yes	yes	no
			Unless paragraph (B)(12)(c) of this rule applies, repeat sampling and analysis shall be						
			performed within thirty days after the industrial user or Ohio EPA becomes aware of the						
3745-36-08	B12	shall	violation.	6111.03(P), 6111.042	federal required	40 CFR 403.12(g)(2)	yes	yes	no
			If sampling performed by an industrial user indicates a violation, the user shall notify Ohio EPA		·	10/1			
3745-36-08	B12a	shall	within twenty-four hours of becoming aware of the violation.	6111.03(P), 6111.042	federal required	40 CFR 403.12(g)(2)	yes	yes	no
			The user shall also repeat the sampling and analysis and submit the results of the repeat				,	1	1
3745-36-08	B12a	shall	analysis to Ohio EPA within thirty days after becoming aware of the violation.	6111.03(P), 6111.042	federal required	40 CFR 403.12(g)(2)	yes	yes	no
27.15 50 00		5.1011	2				,	,	
			If sampling and analysis performed by Ohio EPA under paragraph (B)(11) of this rule indicates						
			a violation, Ohio EPA shall perform the repeat sampling and analysis unless Ohio EPA notifies						
3745-36-08	B12b	shall	the user of the violation and requires the user to perform the repeat analysis.	6111.03(P), 6111.042	federal required	40 CFR 403.12(g)(2)	VAS	Ves	VAS
3743-30-00	חזקט	Stidil	une user or the violation and requires the user to perform the repeat analysis.	0111.03(F), 0111.042	rederal required	1-0 CI N 403.12(8)(2)	yes	yes	yes

			If an industrial user subject to the reporting requirement in paragraph (A) of this rule monitors						
			any regulated pollutant at the permitted sampling location more frequently than required by						
			Ohio EPA, using the procedures described in paragraph (B)(10) of this rule, the results of this						
3745-36-08	B13	shall	monitoring shall be included in the report.	6111.03(P), 6111.042	federal required	40 CFR 403.12(g)(6)	yes	yes	no
			·	,	·	,,,,,	i	ĺ	
			The reports and certifications required by this rule shall include the following certification						
3745-36-08	С	shall	statement and shall be signed by an authorized representative of the industrial user:	6111.03(P), 6111.042	federal required	40 CFR 403.12(I)	yes	yes	no
37.13.30.00		ona	state ment and shall be signed by an authorized representative or the made and deem	0111100(17) 011110 12		10 0111 100122(1)	700	700	0
			The reports and certifications required by this rule shall include the following certification						
3745-36-08	C	shall	statement and shall be signed by an authorized representative of the industrial user:	6111.03(P), 6111.042	federal required	40 CFR 403.12(I)	yes	yes	no
3743-30-08	C	Silan	statement and shan be signed by an authorized representative of the industrial user.	0111.03(1), 0111.042	lederal required	40 CI II 403.12(I)	yes	yes	110
			If an authorization under paragraph (C)(2)(d) of this rule is no longer accurate because a						
			different individual or position has responsibility for the overall operation of the facility, or						
			overall responsibility for environmental matters for the company, a new authorization						
2745 26 22	60		satisfying the requirements of paragraph (C)(2)(d) of this rule shall be submitted to the control	C111 00(D) C111 010		40.050.400.40(1)(4)			
3745-36-08	C2e	shall	authority prior to or together with any reports to be signed by an authorized representative.	6111.03(P), 6111.042	federal required	40 CFR 403.12(I)(4)	yes	yes	no
			If Ohio EPA decides that a slug control plan is necessary, the industrial user shall develop and			40 CFR 403.10(e), 40			
3745-36-08	D	shall	submit a slug control plan which contains, at a minimum, all of the following elements:	6111.03(P), 6111.042	federal required	CFR 403.8(f)(2)(vi)	yes	yes	no
			All industrial users shall promptly notify Ohio EPA and the POTW in advance of any substantial						
			change in the volume or character of pollutants in the discharge including the listed or						
			characteristic hazardous wastes for which the industrial user has submitted initial notification						
3745-36-08	E	shall	under 40 C.F.R. 403.12(p).	6111.03(P), 6111.042	federal required	40 CFR 403.12(j)	yes	yes	no
			Industrial users shall notify the POTW immediately of any changes at the facilities affecting						
3745-36-08	E	shall	potential for a slug discharge.	6111.03(P), 6111.042	federal required	40 CFR 403.12(f)	yes	yes	no
			All industrial users subject to this rule shall retain records of all information resulting from any						
			monitoring activities, regardless of whether such monitoring activities were required by the						
3745-36-08	F	shall	individual indirect discharge permit, including documentation associated with BMPs.	6111.03(P), 6111.042	federal required / general authority	40 CFR 403.12(o)(1)	yes	yes	no
			Such records shall be retained for a minimum of three years and shall include the following for		,	(-/(-/	,,,,,		
3745-36-08	F	shall	all samples:	6111.03(P), 6111.042	federal required	40 CFR 403.12(o)(2)	yes	yes	no
			Such records shall be retained for a minimum of three years and shall include the following for	, ,,			7	7-5	
3745-36-08	F	shall	all samples:	6111.03(P), 6111.042	federal required	40 CFR 403.12(o)(1)	yes	ves	no
			In addition to the requirements in paragraph (F) of this rule, any industrial user subject to this				1,00	7	
3745-36-08	G	shall	rule shall retain all of the following for a minimum of three years:	6111.03(P), 6111.042	federal required / general authority	40 CFR 403.12(o)(2)	yes	yes	no
37 13 30 00		Silan	Industrial users subject to this rule shall retain all copies of the individual indirect discharge	0111.05(1), 0111.012	reacturite quire u y general authority	10 0111 103.12(0)(2)	763	yes	110
			permits and pollution prevention alternatives (i.e. slug control plan, toxic organic management						
			plan) for as long as these documents are effective and for at least three years after the date on						
3745-36-08	L	shall	which the documents became ineffective.	6111.03(P), 6111.042	general authority		vos	no	no
3743-30-06	П	Silali	Industrial users shall make the records described in paragraphs (F) to (H) of this rule available	0111.05(P), 0111.042	general authority		yes	110	110
3745-36-08		shall		C111 02/D) C111 042	fordered as a visual discount a vita a vita.	40 CFR 403.12(o)(2)			
3743-30-08	<u>'</u>	Stidii	for inspection and copying by the Ohio EPA.	0111.03(P), 0111.042	federal required / general authority	40 CFR 403.12(0)(2)	yes	yes	no
			The period of retention described in paragraphs (F) to (H) of this rule shall be extended during						
2745 26 00	.	-111	the course of any unresolved litigation regarding the discharge of pollutants or the operation	(111 02/5) (111 015	fordered manufactual designs of the state of	40 CED 403 434 1/31			
3745-36-08		shall	of the POTW or when requested by the director.	6111.03(P), 6111.042	federal required / general authority	40 CFR 403.12(o)(2)	yes	yes	no
2745 22 22		,	These reports shall contain all results of sampling required by the individual indirect discharge	6444 00/5\ 51::-5:		40 OFD 100 151 1111 "			
3745-36-08	Α	require	permit.	6111.03(P), 6111.042	federal required / general authority	40 CFR 403.12(e)(1), (h	) yes	yes	no
				l					
3745-36-08	A1a	require	The report is required more frequently.	6111.03(P), 6111.042	federal required	40 CFR 403.12(e)(1), (h	) yes	yes	no
			The report is required during different months by the categorical pretreatment standard or						
3745-36-08	A1b	require	Ohio EPA.	6111.03(P), 6111.042	federal required	40 CFR 403.12(e)(1), (h	) yes	yes	no
			Reduced reporting requirements have been approved in accordance with rule 3745-36-10 of						
3745-36-08	A1c	require	the Administrative Code.	6111.03(P), 6111.042	federal required	40 CFR 403.12(e)(3)	yes	yes	no
			In cases where the pretreatment standard requires compliance with a BMP or a pollution						
			prevention alternative, the report shall include documentation required by Ohio EPA or the						
3745-36-08	A3	require	pretreatment standard necessary to determine the compliance status of the user.	6111.03(P), 6111.042	federal required	40 CFR 403.12(e)(1), (h	) yes	yes	no
			In cases where the pretreatment standard requires compliance with a BMP or a pollution						
			prevention alternative, the report shall include documentation required by Ohio EPA or the						
3745-36-08	А3	require	pretreatment standard necessary to determine the compliance status of the user.	6111.03(P), 6111.042	federal required	40 CFR 403.12(e)(1), (h	) yes	yes	no
-					<u> </u>			1.5	1

				1		1	1		
			For mid-tier categorical industrial users as authorized in accordance with rule 3745-36-09 of						
			the Administrative Code, Ohio EPA may reduce the frequency of the reporting specified in						
			paragraph (A)(2)(a) of this rule to no less than once per year, unless required more frequently						
3745-36-08	A4	require	in the pretreatment standard.		federal required	40 CFR 403.12(e)(3)	yes	yes	no
			Sampling and analysis performed in preparation of any report required by this chapter shall be						
3745-36-08	В	require	conducted in accordance with all of the following:	6111.03(P), 6111.042	federal required	40 CFR 403.12(g)	yes	yes	no
			The individual indirect discharge permit application, initial compliance report, and periodic						
			compliance report required in this chapter, shall be based upon data obtained through						
			appropriate sampling and analysis performed during the period covered by the report, in						
3745-36-08	B1	require	which data is representative of conditions occurring during the reporting period.	6111.03(P), 6111.042	federal required	40 CFR 403.12(g)(3)	yes	yes	no
			The Ohio EPA shall require that frequency of monitoring necessary to assess and assure						
3745-36-08	B2	require	compliance by industrial users with applicable pretreatment standards and requirements.	6111.03(P), 6111.042	federal required	40 CFR 403.12(g)(3)	yes	yes	yes
			For the individual indirect discharge permit application and the initial compliance report						
3745-36-08	В7	require	required in rules 3745-36-03 and 3745-36-09 of the Administrative Code:	6111.03(P), 6111.042	federal required	40 CFR 403.12(g)(4)	yes	yes	no
			For the periodic compliance report required by paragraph (A) of this rule, the Ohio EPA shall						
			require the number of grab samples necessary to assess and assure compliance by industrial						
3745-36-08	В8	require	users with applicable pretreatment standards and requirements.	6111.03(P), 6111.042	federal required	40 CFR 403.12(g)(4)	yes	yes	no
		1.5455				(8)(1)	100	7	110
			For the periodic compliance report required by paragraph (A) of this rule, the Ohio EPA shall						
			require the number of grab samples necessary to assess and assure compliance by industrial			40 CFR 403.12(g)(3) and	ı		
3745-36-08	B8	require	users with applicable pretreatment standards and requirements.	6111.03(P), 6111.042	federal required	(g)(4)	yes	yes	yes
3743-30-08	БО	require	The required number of grab samples shall only apply for pollutants listed in paragraph (B)(3)	0111.05(1), 0111.042	rederarrequired	(8)(4)	yes	yes	yes
			of this rule, or where grab sampling is authorized by the director in accordance with paragraph						
3745-36-08	В8	roguiro	(B)(5) of this rule.		fodoral required / general authority	40 CFR 403.12(g)(3)-(4)		lune.	
3743-30-08	DO	require	(b)(3) of this fule.	6111.03(P), 6111.042	federal required / general authority	40 CFR 403.12(g)(3)-(4)	yes	yes	no
			French in the case of man similificant actoroxical indicatrial many the Ohio FDA area manfarms						
2745 26 00	D11		Except in the case of non-significant categorical industrial users, the Ohio EPA may perform	(111 02/0) (111 042	fordough was projected	40 CED 402 12/~\/1\			
3745-36-08	B11	require	the sampling and analysis required in this chapter in lieu of the industrial user.	6111.03(P), 6111.042	federal required	40 CFR 403.12(g)(1)	yes	yes	no
2745 26 22	544		Where Ohio EPA performs the required sampling and analysis in lieu of the industrial user,	C111 02(D) C111 012		40.050.400.404.1/41			
3745-36-08	B11	require	both of the following apply:	6111.03(P), 6111.042	federal required / general authority	40 CFR 403.12(g)(1)	yes	yes	no
			The industrial user will not be required to submit the compliance certification statement	2444 22/2) 2444 242					
3745-36-08	B11a	require	required in paragraph (C) of this rule.	6111.03(P), 6111.042	federal required	40 CFR 403.12(g)(1)	yes	yes	no
			The industrial user will not be required to submit the compliance certification statement	2444 22/2) 2444 242					
3745-36-08	B11a	require	required in paragraph (C) of this rule.	6111.03(P), 6111.042	federal required	40 CFR 403.12(g)(1)	yes	yes	no
			The industrial user will not be required to submit the report if Ohio EPA collects all the						
3745-36-08	B11b	require	information required for the report.	6111.03(P), 6111.042	federal required	40 CFR 403.12(g)(1)	yes	yes	no
			The industrial user will not be required to submit the report if Ohio EPA collects all the						
3745-36-08	B11b	require	information required for the report.	6111.03(P), 6111.042	federal required	40 CFR 403.12(g)(1)	yes	yes	no
			If sampling and analysis performed by Ohio EPA under paragraph (B)(11) of this rule indicates						
			a violation, Ohio EPA shall perform the repeat sampling and analysis unless Ohio EPA notifies						
3745-36-08	B12b	require	the user of the violation and requires the user to perform the repeat analysis.	6111.03(P), 6111.042	federal required	40 CFR 403.12(g)(2)	yes	yes	no
3745-36-08	B12c	require	Resampling is not required if either of the following apply:	6111.03(P), 6111.042	federal required	40 CFR 403.12(g)(2)	yes	yes	no
			If an industrial user subject to the reporting requirement in paragraph (A) of this rule monitors						
			any regulated pollutant at the permitted sampling location more frequently than required by						
			Ohio EPA, using the procedures described in paragraph (B)(10) of this rule, the results of this						
3745-36-08	B13	require	monitoring shall be included in the report.	6111.03(P), 6111.042	federal required	40 CFR 403.12(g)(6)	yes	yes	no
						,			
			Ohio EPA may require an industrial user to install flow monitoring facilities, instruments, and						
3745-36-08	B14	require	recording devices to enable accurate measurement of flows as determined to be necessary.	6111.03(P), 6111.042	general authority		yes	no	no
		<u> </u>		· · · ·	·				
			The reports and certifications required by this rule shall include the following certification						
3745-36-08	С	require	statement and shall be signed by an authorized representative of the industrial user:	6111.03(P), 6111.042	federal required	40 CFR 403.12(I)	yes	yes	no
3,5,5,5	-		A responsible corporate officer, if the industrial user submitting the reports required by this	- 3(- )/				1	
3745-36-08	C2a	require	rule is a corporation.	6111.03(P), 6111.042	federal required	40 CFR 403.12(I)(1)	yes	yes	no
30 00						40 CFR 403.10(e), 40	,	1.55	
3745-36-08	D	require	Ohio EPA may require the industrial user to develop and submit a slug control plan.	6111.03(P), 6111.042	federal required / general authority	CFR 403.8(f)(2)(vi)	yes	yes	no
2. 13 30 00		require	2 2	3211.03(1 ), 0111.042	Teachar required / general authority	5. 11 103.0(1)(2)(VI)	,	700	
			All industrial users subject to this rule shall retain records of all information resulting from any						
			monitoring activities, regardless of whether such monitoring activities were required by the						
3745-36-08	F	require	individual indirect discharge permit, including documentation associated with BMPs.	6111.03(P), 6111.042	federal required / general authority	40 CFR 403.12(o)(1)	ves	yes	no
3, 13 30 00		require	marriada marreet disentinge permit, metading documentation associated with DIVIFS.	0111.03(1 /, 0111.042	reactar required / general authority	10 01 11 703.12(0)(1)	1,03	1,403	Ino

		1		1			1		Г
			As a permit condition or otherwise, the director may require electronic submittal of the						
2745 26 00			reports and monitoring data required in this chapter using information systems compatible	C444 02/D) C444 042	fordered as a visco of Associated a value of the	40.05D 402.42(-)(4), (b)			
3745-36-08	J	require	with those of Ohio EPA.  As a permit condition or otherwise, the director may require electronic submittal of the	6111.03(P), 6111.042	federal required / general authority	40 CFR 403.12(e)(1), (h)	yes	yes	no
			reports and monitoring data required in this chapter using information systems compatible						
3745-36-08		require	, , , , , , , , , , , , , , , , , , , ,	6111.03(P), 6111.042	federal required / general authority	40 CFR 403.12(e)(1), (h)	VAS	yes	no
3743-30-08	J	require	In addition to the requirements specified in rule 3745-36-08 of the Administrative Code,	0111.03(F), 0111.042	redefairequired / general authority	40 CFR 403.12(e)(1), (11)	yes	yes	110
			categorical industrial users shall comply with the reporting requirements and limits specified						
3745-36-09	Δ	shall	in this rule.	6111.03(P), 6111.042	general authority		yes	no	no
3743-30-03	^	Silali	Within ninety days following the date for final compliance with applicable categorical	0111.05(1 ), 0111.042	general authority		yes	iiio	110
			pretreatment standards or, in the case of a new source, within ninety days following						
			commencement of the introduction of wastewater into the POTW, any industrial user subject						
			to categorical pretreatment standards shall submit to Ohio EPA a report containing all of the						
3745-36-09	В	shall	following information:	6111.03(P), 6111.042	federal required	40 CFR 403.12(d)	yes	yes	no
07.15.55.55		5.14.1		0111.00(1 )) 0111.0 11		40 CFR 403.12(d),	1,00	700	
3745-36-09	B2a	shall	The user shall identify the pretreatment standards applicable to each regulated process.	6111.03(P), 6111.042	federal required	403.12(b)(5)(i)	yes	yes	no
			Sampling and analysis shall be performed in accordance with paragraph (B) of rule 3745-36-08		- Constant of the constant of	40 CFR 403.12(d),	1	7	
3745-36-09	B2b	shall		6111.03(P), 6111.042	federal required	403.12(b)(5)(v)	yes	yes	no
	-		The user shall submit the results of sampling and analysis identifying the nature and			(-/(-/(/			
			concentration (or mass, where required by the standard or control authority) of regulated			40 CFR 403.12(d),			
3745-36-09	B2c	shall	pollutants in the discharge from each regulated process.	6111.03(P), 6111.042	federal required	403.12(b)(5)(ii)	yes	yes	no
			J G T T T T T T T T T T T T T T T T T T	( ),	· ·	40 CFR 403.12(d),			
3745-36-09	B2c	shall	Both daily maximum and average concentration (or mass, where required) shall be reported.	6111.03(P), 6111.042	federal required	403.12(b)(5)(ii)	yes	ves	no
						40 CFR 403.12(d),	,		
3745-36-09	B2c	shall	The sample shall be representative of daily operations.	6111.03(P), 6111.042	federal required	403.12(b)(5)(ii)	yes	yes	no
			If the standard requires compliance with a BMP or a pollution prevention alternative, the		·	, , , , ,			
			industrial user shall submit documentation as required by Ohio EPA or the applicable			40 CFR 403.12(d),			
3745-36-09	B2c	shall	standards to determine compliance with the standard.	6111.03(P), 6111.042	federal required	403.12(b)(5)(ii)	yes	yes	no
			The user shall take a minimum of one representative sample from each sampling location, as			40 CFR 403.12(d),			
3745-36-09	B2d	shall	approved by Ohio EPA, to comply with the requirements of this paragraph.	6111.03(P), 6111.042	federal required	403.12(b)(5)(iii)	yes	yes	no
						40 CFR 403.12(d),			
3745-36-09	B2f	shall	The report shall indicate the time, date and place, of sampling, and methods of analysis.	6111.03(P), 6111.042	federal required	403.12(b)(5)(vii)	yes	yes	no
			For industrial users subject to equivalent mass or concentration limits established by Ohio EPA						
			in accordance with the procedures in rule 3745-36-10 of the Administrative Code, this report						
3745-36-09	B3	shall	shall contain a reasonable measure of the user's long-term production rate.	6111.03(P), 6111.042	federal required	40 CFR 403.12(d)	yes	yes	no
			The industrial user shall derive these production rates to the best of the user's knowledge, and						
3745-36-09	B3 comment	shall	considering any available information representative of the facility.	6111.03(P), 6111.042	general authority		yes	no	no
			For all industrial users subject to categorical pretreatment standards expressed in terms of						
			allowable pollutant discharge per unit of production (or other measure of operation), this						
3745-36-09	B4	shall	report shall include the user's actual production during the appropriate sampling period.	6111.03(P), 6111.042	federal required	40 CFR 403.12(d)	yes	yes	no
1									
1						40 CFR 403.3(I), 40 CFR			
1			Categorical industrial users shall comply with the limits under rule 3745-36-04 of the			403.6, 40 CFR			
			Administrative Code, and with any more stringent pretreatment standards, including local			403.8(f)(1)(ii), 40 CFR			
3745-36-09	C	shall		6111.03(P), 6111.042	federal required	403.10 (f)(1)(i) and (ii)	yes	yes	no
1			Existing sources that become industrial users subsequent to promulgation of an applicable						
1			categorical pretreatment standard shall be considered existing industrial users except where such sources meet the definition of a new source as defined in rule 3745-36-02 of the						
2745 26 00		-111		C444 02(B) C444 042	fordered as auties d	40.05D 403.0(k)			
3745-36-09	U	shall	Administrative Code.	6111.03(P), 6111.042	federal required	40 CFR 403.6(b)	yes	yes	no
1	1		Now courses shall comply with the protection at standard for your (DCNC) II						
			New sources shall comply with the pretreatment standard for new sources (PSNS) that is specified in the applicable subcategory of the categorical pretreatment standard.	6111 02/D) 6111 042	fodoral required / general surbanity	40 CEP 402 6	wos.	lvos	200
2745 26 00	E	Ichall		6111.03(P), 6111.042	federal required / general authority	40 CFR 403.6	yes	yes	no
3745-36-09	E	shall	specified in the applicable subcategory of the categorical prefiteatment standard.						
3745-36-09	E	shall							
3745-36-09	E	shall	Except where expressly authorized to do so by an applicable categorical pretreatment						
3745-36-09	E	shall	Except where expressly authorized to do so by an applicable categorical pretreatment standard or requirement, no industrial user shall ever increase the use of process water or, in						
	E		Except where expressly authorized to do so by an applicable categorical pretreatment standard or requirement, no industrial user shall ever increase the use of process water or, in any other way, attempt to dilute a discharge as a partial or complete substitute for adequate	6111 02/D) 6111 042	fodoral required	40 CED 403 E/4/	Vac	voc.	no
3745-36-09 3745-36-09	E	shall	Except where expressly authorized to do so by an applicable categorical pretreatment standard or requirement, no industrial user shall ever increase the use of process water or, in	6111.03(P), 6111.042	federal required	40 CFR 403.6(d)	yes	yes	no

				Т			1	T	
			Unless otherwise provided in an applicable categorical pretreatment standard, compliance			40.050.400.6( )/0).40			
			with such standards shall be measured in accordance with the methods of analyses and			40 CFR 403.6(e)(3), 40			
3745-36-09	Н	shall	sampling procedures specified under rule 3745-36-08 of the Administrative Code.	6111.03(P), 6111.042	federal required / general authority	CFR 403.12(g)	yes	yes	no
			In all cases in which a determination is sought by an industrial user concerning the						
			applicability of a particular subcategory under the categorical pretreatment standards, the						
			final determination issued under 40 C.F.R. 403.6 shall control the application of the						
3745-36-09	l l	shall	appropriate subcategory.	6111.03(P), 6111.042	federal required / general authority	40 CFR 403.6(a)	yes	yes	no
			There shall be no right or procedure implied under this chapter for industrial users to seek						
			such categorical determinations from the director other than through the procedures and						
3745-36-09	I	shall	within the requirements of 40 C.F.R. 403.6.	6111.03(P), 6111.042	general authority		yes	no	no
			The user shall submit the results of sampling and analysis identifying the nature and						
			concentration (or mass, where required by the standard or control authority) of regulated			40 CFR 403.12(d),			
3745-36-09	B2c	require	pollutants in the discharge from each regulated process.	6111.03(P), 6111.042	federal required	403.12(b)(5)(ii)	yes	yes	no
						40 CFR 403.12(d),			
3745-36-09	B2c	require		6111.03(P), 6111.042	federal required	403.12(b)(5)(ii)	yes	yes	no
			If the standard requires compliance with a BMP or a pollution prevention alternative, the						
			industrial user shall submit documentation as required by Ohio EPA or the applicable			40 CFR 403.12(d),			
3745-36-09	B2c	require	standards to determine compliance with the standard.	6111.03(P), 6111.042	federal required	403.12(b)(5)(ii)	yes	yes	no
			If the standard requires compliance with a BMP or a pollution prevention alternative, the						
			industrial user shall submit documentation as required by Ohio EPA or the applicable			40 CFR 403.12(d),			
3745-36-09	B2c	require	standards to determine compliance with the standard.	6111.03(P), 6111.042	federal required	403.12(b)(5)(ii)	yes	yes	no
			A statement, reviewed, signed, and certified by an authorized representative of the industrial						
			user, as defined in paragraph (C) of rule 3745-36-08 of the Administrative Code, indicating						
			whether pretreatment standards are being met on a consistent basis, and, if not, whether						
			additional operation and maintenance (O and M) or additional pretreatment is required for			40 CFR 403.12(d),			
3745-36-09	B5	require	the industrial user to meet the pretreatment standards and requirements.	6111.03(P), 6111.042	federal required	403.12(b)(6)	yes	yes	no
			Categorical industrial users shall comply with the requirements in rules 3745-36-08 and 3745-						
			36-09 of the Administrative Code, and any alternative condition described in this rule that has						
			been approved by Ohio EPA and incorporated into the categorical industrial user's indirect						
3745-36-10	A	shall	discharge permit or the director's written approval.	6111.03(P), 6111.042	general authority		yes	no	no
			The categorical industrial user shall first submit the initial compliance report as described in						
			paragraph (A) of rule 3745-36-09 of the Administrative Code, or a periodic compliance report						
3745-36-10	B1	shall	as described in paragraph (B) of rule 3745-36-08 of the Administrative Code.	6111.03(P), 6111.042	general authority		yes	no	no
			The categorical industrial user shall submit a formal request to Ohio EPA for the approval of an						
3745-36-10	B2	shall	alternative condition initially and prior to each subsequent renewal of such condition.	6111.03(P), 6111.042	federal required / general authority	40 CFR 403.12(e)(2)(ii)	yes	yes	no
			The request shall include the information described in paragraphs (D) to (H) of this rule, as						
			applicable, and the certification statement in paragraph (C)(1) of rule 3745-36-08 of the						
			Administrative Code, and shall be signed by an authorized representative, as defined in						
3745-36-10	B2	shall	paragraph (C)(2) of rule 3745-36-08 of the Administrative Code.	6111.03(P), 6111.042	general authority and federal required	40 CFR 403.12(e)(2)(iii)	yes	yes	no
			The request shall include the information described in paragraphs (D) to (H) of this rule, as						
			applicable, and the certification statement in paragraph (C)(1) of rule 3745-36-08 of the						
			Administrative Code, and shall be signed by an authorized representative, as defined in			40 CFR 403.12(I), 40 CFI			
3745-36-10	B2	shall	paragraph (C)(2) of rule 3745-36-08 of the Administrative Code.	6111.03(P), 6111.042	federal required / general authority	403.12(e)(2)(iii)	yes	yes	no
			Industrial users implementing any of the alternative conditions described in paragraphs (D) to						
2745 26 42	D.F.	-l 11	(H) of this rule shall maintain compliance with the records retention requirements described in		and the second s				
3745-36-10	B5	shall	paragraphs (F) to (I) of rule 3745-36-08 of the Administrative Code.	6111.03(P), 6111.042	general authority		yes	no	no
2745 26 42	D.F.	-l 11	In addition, the industrial user shall maintain both of the following for a minimum of three	C444 02(D) C444 0:5	and the second s				
3745-36-10	B5	shall	years after the date on which they become ineffective:	6111.03(P), 6111.042	general authority		yes	no	no
			Industrial users implementing any of the alternative conditions described in paragraphs (D) to						
2745 26 46	D.C.	el 11	(H) of this rule shall maintain compliance with the notification requirements described in rule	(111 02/0) (111 012	fordered nonviewed Assess 1 1 11 11	40 CED 403 43/0			
3745-36-10	B6	shall	3745-36-05 of the Administrative Code.	6111.03(P), 6111.042	federal required / general authority	40 CFR 403.12(f)	yes	yes	no
			In marking a demandar that a mall stage to a stage of the test sta						
			In making a demonstration that a pollutant is not present, the industrial user shall provide						
2745 26 40	D2	chell	data from at least one sampling of the facility's process wastewater prior to any treatment	6111 03/D) 6111 043	fodoral required	40 CED 402 42/-1/21/:::1			
3745-36-10	D2	shall	present at the facility that is representative of all wastewater from all processes.	6111.03(P), 6111.042	rederarrequired	40 CFR 403.12(e)(2)(iii)	yes	yes	no

			Upon Ohio EPA's approval of the monitoring waiver and implementation of the industrial						
			user's individual indirect discharge permit, the industrial user shall certify on each periodic						
			compliance monitoring report required by paragraph (A) of rule 3745-36-08 of the						
3745-36-10	D3	shall	Administrative Code with the following statement:	6111.03(P), 6111.042	federal required	40 CFR 403.12(e)(2)(v)	yes	yes	no
			In the event that a waived pollutant is found to be present or is expected to be present based						
			on changes that occur in the industrial user's operations, the user shall immediately meet both						
3745-36-10	D4	shall	of the following:	6111.03(P), 6111.042	federal required	40 CFR 403.12(e)(2)(vi)	yes	yes	no
			The industrial user shall submit a request to Ohio EPA for a determination of the user's status						
			as a mid-tier categorical industrial user which shall include documentation that the industrial						
3745-36-10	E1	shall	user meets all of the criteria of a mid-tier categorical industrial user.	6111.03(P), 6111.042	general authority		yes	no	no
					,				
			The industrial user shall submit a request to Ohio EPA for a determination of the user's status						
			as a mid-tier categorical industrial user which shall include documentation that the industrial						
3745-36-10	E1	shall	user meets all of the criteria of a mid-tier categorical industrial user.	6111.03(P), 6111.042	general authority		yes	no	no
			This request shall be signed in accordance with paragraph (C) of rule 3745-36-08 of the		generation		,,,,,		
			Administrative Code, and include the certification statement in paragraph (C)(1) of rule 3745-						
3745-36-10	E1	shall	36-08 of the Administrative Code.	6111.03(P), 6111.042	federal required / general authority	40 CFR 403.12(I)	yes	yes	no
07.10.00.10		5.10.1	The industrial user shall notify Ohio EPA immediately of any changes at the facility causing the	0111100(17) 01111011	reactar required / Bernerar authority	10 0111 100112(1)	700	765	
			user to no longer meet the definition of a mid-tier categorical industrial user in rule 3745-36-						
3745-36-10	E2	shall	02 of the Administrative Code.	6111.03(P), 6111.042	federal required	40 CFR 403.12(e)(3)(iv)	VAS	yes	no
3743-30-10	LZ	Silali	Upon notification, the industrial user shall immediately begin complying with the minimum	0111.03(1), 0111.042	rederarrequired	40 CI N 403.12(E)(3)(IV)	yes	yes	110
			reporting requirement specified in paragraph (A) of rule 3745-36-08 of the Administrative						
3745-36-10	E2	shall	Code.	6111.03(P), 6111.042	federal required	40 CFR 403.12(e)(3)(iv)	voc	yes	no
3743-30-10	LZ	Silali	coue.	0111.03(F), 0111.042	rederarrequired	40 CI N 403.12(e)(3)(IV)	yes	yes	110
			In accordance with paragraphs (F) to (I) of rule 3745-36-08 of the Administrative Code, the						
			industrial user shall retain documentation to support its compliance with the definition of a						
3745-36-10	E3	shall	···	6111 02/D) 6111 042	fodoral required / general authority	40 CFR 403.12(e)(3)(v)		luos.	
3745-36-10	E3	Shaii	mid-tier categorical industrial user in rule 3745-36-02 of the Administrative Code.	6111.03(P), 6111.042	federal required / general authority	40 CFR 403.12(e)(3)(V)	yes	yes	no
2745 26 40	F2	-111	The industrial user shall maintain these records for a period of three years after the expiration	C444 02/D) C444 042	fordered as a size of Assessment and bookle arity.	40 CER 403 43/-\/3\/.\			
3745-36-10	E3	shall	of the individual indirect discharge permit.	6111.03(P), 6111.042	federal required / general authority	40 CFR 403.12(e)(3)(v)	yes	yes	no
			The industrial user shall submit a request to Ohio EPA for a determination of the user's status						
			as a non-significant categorical industrial user which shall include documentation that the						
2745 26 40	F4	-111	industrial user meets all of the criteria of a non-significant categorical industrial user, as	C444 02/D) C444 042	and and analysis				
3745-36-10	F1	shall	defined in rule 3745-36-02 of the Administrative Code.	6111.03(P), 6111.042	general authority		yes	no	no
			The industrial user shall submit a request to Ohio EPA for a determination of the user's status						
			as a non-significant categorical industrial user which shall include documentation that the						
2745 26 40	F4	l	industrial user meets all of the criteria of a non-significant categorical industrial user, as	C444 00/D) C444 040	1 11 11				
3745-36-10	F1	shall	defined in rule 3745-36-02 of the Administrative Code.	6111.03(P), 6111.042	general authority		yes	no	no
			This request shall be signed in accordance with paragraph (C) of rule 3745-36-08 of the						
2745 26 40		l	Administrative Code, and include the certification statement in paragraph (C)(1) of rule 3745-	C444 00/D) C444 040		40.050.400.404.1/01/:::\			
3745-36-10	F1	shall	36-08 of the Administrative Code.	6111.03(P), 6111.042	federal required / general authority	40 CFR 403.12(e)(2)(III)	yes	yes	no
			The industrial user shall notify Ohio EPA immediately in writing of any changes at the facility						
		l	causing the user to no longer meet the definition of a non-significant categorical industrial						
3745-36-10	F2	shall	user in rule 3745-36-02 of the Administrative Code.	6111.03(P), 6111.042	general authority		yes	no	no
			Facilities determined by Ohio EPA to be a non-significant categorical industrial user shall						
			annually submit the following certification statement, signed by an authorized representative,						
3745-36-10	F3	shall	as defined in paragraph (C) of rule 3745-36-08 of the Administrative Code.	6111.03(P), 6111.042	federal required	40 CFR 403.12(q)	yes	yes	no
			Except for the periodic compliance report described in paragraph (A) of rule 3745-36-08 of the						
			Administrative Code, this certification shall be accompanied by any additional reports required						
3745-36-10	F3	shall	by Ohio EPA, if any:	6111.03(P), 6111.042	federal required	40 CFR 403.12(q)	yes	yes	no
			To implement this option, a TOMP shall be submitted to Ohio EPA for review and approval and			40 CFR 413.03, 433.12,			
3745-36-10	G1	shall	shall include all of the following information.	6111.03(P), 6111.042	federal required	469.13	yes	yes	no
			To implement this option, a TOMP shall be submitted to Ohio EPA for review and approval and			40 CFR 413.03, 433.12,			
3745-36-10	G1	shall	shall include all of the following information.	6111.03(P), 6111.042	federal required / general authority	469.13	yes	yes	no
3745-36-10	G1	shall	If the requested information is not applicable, an explanation shall be included in the plan.	6111.03(P), 6111.042	general authority		yes	no	no
3745-36-10	G1a	shall	Organic constituents of trade name products shall be obtained from the supplier.	6111.03(P), 6111.042	general authority		yes	no	no
			Once pollution prevention options are identified, a technical and economic evaluation of						
			viable options shall be conducted to select options, or projects that are technically and						
3745-36-10	G1cii	shall	economically viable.	6111.03(P), 6111.042	general authority	<u> </u>	yes	no	no
-	_		•	•		•		· · · · · · · · · · · · · · · · · · ·	· · ·

			A schedule of implementation shall be developed and a measurement system to track the						
			implementation progress of the pollution prevention options shall be developed and revised						
3745-36-10	G1cii	shall	as necessary.	6111.03(P), 6111.042	general authority		yes	no	no
			A schedule of implementation shall be developed and a measurement system to track the						
			implementation progress of the pollution prevention options shall be developed and revised						
3745-36-10	G1cii	shall	as necessary.	6111.03(P), 6111.042	general authority		yes	no	no
			A detailed description for each waste shall be included with information on how the waste is	. ,,	,		,		
3745-36-10	G1d	shall	stored prior to disposal.	6111.03(P), 6111.042	general authority		yes	no	no
3745-36-10	G1e	shall	These procedures shall include, but are not limited to, the following:	6111.03(P), 6111.042	general authority		yes	no	no
3745-36-10	G1ei	shall	These practices shall include, but are not limited to, the following:	6111.03(P), 6111.042	general authority		yes	no	no
3745-36-10	G1eif	shall	The containment system shall be designed and maintained to not allow leakage.	6111.03(P), 6111.042	general authority		yes	no	no
3745-36-10	G1eii	shall	Visual inspections shall be conducted at least once per week.	6111.03(P), 6111.042	general authority		yes	no	no
	020				Benefit authority		7		
3745-36-10	G1eiv	shall	This plan shall include all floor drains, dikes, and containment areas in the storage facility.	6111.03(P), 6111.042	general authority		yes	no	no
07.10.00.10	GIEN	511411	If a spill or leak containing a TTO enters the process wastewaters and discharges to a POTW or	0111100(17) 011110 11	Benefit dutiloney		700		
			surface waters, the POTW and Ohio EPA shall be promptly notified by the industrial user						
3745-36-10	G1f	shall	within twenty-four hours of discovery.	6111.03(P), 6111.042	federal required / general authority	40 CFR 403.17(c)(2)	yes	ves	no
37 13 30 10	011	Silan	Information regarding the facility, chemicals spilled and remedial actions shall be provided in	0111.05(1), 0111.012	reactarrequired / general authority	10 6111 103.17 (6)(2)	703	763	
3745-36-10	G1f	shall	the notification.	6111.03(P), 6111.042	federal required / general authority	40 CFR 403.17(c)(2)	yes	yes	no
3745-36-10	G1f	shall	The spill or leak notification plan shall also include, at a minimum:	6111.03(P), 6111.042	general authority	10 6111 103.17 (6)(2)	yes	no	no
	011	311011	A list of agencies to be contacted during an emergency and their telephone numbers shall also		Benefit ductionty		,		1.10
3745-36-10	G1fiii	shall	be posted where organics are used and stored.	6111.03(P), 6111.042	general authority		yes	no	no
37 13 30 10	011111	Silan	The facility's effluent shall be sampled and analyzed for all toxic organic compounds, as	0111.05(1), 0111.012	general authority		703		110
3745-36-10	G2	shall	indicated on the list included in the appropriate categorical standard.	6111.03(P), 6111.042	general authority		yes	no	no
3743 30 10	- G2	Silaii	Samples shall be collected and analyzed in accordance with 40 C.F.R. 136, with appropriate	0111.05(1), 0111.042	general authority		yes		110
3745-36-10	G2a	shall	detection levels.	6111.03(P), 6111.042	general authority		yes	no	no
3743 30 10	GZü	Silaii	detection revels.	0111.05(1), 0111.042	general authority		yes	110	110
3745-36-10	G2b	shall	The reporting form from the laboratory analyzing the samples shall be included in the TOMP.	6111.03(P), 6111.042	general authority		yes	no	no
3743 30 10	G25	Silaii	The reporting form from the laboratory amaryzing the samples shall be included in the rown.	0111.05(1), 0111.042	general authority		yes	110	110
3745-36-10	G2c	shall	The steps in the regulated process in which toxic organics are used shall be described.	6111.03(P), 6111.042	general authority		yes	no	no
3743-30-10	020	Silali	The source where toxic organics could be introduced into the wastestream besides those	0111.03(1), 0111.042	general authority		yes	110	110
3745-36-10	G2d	shall	referenced in paragraph (G)(2)(c) of this rule shall be described.	6111.03(P), 6111.042	general authority		yes	no	no
3743-30-10	GZU	Silali	A flow schematic showing all of the sources and pathways where toxic organics could enter	0111.03(1), 0111.042	general authority		yes	110	110
3745-36-10	G2e	shall	the wastestream shall be provided.	6111.03(P), 6111.042	general authority		yes	no	no
3743-30-10	UZE	Silali	The approximate quantities of each toxic organic chemical used at each step in the regulated	0111.03(1), 0111.042	general authority		yes	110	110
3745-36-10	G2f	shall	process shall be listed.	6111.03(P), 6111.042	general authority		yes	no	no
3743-30-10	021	Silali	The evaluation shall state if the TTOs are formed as reaction products or by-products or from	0111.03(1), 0111.042	general authority		yes	110	110
3745-36-10	G2g	shall	raw materials, impurities, equipment corrosion or other sources.	6111.03(P), 6111.042	general authority		yes	no	no
3743-30-10	UZS	Silali	In order to qualify for the alternative in paragraph (G) of this rule, the following criteria shall	0111.03(1), 0111.042	general authority		yes	110	110
3745-36-10	G3	shall	be met:	6111.03(P), 6111.042	general authority		yes	no	no
3745-36-10	G3a	shall	The baseline analysis shall show compliance with the appropriate TTO standards.	6111.03(P), 6111.042	general authority		yes	no	no
3743-30-10	USa	Silaii	The baseline analysis shall show compliance with the appropriate 110 standards.	0111.05(1), 0111.042	general authority	40 CFR 413.03, 433.12,	yes	110	110
3745-36-10	G3b	shall	An acceptable TOMP shall be submitted to Ohio EPA.	6111.03(P), 6111.042	federal required	469.13	VOC	was	no
3743-30-10	GSD	Silali	All acceptable Folvir shall be submitted to Onio Era.	0111.03(F), 0111.042	rederarrequired	403.13	yes	yes	110
			The following certification statement shall be signed by an authorized representative of the						
			industrial user, as defined in paragraph (C)(2) of rule 3745-36-08 of the Administrative Code			40 CFR 413.03, 433.12,			
3745-36-10	G3d	shall	, , , , , , , , , , , , , , , , , , , ,	6111 02/D\ 6111 042	federal required	469.13		luge.	200
3745-30-10	GSU	Stidii	and submitted with the TOMP and each subsequent periodic compliance report:  Ohio EPA and the POTW shall be notified if any production process is modified or if conditions	6111.03(P), 6111.042	rederarrequired	409.13	yes	yes	no
2745 26 10	C4	chall		6111 02/D\ 6111 042	fodoral required	40 CED 403 13(;)		luge.	200
3745-36-10	G4	shall	change that affect the use or storage of toxic organics.	6111.03(P), 6111.042	federal required	40 CFR 403.12(j)	yes	yes	no
			To continue implementation of the alternate TTO monitoring, the industrial user shall update						
2745 26 40	CE	chell		6111 03(D) 6111 043	gonoral authority		luos.		200
3745-36-10	G5	shall	the TOMP at least every permit cycle and at intervals no longer than five years	6111.03(P), 6111.042	general authority		yes	no	no
			In addition within twolve months of you getter as a relication, the industrial very list.						
2745 26 10	GE	shall	In addition, within twelve months of requesting re-evaluation, the industrial user shall conduct	6111 02/0\ 6111 042	gonoral authority		vos		no
3745-36-10	G5	Stidil	the initial sampling requirements described in paragraph (G)(2) of this rule.	6111.03(P), 6111.042	general authority		yes	no	no
2745 26 40	CF	المعام	The industrial user shall submit the sampling results and updated TOMP to Ohio EPA for	C111 03/D) C444 043	gonoral authority		luos.	20	
3745-36-10	G5	shall	review and approval.	6111.03(P), 6111.042	general authority		yes	no	no
3745-36-10	G5	shall	A copy of this submittal shall also be sent to the POTW.	6111.03(P), 6111.042	general authority		yes	no	no
3745-36-10	G7	shall	TTO monitoring shall resume upon the end or revocation of certification.	6111.03(P), 6111.042	general authority		yes	no	no
			Categorical pretreatment standards shall apply to an industrial user unless an enforceable			40 CED 403 C 403 7			
2745 26 40	114	المعام	alternative limit to the standard is applicable to the industrial user under any of the following	C111 03/D) C444 043	gonoral outherity / feet and an artist	40 CFR 403.6, 403.7,	luos.	lua a	
3745-36-10	H1	shall	regulations:	6111.03(P), 6111.042	general authority/ federal required	403.13, 403.15	yes	yes	no

	1		h 1 6 at 16 at 18	1		<u> </u>			
			In order for the alternative limit referenced in paragraph (H)(1) of this rule to be considered						
			enforceable, compliance with the alternative limit shall be required by the individual indirect						
			discharge permit issued to the industrial user by the director under section 6111.03 of the						
3745-36-10	H2	shall	Revised Code.	6111.03(P), 6111.042	general authority		yes	no	no
			There shall be no right or procedure implied under this chapter for an industrial user, or any						
			other person to seek an alternative limit to a categorical pretreatment standard other than						
			through the procedures and within the requirements set forth in paragraphs (H)(1) and (H)(2)						
3745-36-10	H3	shall	of this rule.	6111.03(P), 6111.042	general authority		yes	no	no
			Categorical industrial users shall comply with the limits under rule 3745-36-04 of the						
			Administrative Code, and with any more stringent pretreatment standards, including local						
3745-36-10	H4	shall	limits.	6111.03(P), 6111.042	federal required	40 CFR 403.3(I), 403.6	yes	yes	no
			Upon Ohio EPA's approval of the monitoring waiver and implementation of the industrial						
			user's individual indirect discharge permit, the industrial user shall certify on each periodic						
			compliance monitoring report required by paragraph (A) of rule 3745-36-08 of the						
3745-36-10	D3	require	Administrative Code with the following statement:	6111.03(P), 6111.042	federal required / general authority	40 CFR 403.12(e)(2)(v)	yes	yes	no
			For a mid-tier categorical industrial user as defined in rule 3745-36-02 of the Administrative						
			Code, Ohio EPA may reduce the frequency for the periodic compliance reports described in						
			paragraph (A) of rule 3745-36-08 of the Administrative Code to no less than once per year,						
3745-36-10	E	require	unless required more frequently in the pretreatment standard or by the director.	6111.03(P), 6111.042	federal required	40 CFR 403.12(e)(3)	yes	yes	no
			Except for the periodic compliance report described in paragraph (A) of rule 3745-36-08 of the						
			Administrative Code, this certification shall be accompanied by any additional reports required						
3745-36-10	F3	require	by Ohio EPA, if any:	6111.03(P), 6111.042	federal required	40 CFR 403.12(q)	yes	yes	no
			An evaluation of any regulated TTO found in the effluent other than those in the TTO						
3745-36-10	G2g	require	inventory list required in paragraph (G)(1)(a) of this rule.	6111.03(P), 6111.042	general authority		yes	no	no
3745-36-10	G4	require	Ohio EPA may require that additional sampling be performed.	6111.03(P), 6111.042	general authority		yes	no	no
			In order for the alternative limit referenced in paragraph (H)(1) of this rule to be considered						
			enforceable, compliance with the alternative limit shall be required by the individual indirect						
			discharge permit issued to the industrial user by the director under section 6111.03 of the						
3745-36-10	H2	require	Revised Code.	6111.03(P), 6111.042	general authority		yes	no	no

OAC Dula #	Danasank	Donatal and			Required by State or Fed Law or general		Federally delegated	Removal would require state or	Requirement on the
OAC Rule #	Paragraph	Restriction	Description/Quotation	Statutory Authority	authority?	If Fed, crosswalk?	program?	federal law change?	agency or director?
			Except as otherwise provided in this rule, the definitions in sections 6111.01 and 6111.13 of th	e					
3745-38-01	А	shall	Revised Code shall have the same meaning in this rule as in that section.	6111.03(G), 6111.035	state general authority		yes	no	no
			"Ohio EPA" means the Ohio environmental protection agency or its director as the context or						
3745-38-01	0	require	other laws or regulations may require.	6111.03(G), 6111.035	state general authority		yes	no	no
			As a minimum, this chapter shall be administered consistent with the act and regulations						
3745-38-02	A1	shall	adopted by the administrator, including 40 CFR 122, 123.44 and 124.	6111.03(G), 6111.035	state general authority		yes	no	no
			Each point source shall be regulated by an individual or general NPDES permit, as determined						
3745-38-02	A2	shall	by the director.	6111.03(G), 6111.035	state general authority		yes	no	no
			The general NPDES permit shall be written to cover a category of discharges by persons						
			conducting similar activities within a geographic area, except those covered by an individual						
3745-38-02	B1	shall	NPDES permit.	6111.03(G), 6111.035	state general authority		yes	no	no
3745-38-02	B1	shall	The area shall correspond to existing geographic or political boundaries.	6111.03(G), 6111.035	state general authority		yes	no	no
			If any control is a control is a control is a control in the control in the control in the control in the control is a control in the control	10					
2745 20 02	D2	-111	If one source within a category or subcategory is subject to a water quality based limit, then all		ababa asa saal saabbaadba				
3745-38-02	B3	shall	the sources within that category or subcategory shall be subject to the same limit.  For general permits issued under this chapter for small MS4s, the director shall establish the	6111.03(G), 6111.035	state general authority		yes	no	no
			terms and conditions necessary to meet the requirements of paragraph (C) of rule 3745-39-03						
			of the Administrative Code by using one of the following permitting approaches as indicated in						
3745-38-02	B4	shall	the permit or fact sheet:	6111.03(G), 6111.035	state general authority		yes	no	no
3743-38-02	D4	Silali	The general permit shall require that any small MS4 operator seeking authorization to	0111.03(0), 0111.033	state general authority		yes	IIIO	110
			discharge under the general permit submit a notice of intent (NOI) consistent with paragraph						
3745-38-02	B4bi	shall	(B)(2)(a) of rule 3745-39-03 of the Administrative Code.	6111.03(G), 6111.035	state general authority		yes	no	no
37 13 30 02	5 101	Silan	The director shall review the NOI submitted by the small MS4 operator to determine whether	0111.03(0), 0111.033	State general authority		763		110
			the information in the NOI is complete and to establish the additional terms and conditions						
			necessary to meet the requirements in paragraph (C) of rule 3745-39-03 of the Administrative						
3745-38-02	B4bii	shall	Code.	6111.03(G), 6111.035	state general authority		yes	no	yes
				, ,			,		
			. If the director makes a draft decision to authorize the small MS4 to discharge under the						
			general permit, the director shall give public notice of, and opportunity to comment and						
			request a public hearing on the small MS4's draft authorization and the NOI, the draft						
3745-38-02	B4bii	shall	additional terms and conditions, and the basis for these additional requirements.	6111.03(G), 6111.035	state general authority		yes	no	yes
			The public notice, the process for submitting public comments and hearing requests, and the						
			hearing process if a request for a hearing is granted, shall follow the procedures applicable to						
3745-38-02	B4bii	shall	draft permits set forth in Chapters 3745-47 and 3745-49 of the Administrative Code.	6111.03(G), 6111.035	state general authority		yes	no	no
			. The director shall respond to significant comments received during the comment period as						
3745-38-02	B4bii	shall	provided in rule 3745-49-05 of the Administrative Code.	6111.03(G), 6111.035	state general authority		yes	no	yes
			The director shall notify the permittee and inform the public of the decision to authorize the						
2745 20 02	D 41 ···		MS4 to discharge under the general permit and of the final additional terms and conditions	6444 02/6) 6444 025	1				
3745-38-02 3745-38-02	B4biii	shall shall	specific to the MS4.	6111.03(G), 6111.035 6111.03(G), 6111.035	state general authority		yes	no no	yes
3745-38-02	D1	Stiali	The person shall submit an application with reasons supporting the request.	6111.03(G), 6111.035	state general authority		yes	no	no
			Each person seeking initial coverage under a general NPDES permit shall submit a notice of intent in accordance with the deadline specified in the applicable general NPDES permit, as						
3745-38-02	E1	shall	follows:	6111.03(G), 6111.035	state general authority		vos	no	no
3743-38-02	LI	Silali	For storm water discharges associated with construction activity, that deadline shall not excee		state general authority		yes	IIO	110
3745-38-02	E1a	shall not	ninety days prior to the commencement of ground disturbing activities.	6111.03(G), 6111.035	state general authority		yes	no	no
3743 38 02	LIG	311411 1100	For all other discharges, that deadline shall not exceed one hundred eighty days prior to the	0111.03(0), 0111.033	state general authority		yes	IIIO .	110
3745-38-02	E1b	shall not	commencement of a discharge.	6111.03(G), 6111.035	state general authority		yes	no	no
3,43 30 02	L10	Jiiuii IIOt	commencement of a discharge.	0111.03(0), 0111.033	State general authority		yes	ino ino	
			Notices of intent shall be made only on forms approved by Ohio EPA and shall be considered,						
3745-38-02	E3	shall	for the purpose of fee collection, as applications for general NPDES permits.	6111.03(G), 6111.035	state general authority		yes	no	no
20 00 02			1.5 p				100		
			Notices of intent shall be made only on forms approved by Ohio EPA and shall be considered,						
3745-38-02	E3	shall	for the purpose of fee collection, as applications for general NPDES permits.	6111.03(G), 6111.035	state general authority		yes	no	no
3745-38-02	E3	shall	Such notice of intent shall contain the following:	6111.03(G), 6111.035	state general authority		yes	no	no
	II.	1	<u> </u>	, ,,	, ,	1	1.	1	

		1				1	1		
3745-38-02	E3d	shall	The facility project contact person and project name shall also be included on the map.	6111.03(G), 6111.035	state general authority		yes	no	no
3745-38-02	E3e	shall	The map shall depict the affected area and location of treatment ponds with outfalls labeled.	6111.03(G), 6111.035	state general authority		Vec	no	no
3745-38-02	E3e	shall	The map shall indicate whether the treatment ponds are existing or proposed.	6111.03(G), 6111.035	state general authority		yes	no	no
3/43-30-02	ESE	Silali			State general authority		yes	110	110
2745 20 02	5.4	-111	Notices of intent submitted to the director pursuant to this chapter shall be signed as specified		atata anno and antibonita				
3745-38-02	E4	shall	in paragraph (F) of rule 3745-33-03 of the Administrative Code.	6111.03(G), 6111.035	state general authority		yes	no	no
			The director shall notify each person submitting a notice of intent in writing as to whether their						
3745-38-02	E5	shall	discharge is authorized pursuant to the general NPDES permit.	6111.03(G), 6111.035	state general authority		yes	no	yes
			The director shall maintain a list of each person authorized to discharge under each general						
3745-38-02	E5	shall	NPDES permit and make the list available on Ohio EPA's website.	6111.03(G), 6111.035	state general authority		yes	no	yes
			The director shall provide in the public notice of the general permit the reasons for not						
3745-38-02	F floating	shall	requiring a notice of intent.	6111.03(G), 6111.035	state general authority		yes	no	yes
			Upon revocation of the individual NPDES permit, the general NPDES permit shall apply to the						
3745-38-02	Н	shall	source.	6111.03(G), 6111.035	state general authority		yes	no	no
			The director shall not issue a general NPDES permit or renewal if the regional administrator						
			objects in writing to the issuance or renewal of the general NPDES permit in accordance with						
3745-38-02	12	shall not	section 402 of the act.	6111.03(G), 6111.035	state general authority		yes	no	yes
3745-38-02	I3	shall	A general NPDES permit shall be effective for a fixed term not to exceed five years.	6111.03(G), 6111.035	state general authority		yes	no	no
<del>3743 30 02</del>	13	Silaii	The director shall prepare for each general NPDES permit a fact sheet that sets forth the	0111.03(0), 0111.033	State general damonty		yes	110	110
2745 20 02			principal facts and significant factual, legal, methodological, and policy questions considered in	6444 02/6) 6444 025					
3745-38-02	14	shall	preparing the general NPDES permit.	6111.03(G), 6111.035	state general authority		yes	no	yes
			Ohio EPA shall be notified on a form approved by the director at least thirty days prior, unless a						
			different timeframe is specified in the general permit, to any proposed transfer of coverage						
3745-38-02	K1	shall	under a general NPDES permit.	6111.03(G), 6111.035	state general authority		yes	no	no
			The transferor and transferee shall jointly inform Ohio EPA of the transition of responsibilities						
			regarding general NPDES permit coverage, including the specific date coverage responsibility						
3745-38-02	K1	shall	and liability are to be transferred between them.	6111.03(G), 6111.035	state general authority		yes	no	no
			General NPDES permit processing shall be conducted in accordance with provisions in the rules						
			of procedure under Chapters 3745-47 and 3745-49 of the Administrative Code except as						
			provided in paragraph (J)(3) of this rule or superseded by division (B) of section 6111.035 of the						
3745-38-02	L	shall	Revised Code.	6111.03(G), 6111.035	state general authority		yes	no	yes
			If the director finds the revocation of a general NPDES permit necessary pursuant to paragraph		,		,		,
			(M)(1) of this rule, the director shall send notice of the proposed revocation to each permittee						
3745-38-02	M2	shall	covered by the general NPDES permit to be revoked.	6111.03(G), 6111.035	state general authority		yes	no	yes
<del>3773 30 02</del>	1412	Silan	Upon receipt of written notification from the director regarding the issuance of a proposed	0111.03(0), 0111.033	State general dathonty		yes	110	yes
			revocation of a general NPDES permit, each person that was authorized by that general NPDES						
			permit shall submit an application for an individual NPDES permit or a notice of intent for an						
			l						
2745 20 02			alternative general NPDES permit not later than ninety days after receipt of such written	C444 02/C) C444 025					
3745-38-02	M3	shall	notification.	6111.03(G), 6111.035	state general authority		yes	no	no
			When a person determines in accordance with requirements contained within the general						
			NPDES permit under which that person is covered that said coverage is no longer required, that						
			person shall submit a notice of termination (NOT) in accordance with the applicable provisions						
3745-38-02	N	shall	of the general NPDES permit.	6111.03(G), 6111.035	state general authority		yes	no	no
			Require the same effluent limitations, operating conditions, or standards for sewage sludge use	1					
3745-38-02	B2diii	require	or disposal.	6111.03(G), 6111.035	state general authority		yes	no	no
3745-38-02	B2div	require	Require the same or similar monitoring.	6111.03(G), 6111.035	state general authority		yes	no	no
3745-38-02	B4a	require	The director includes all required permit terms and conditions in the general permit.	6111.03(G), 6111.035	state general authority		yes	no	no
•		·	The director includes required permit terms and conditions in the general permit applicable to						
			all eligible small MS4s and, during the process of authorizing small MS4s to discharge,						
			establishes additional terms and conditions not included in the general permit to satisfy one or						
			more of the permit requirements in paragraph (C) of rule 3745-39-03 of the Administrative						
27/15 20 02	D4b	roquiro		6111 02/G\ 6111 02F	state general authority		vos	no	no
3745-38-02	B4b	require		6111.03(G), 6111.035	state general authority		yes	no	no
			The general permit shall require that any small MS4 operator seeking authorization to						
0745 05 55			discharge under the general permit submit a notice of intent (NOI) consistent with paragraph	6444 06/51 5::::					
3745-38-02	B4bi	require	(B)(2)(a) of rule 3745-39-03 of the Administrative Code.	6111.03(G), 6111.035	state general authority		yes	no	yes
3745-38-02	B4bii	require	The director may require the small MS4 operator to submit additional information	6111.03(G), 6111.035	state general authority		yes	no	no

	1		The director may require any person who has submitted a notice of intent to obtain coverage	1				
			under a general NPDES permit, or who otherwise has obtained coverage under a general NPDES					
			permit, to apply for and obtain an individual NPDES permit or alternative general NPDES permit					
3745-38-02	С	reguire	coverage.	6111.03(G), 6111.035	state general authority	ves	no	no
		1.5455	Cases where an individual NPDES permit or alternative general NPDES permit coverage may be	, ,,		7-5		
3745-38-02	С	require	required include any of the following:	6111.03(G), 6111.035	state general authority	yes	no	no
		·	To renew coverage under a general NPDES permit, a renewal notice of intent and associated	, , ,	,			
3745-38-02	E2a	require	fees are required, as follows:	6111.03(G), 6111.035	state general authority	yes	no	no
			A notice of intent renewal fee is not required for persons who obtained coverage under the					
			previous construction storm water general permit and such coverage was obtained less than or					
			equal to one year from the expiration date stated on the expired construction storm water					
3745-38-02	E2aii	require	general permit.	6111.03(G), 6111.035	state general authority	yes	no	no
			When required by a general permit, quantitative data describing the concentration of					
3745-38-02	E3g	require	pollutants in the discharge and volume to be discharged.	6111.03(G), 6111.035	state general authority	yes	no	no
İ								
3745-38-02	I1c	require	Adequate monitoring to obtain required pollutant discharge information is provided.	6111.03(G), 6111.035	state general authority	yes	no	no
3745-38-02	J3bii	require	Require more frequent monitoring or reporting by the permittee.	6111.03(G), 6111.035	state general authority	yes	no	no
			When a person determines in accordance with requirements contained within the general					
			NPDES permit under which that person is covered that said coverage is no longer required, that					
			person shall submit a notice of termination (NOT) in accordance with the applicable provisions					
3745-38-02	N	require	of the general NPDES permit.	6111.03(G), 6111.035	state general authority	yes	no	no

## Rules 3745-39-02, -03, -04 are exempt.

					Required by State or			Removal would require	
					Fed Law or general		Federally delegated	state or federal law	Requirement on the
OAC Rule #	Paragraph	Restriction	Description/Quotation	Statutory Authority	authority?	If Fed, crosswalk?	program?	change?	agency or director?
			Except where otherwise provided, this chapter shall be administered in accordance with						
3745-39-01	А	shall	provisions in Chapters 3745-47 and 3745-49 of the Administrative Code.	6111.03	general authority		yes	no	yes
			Except as otherwise provided in this chapter, all terms used in this chapter shall have the						
3745-39-01	В	shall	same meaning as in section 6111.01 of the Revised Code.	6111.03	general authority		yes	no	no

					Required by State or		Removal would require	
					Fed Law or general	Federally delegated	state or federal law	Requirement on the
OAC Rule #	Paragraph	Restriction	Description/Quotation	Statutory Authority	authority? If Fed, crosswalk?	, ,	change?	agency or director?
<b>5710 Hallo II</b>		1100111011011	Frequently flooded and the months when flooding is expected shall be determined by consulting table			programme		angency or an economic
3745-40-01	F10	shall	1 of appendix A to rule 901:10-2-14 of the Administrative Code.	6111.03 (R), 6111.042	general authority	yes	no	no
			"Frozen ground" means ground that is impenetrable because of frozen soil moisture. Generally, frozen		, , , , , , , , , , , , , , , , , , ,	,		
3745-40-01	F11	shall	ground shall meet all of the following criteria:	6111.03 (R), 6111.042	general authority	yes	no	no
			Injected biosolids shall remain four inches or greater below the ground and shall not be forced to the		S	7	-	-
3745-40-01	16	shall	surface of the ground.	6111.03 (R), 6111.042	general authority	yes	no	no
			Injected biosolids shall remain four inches or greater below the ground and shall not be forced to the					
3745-40-01	16	shall not	surface of the ground.	6111.03 (R), 6111.042	general authority	yes	no	no
3745-40-01	N1	shall	In calculating the nitrogen agronomic rate, the permittee shall subtract both of the following:	6111.03 (R), 6111.042	general authority	yes	no	no
			[Comment: Biosolids management plans are generally used for special scenarios that may not be					
3745-40-01	B8	may not	covered by an NPDES permit (e.g. the use of biosolids for deep-row hybrid poplar tree farming).]	6111.03 (R), 6111.042	general authority	yes	no	no
3745-40-02	B2c	shall	The letter requesting authorization shall include all of the following:	6111.03 (R), 6111.042	general authority	yes	no	no
			The treatment, storage, transfer, or disposal of sewage sludge shall be in compliance with this chapter					
3745-40-02	C2a	shall	and the conditions of an NPDES permit or a biosolids management plan.	6111.03 (R), 6111.042	general authority	yes	no	no
			In accordance with rules adopted under section 3734.03 of the Revised Code and licensed under section	n				
			3734.05 of the Revised Code, sewage sludge that is disposed of in a landfill shall be in compliance with		state required			
3745-40-02	C2b	shall	the requirements of this chapter, and rules adopted under Chapter 3734. of the Revised Code.	6111.03 (R), 6111.042	6111.03(J)(1)(C)	yes	yes	no
			The treatment, storage, transfer or disposal of sewage sludge shall be done in a manner as to minimize		State required 6111.03			
3745-40-02	C2d	shall	odors.	6111.03 (R), 6111.042	(R)(1)(E)	yes	yes	no
			Prior to the beneficial use of biosolids, influent wastewater and septage, or sewage sludge at a					
			treatment works shall be treated by a process such as physical screening or another method to					
3745-40-02	C3a	shall	significantly remove foreign/inert matter.	6111.03 (R), 6111.042	general authority	yes	no	no
			Samples shall be prepared in accordance with U.S. EPA's "160.3 Methods for Chemical Analysis of Water	r				
3745-40-02	C3aiiia	shall	and Wastes."	6111.03 (R), 6111.042	general authority	yes	no	no
			Foreign/inert matter content shall be determined by passing a dried, weighed sample of not less than					
3745-40-02	C3aiiia	shall	one hundred grams of biosolids through a U.S. standard "number 5 sieve" (four millimeter).	6111.03 (R), 6111.042	general authority	yes	no	no
			The material remaining on the screen shall be inspected and the foreign/inert matter shall be separated	1				
3745-40-02	C3aiiia	shall	and weighed.	6111.03 (R), 6111.042	general authority	yes	no	no
			The material remaining on the screen shall be inspected and the foreign/inert matter shall be separated	1				
3745-40-02	C3aiiia	shall	and weighed.	6111.03 (R), 6111.042	general authority	yes	no	no
			The weight of the foreign/inert matter divided by the total weight of the biosolids sample and					
3745-40-02	C3aiiia	shall	multiplied by one hundred shall be the per cent dry weight of the foreign matter content.	6111.03 (R), 6111.042	general authority	yes	no	no
			The minimum frequency of monitoring for foreign/inert matter shall be in accordance with table B-1 of					
3745-40-02	C3aiiia	shall	rule 3745-40-09 of the Administrative Code.	6111.03 (R), 6111.042	general authority	yes	no	no
			The treatment, storage, transfer, disposal, or beneficial use of biosolids shall be in compliance with this		general authority and			
3745-40-02	C3b	shall	chapter and the conditions of an NPDES permit or a biosolids management plan.	6111.03 (R), 6111.042	federally required 40 CFR 503.3	yes	yes	no
			Biosolids that are disposed of in a landfill, in accordance with rules adopted under section 3734.03 of					
			the Revised Code and licensed under section 3734.05 of the Revised Code shall be in compliance with					
			the requirements of this chapter, and shall be in compliance with the rules adopted under Chapter		State required 6111.03			
3745-40-02	C3c	shall	3734. of the Revised Code.	6111.03 (R), 6111.042	(J)(1)(c)	yes	yes	no
			Biosolids that are disposed of in a landfill, in accordance with rules adopted under section 3734.03 of					
			the Revised Code and licensed under section 3734.05 of the Revised Code shall be in compliance with					
			the requirements of this chapter, and shall be in compliance with the rules adopted under Chapter		State required 6111.03			
3745-40-02	C3c	shall	3734. of the Revised Code.	6111.03 (R), 6111.042	(J)(1)(c)	yes	yes	no
			The treatment, storage, transfer, disposal, or beneficial use of biosolids shall be done in a manner as to		State required 6111.03			
3745-40-02	C3e	shall	minimize odors.	6111.03 (R), 6111.042	(R)(1)(E)	yes	yes	no
3745-40-02	C4	shall	Non-traditional feedstocks (NTFs) shall be approved by the director prior to use in anaerobic digestion.	6111.03 (R), 6111.042	general authority	yes	no	yes
			A request for approval to accept an NTF shall be submitted on forms approved by Ohio EPA and include,					
3745-40-02	C4a	shall	at a minimum, the following, unless waived or modified in writing by Ohio EPA:	6111.03 (R), 6111.042	general authority	yes	no	no

				T	T T	1		
			The analytical data shall be sufficient to characterize representative conditions of the generation of the					
3745-40-02	C4aiii	shall	NTF. Ohio EPA may request additional analytical data after an initial review of the request for approval.	6111 03 (P) 6111 042	general authority	yes	no	no
3743 40 02	C4aiii	Silali	A description of the operational conditions used during the study that shall simulate typical digester	0111.03 (N), 0111.042	general authority	ycs	IIIO	110
			conditions, including mixing the NTF with other feedstocks expected to be present to determine how					
3745-40-02	C4aviia	shall	feedstocks may interact.	6111.03 (R), 6111.042	general authority	yes	no	no
3745-40-02	C4b	shall	An indication of the deficiency shall accompany the application returned.	6111.03 (R), 6111.042	general authority	yes	no	no
3743 40 02	C40	Silali	The director or an authorized representative shall not approve an NTF request submitted in accordance		general authority	ycs	no	110
3745-40-02	C4c	shall not	with this rule unless all of the following are determined:	6111.03 (R), 6111.042	general authority	yes	no	yes
3743 40 02	C+C	Silali fiot	Methane production shall be maintained or improved in the anaerobic digester with the addition of	0111.03 (N), 0111.042	general authority	ycs	no	ycs
3745-40-02	C4cii	shall	NTF.	6111.03 (R), 6111.042	general authority	yes	no	no
3743 40 02	CTCII	Silan		0111.05 (11), 0111.042	general authority	yes	110	110
			[Comment: Sewage sludge shall be analyzed in accordance with United States environmental protection					
3745-40-02	D5a	shall	agency method 8082A "PCBs by Gas Chromatography," for purposes of this exclusion.]	6111.03 (R), 6111.042	general authority	yes	no	no
3743 40 02	D30	Silan	In this case, the treatment works shall be installed in accordance with Chapter 3745-42 of the	0111.05 (11), 0111.042	general authority	yes	110	110
			Administrative Code and operated in compliance with this chapter and the conditions of an NPDES					
3745-40-02	D7a	shall	permit.	6111.03 (R), 6111.042	general authority	yes	no	no
3743 40 02	D/a	Silali	perme	0111.03 (N), 0111.042	general authority	ycs	IIIO	110
			Sewage sludge or class B biosolids shall not be placed on any location that is not, as applicable,					
3745-40-02	E2	shall not	authorized for beneficial use, facility storage, field storage or a regional storage facility.	6111.03 (R), 6111.042	general authority	yes	no	no
3,73 70 02	L-C	Silali HUL	The authorization to waive a requirement will not result in a less stringent requirement than required in	, ,,	general authority	yes	110	110
3745-40-02	B2a	reguire	40 C.F.R. 503.	6111.03 (R), 6111.042	general authority	yes	no	no
57 75 70 UZ	520	require	In accordance with Chapter 3745-33 of the Administrative Code, an NPDES permit is required prior to	5111.05 (N), 0111.042	33 USC 1342 (CWA	,	110	110
3745-40-02	C1	reguire	the discharge of any pollutant to surface waters of the state.	6111.03 (R), 6111.042	section 402)	yes	yes	no
3743 40 02	CI	require	A request for approval to accept an NTF that fails to provide Ohio EPA with required information may	0111.03 (N), 0111.042	3000011402)	ycs	yc3	110
3745-40-02	C4b	require	be considered defective.	6111.03 (R), 6111.042	general authority	yes	no	no
3743 40 02	C40	require	be considered defective.	0111.03 (N), 0111.042	general authority	ycs	no	110
3745-40-02	C4diii	require	Periodic reporting of the volume of NTF accepted and the results of any required additional monitoring.	6111 03 (R) 6111 042	general authority	yes	no	no
3745-40-02	E1	prohibit	The surface disposal of sewage sludge or biosolids is prohibited.	6111.03 (R), 6111.042	general authority	ves	no	no
3743 40 02		prombit	The distribution of biosolids that are not exceptional quality, as described in rule 3745-40-04 of the	0111.05 (11), 0111.042	general authority	yes	no no	110
3745-40-02	E3	prohibit	Administrative Code, is prohibited.	6111.03 (R), 6111.042	federal required 40 CFR 503.10 E, F,	VAS	yes	no
3743 40 02		prombit	Except as provided in paragraph (C) of this rule, the treatment, storage, transfer, or disposal of sewage	0111.05 (11), 0111.042	10 CTR 303.10 E, 17	yes	yc3	110
			sludge or biosolids shall be in compliance with this chapter and, as applicable, the conditions of an		general authority and			
3745-40-03	A1	shall	NPDES permit.	6111.03 (R), 6111.042	federally required 40 CFR 503.3	yes	no	no
3743 40 03	/LI	Silali	Except as provided in paragraph (C) of this rule, the beneficial use of biosolids shall be in compliance	0111.03 (N), 0111.042	general authority and	yes	110	110
3745-40-03	A2	shall	with this chapter and, as applicable, the conditions of an NPDES permit.	6111.03 (R), 6111.042	federally required 40 CFR 503.3	yes	no	no
3745-40-03	B	shall	The beneficial use at a land reclamation site shall conform to both of the following:	6111.03 (R), 6111.042	general authority	ves	no	no
3745-40-03	C4	shall	A biosolids management plan shall include all of the following	6111.03 (R), 6111.042	general authority	yes	no	no
37 13 10 03		Silan	An application for renewal of a biosolids management plan shall be submitted one hundred eighty days		Benefaladinoney	763	110	110
3745-40-03	C5	shall	prior to the expiration date of the plan.	6111.03 (R), 6111.042	general authority	yes	no	no
			The director may require an NPDES permit or biosolids management plan for the beneficial use of	(	general	7		
3745-40-03	A3	require	exceptional quality biosolids.	6111.03 (R), 6111.042	general authority	yes	no	no
	7.0	. equ e	Require the filing of periodic reports on the amounts, composition and quality of the sewage sludge or		general	7		
3745-40-03	A4ev	require	biosolids.	6111.03 (R), 6111.042	general authority	yes	no	no
	11.01				g ,	7		
			If an NPDES permit is not required, the director may allow the treatment, storage, transfer or disposal					
3745-40-03	C1	require	of sewage sludge or biosolids in accordance with an approved biosolids management plan.	6111.03 (R), 6111.042	general authority	yes	no	no
			If an NPDES permit is not required, the director may allow the beneficial use of biosolids in accordance		general	,		
3745-40-03	C2	require	with an approved biosolids management plan.	6111.03 (R), 6111.042	general authority	yes	no	no
		- 1	The director may require any person who is not a permittee to obtain a biosolids management plan		g ,	7		
3745-40-03	СЗ	require	prior to the beneficial use of biosolids.	6111.03 (R), 6111.042	general authority	yes	no	no
					general	7		
3745-40-04	A1	shall	A biosolids classification shall be determined in accordance with table A-1 of this rule.	6111.03 (R), 6111.042	federal required 40 CFR 503.15	yes	yes	no
	· · · <del>-</del>	5	For exceptional quality biosolids, the pathogen reduction alternatives in accordance with table A-1 of	()	10 0111 303123	-	1	
			this rule shall be met either prior to or at the same time as meeting the vector attraction reduction					
			requirements, except the vector attraction reduction requirements in paragraphs (C)(6) to (C)(8) of this					
3745-40-04	A1a	shall	rule.	6111.03 (R), 6111.042	federal required 40 CFR 503.32 (a)(2	ves	no	no
	1==	10	1 * *			11		· =

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			Records shall be kept in accordance with this rule and rule 3745-40-09 of the Administrative Code and						
3745-40-04	A2	shall	maintained for as minimum of five years.	6111.03 (R), 6111.042	federal required	40 CFR 503.17	yes	yes	no
			Class B biosolids: For class B biosolids, pathogen reduction shall be accomplished in accordance with an						
3745-40-04	В	shall	· · · · · · · · · · · · · · · · · · ·	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
			Eventional avality biggalides for eventional quality biggalide mathematy and estion shall be						
3745-40-04	B	shall	Exceptional quality biosolids: For exceptional quality biosolids, pathogen reduction shall be accomplished when the density of fecal coliform in the sewage sludge is less than one thousand	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
3743 40 04		Silaii	decomplished when the density of recur comorni in the sewage studge is less than one thousand	0111.03 (N), 0111.042	reactarrequirea	40 CFR 303.32	yes	yes	110
2745 40 04			The pathogen reduction alternative shall be met either prior to, or at the same time as meeting the	C111 00 (D) C111 010		40.050.500.00			
3745-40-04	В	shall	vector attraction reduction requirement in paragraphs (C)(1) to (C)(8) of this rule.	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
			. To meet the fecal coliform or Salmonella sp. bacteria requirement, the sampling results shall be						
3745-40-04	В	shall	representative of the biosolids leaving the treatment works.	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
			At a minimum, seven grab samples of the biosolids shall be taken and analyzed at least once per						
			reporting period and all results shall meet the limits listed in this paragraph for the biosolids to be						
3745-40-04	В	shall	considered exceptional quality.	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
			At a minimum, seven grab samples of the biosolids shall be taken and analyzed at least once per						
			reporting period and all results shall meet the limits listed in this paragraph for the biosolids to be						
3745-40-04	В	shall		6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
			At a minimum, seven grab samples of the sewage sludge that are proposed for authorized beneficial						
3745-40-04	B1ai	shall	use shall be collected.	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
							7	7	
3745-40-04	B1ai	shall	The samples of the sewage sludge shall be taken at various locations, so as to be representative.	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	vos	no
3743-40-04	DIAI	Silali	The samples of the sewage shall be taken at various locations, so as to be representative.	0111.03 (N), 0111.042	lederarrequired	40 CFR 303.32	yes	yes	110
2745 40 04			The geometric mean of the density of fecal coliform in the sewage sludge samples shall be either of the			40.050.500.00			
3745-40-04	B1aii	shall	following:	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
			[Comment: Seven samples shall be taken over a two-week period or in accordance with the standard						
3745-40-04	B1aii	shall	operating procedure developed under paragraph (C) of rule 3745-40-09 of the Administrative Code.	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
			The permittee shall complete monitoring in accordance with paragraphs (B)(1)(a) to (B)(1)(a)(ii) of rule						
			3745-40-04 of the Administrative Code and at the frequencies specified in paragraph (B) of rule 3745-						
3745-40-04	B1b	shall	40-09 of the Administrative Code.	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
	•	•			•	•			

3745-40-04	B1c	shall	All of the following records shall be maintained and submitted to the director or an authorized representative with the annual report:	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
3745-40-04	B2ai	shall	The sewage sludge shall be agitated with air or oxygen to maintain aerobic conditions for a specific mean cell residence time at a specific temperature.	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
3745-40-04	B2aii	shall	The values for the mean cell residence time and temperature shall be between forty days at twenty degrees Celsius (sixty-eight degrees Fahrenheit) and sixty days at fifteen degrees Celsius (fifty-nine degrees Fahrenheit), where a minimum temperature of fifteen degrees Celsius is maintained at all times.	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
3745-40-04	B2aii	shall	To calculate the number of days of the mean cell residence time that is required for temperatures between fifteen and twenty degrees Celsius (between fifty-nine and sixty-eight degrees Fahrenheit), the following equation shall be used	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
3745-40-04	B2b	shall	Both of the following records shall be maintained and submitted to the director or an authorized representative with the annual report:	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
		5.1611	The sewage sludge shall be exposed to the atmosphere for at least sixty consecutive days within the	(1,1)	- Castar equires		700	yes	
3745-40-04	B3aiii	shall	ninety-day period.	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
3745-40-04	B3b	shall	All of the following records shall be maintained and submitted to the director or an authorized representative with the annual report:	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
3745-40-04	B4ai	shall	Sewage sludge or biosolids shall be treated in the absence of air for a specific mean cell residence time at a specific temperature.		federal required	40 CFR 503.32	yes	yes	no
3745-40-04	B4ai	shall	Bulking agents, additives, or feedstocks shall be introduced prior to, or during the anaerobic digestion process.	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
2745 40 24	DA	ab a U	An alternative feedstock shall be authorized by the director or an authorized representative in	C444 03 (D) C444 0.23	fadaralina	40 CFD 502 22			
3745-40-04	B4ai	shall	accordance with rule 3745-40-02 of the Administrative Code.  The values for the mean cell residence time and the temperature shall be between fifteen days at thirty five to fifty-five degrees Celsius (between ninety-five and one hundred thirty-one degrees Fahrenheit)		federal required	40 CFR 503.32	yes	yes	no
3745-40-04	B4aii	shall	and sixty days at twenty degrees Celsius (sixty-eight degrees Fahrenheit).	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
3745-40-04	B4aii	shall	A minimum temperature of twenty degrees Celsius (sixty-eight degrees Fahrenheit) shall be maintained at all times.	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no

		1		T	1	1			1
2745 40 04			All of the following records shall be maintained and submitted to the director or an authorized	C111 00 (D) C111 010					
3745-40-04	B4b	shall	representative with the annual report:	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
			Cook broaders and cooking the Highest has positive that the granular area in Chandra 2745 FCO of the						
3745-40-04	B5ai	shall not	Such treatment works shall not be subject to the requirements in Chapter 3745-560 of the Administrative Code if all of the following conditions are met:	6111 02 (D) 6111 042	federal required	40 CFR 503.32	was	1406	no.
3743-40-04	DOdi	Strail flot	Administrative code if all of the following conditions are filet.	6111.03 (R), 6111.042	rederarrequired	40 CFK 505.52	yes	yes	no
			The temperature is measured at multiple points and at a range of depths throughout the composting						
			medium and shall be recorded at the beginning of the compost process when the minimum						
			temperature has been reached, at least once daily, at least once per hour during the four-hour period						
			when the composting medium is above fifty-five degrees Celsius (one hundred thirty-one degrees						
3745-40-04	B5aiiaiii	shall	Fahrenheit) and at the end of the five-day period.	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
			, , , , , , , , , , , , , , , , , , , ,	. , ,	·		,		
			One foot or greater of an insulation material shall be placed over the surface of the aerated static pile						
			to ensure that the entire composting medium achieves forty degrees Celsius (one hundred four degrees	3					
3745-40-04	B5aiibiii	shall	Fahrenheit) or higher.	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
			The temperature is measured at multiple points and at a range of depths throughout the composting						
			medium, including the toes of the pile, and shall be recorded at the beginning of the composting						
			process, at least once daily, at least once per hour during the four-hour period that the composting						
			medium is above fifty-five degrees Celsius (one hundred thirty-one degrees Fahrenheit) and at the end						
3745-40-04	B5aiibiv	shall	of the five-day period.	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
			The temperature of the windrow of composting medium shall be maintained at forty degrees Celsius						
			(one hundred four degrees Fahrenheit) or higher for a minimum of five consecutive days, except during						
3745-40-04	B5aiici	shall	active turning or mixing of the windrow.	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
			The using draw of compacting modium shall be turned or mixed during the five day period so that the						
			The windrow of composting medium shall be turned or mixed during the five-day period so that the entire compost medium has maintained a temperature of forty degrees Celsius (one hundred four						
3745-40-04	B5aiiciii	shall	degrees Fahrenheit) for a minimum of five days.	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
3743-40-04	DJancin	Silali	degrees ramement, for a minimum or five days.	0111.03 (N), 0111.042	rederarrequired	40 CH N 303.32	yes	yes	110
			The turning or mixing shall be done by a machine that moves the core of the composting material to the						
3745-40-04	B5aiiciii	shall	outside of the windrow and moves the outside compost material into the core of the windrow.	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
			·		·				
			The temperature of the windrow shall be at or above forty degrees Celsius (one hundred four degrees						
3745-40-04	B5aiiciv	shall	Fahrenheit) within twenty-four hours after the turning or mixing of the windrow is complete.	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
			The temperature is measured at multiple points and at a range of depths throughout the composting						
			medium, including the toes of the pile, and shall be recorded at the beginning of the composting						
			process, at least once daily, at least once per hour during the four-hour period that the composting						
	  :	ļ,	medium is above fifty-five degrees Celsius (one hundred thirty-one degrees Fahrenheit) and at the end	6444 00 (0) 5111 515		40.055.555			
3745-40-04	B5aiicv	shall	of the five-day period.	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
			All of the following records shall be maintained and submitted to the director or an authorized						
3745-40-04	DEP	shall	representative with the annual report:	6111.03 (R), 6111.042	federal required	40 CFR 503.32	Vec	vos	no
3743-40-04	B5b	Stidil	representative with the annual report.	0111.03 (N), 0111.042	reactarrequired	40 CFR 303.32	yes	yes	no

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3745-40-04	B5bi	shall	A description of the composting method, including where the temperature shall be measured.	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
			The pH shall be measured at several locations to ensure that the pH is raised throughout the sewage						
3745-40-04	B6aii	shall	sludge.	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
			Records shall be maintained and submitted to the director or an authorized representative with the						
3745-40-04	B6b	shall	annual report that include all of the following:	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
			If this is not possible, and odor problems develop, alternate management practices in the field,						
			including injection or incorporation or top dressing the beneficially used biosolids with additional lime,		State required 6111.03				
3745-40-04	B6biii comment	shall	shall be performed.	6111.03 (R), 6111.042	(R)(1)(E)	40 CFR 503.32	yes	yes	no
			To achieve alternative P-7, sewage sludge that will be treated to generate biosolids for beneficial use						
			shall be treated in a process that is equivalent to a process to significantly reduce pathogens, as						
3745-40-04	B7a	shall	determined by the director.	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
			The records of the operating parameters or pathogen levels, as necessary to demonstrate the process						
			equivalent to a process to significantly reduce pathogens, shall be maintained and submitted to the						
3745-40-04	B7b	shall	director or an authorized representative with the annual report.	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
			When the per cent solids of the sewage sludge is seven per cent or higher, the temperature of the						
			sewage sludge shall be fifty degrees Celsius (one hundred twenty-two degrees Fahrenheit) or higher,						
			the time period shall be twenty minutes or longer and the temperature and time period shall be						
			determined using equation number one, except when small particles of sewage sludge are heated by						
3745-40-04	B8ai	shall	either warmed gases or an immiscible liquid.	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
					·				
			When the per cent solids of the sewage sludge is seven per cent or higher, the temperature of the						
			sewage sludge shall be fifty degrees Celsius (one hundred twenty-two degrees Fahrenheit) or higher,						
			the time period shall be twenty minutes or longer and the temperature and time period shall be						
			determined using equation number one, except when small particles of sewage sludge are heated by						
3745-40-04	B8ai	shall	either warmed gases or an immiscible liquid.	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
			When the per cent solids of the sewage sludge is seven per cent or higher, the temperature of the						
			sewage sludge shall be fifty degrees Celsius (one hundred twenty-two degrees Fahrenheit) or higher,						
			the time period shall be twenty minutes or longer and the temperature and time period shall be						
			determined using equation number one, except when small particles of sewage sludge are heated by						
3745-40-04	B8ai	shall	either warmed gases or an immiscible liquid.	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
			When the per cent solids of the sewage sludge is seven per cent or higher and small particles of sewage		·				
			sludge are heated by either warmed gases or an immiscible liquid, the temperature of the sewage						
			sludge shall be fifty degrees Celsius (one hundred twenty-two degrees Fahrenheit) or higher, the time						
			period shall be fifteen seconds or longer and the temperature and time period shall be determined						
3745-40-04	B8aii	shall	using equation number one.	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
-			When the per cent solids of the sewage sludge is seven per cent or higher and small particles of sewage		,		ľ	1	
			sludge are heated by either warmed gases or an immiscible liquid, the temperature of the sewage						
			sludge shall be fifty degrees Celsius (one hundred twenty-two degrees Fahrenheit) or higher, the time						
			period shall be fifteen seconds or longer and the temperature and time period shall be determined						
3745-40-04	B8aii	shall	using equation number one.	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
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			When the per cent solids of the sewage sludge is seven per cent or higher and small particles of sewage						
			sludge are heated by either warmed gases or an immiscible liquid, the temperature of the sewage						
			sludge shall be fifty degrees Celsius (one hundred twenty-two degrees Fahrenheit) or higher, the time						
			period shall be fifteen seconds or longer and the temperature and time period shall be determined						
3745-40-04	B8aii	shall	using equation number one.	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
			When the per cent solids of the sewage sludge is less than seven per cent and the time period is at least						
			fifteen seconds, but less than thirty minutes, the temperature and time period shall be determined						
3745-40-04	B8aiii	shall	using equation number one.	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
			When the per cent solids of the sewage sludge is less than seven per cent, the temperature of the						
			sewage sludge is fifty degrees Celsius (one hundred twenty-two degrees Fahrenheit) or higher, and the						
			time period is thirty minutes or longer, the temperature and time period shall be determined using						
3745-40-04	B8aiv	shall	equation number two.	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
			All of the following records shall be maintained and submitted to the director or an authorized						
3745-40-04	B8b	shall	representative with the annual report:	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
			The pH shall be measured at several locations to ensure that the pH is raised throughout the sewage						
3745-40-04	B9aii	shall	sludge.	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
			All of the following records shall be maintained and submitted to the director or an authorized						
3745-40-04	B9b	shall	representative with the annual report:	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
			The temperature is measured at multiple points and at a range of depths throughout the composting						
			medium and shall be recorded, at a minimum, at the beginning of the composting process, at twenty-						
3745-40-04	B10aiiaii	shall	four hours, at forty-eight hours and at seventy-two hours.	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
			The temperature shall be measured in the core of the windrow at various locations along the length of						
3745-40-04	B10aiicv	shall	the windrow.	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
			Temperatures shall be recorded at the same time daily, at a minimum, throughout the fifteen-day						
3745-40-04	B10aiicv	shall	period.	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
			All of the following records shall be maintained and submitted to the director or an authorized						
3745-40-04	B10b	shall	representative with the annual report:	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
			All of the following records shall be maintained and submitted to the director or an authorized						
3745-40-04	B11b	shall	representative with the annual report:	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
			All of the following records shall be maintained and submitted to the director or an authorized						
3745-40-04	B12b	shall	representative with the annual report:	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
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3745-40-04	B13a	shall	To achieve alternative P-13, the sewage sludge shall be irradiated with beta rays from an accelerator at dosages of at least one megarad at room temperature (approximately twenty degrees Celsius or sixtyeight degrees Fahrenheit).	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
3745-40-04	B13b	shall	All of the following records shall be maintained and submitted to the director or an authorized representative with the annual report:	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
3745-40-04	B14a	shall	To achieve alternative P-14, the sewage sludge shall be irradiated with gamma rays from certain isotopes, such as \60\cobalt and \137\cesium, at dosages of at least one megarad at room temperature (approximately twenty degrees Celsius or sixty-eight degrees Fahrenheit).	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
3745-40-04	B14b	shall	All of the following records shall be maintained and submitted to the director or an authorized representative with the annual report:	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
3745-40-04	B15a	shall	To achieve alternative P-15, the temperature of the sewage sludge shall be maintained at seventy degrees Celsius (one hundred fifty-eight degrees Fahrenheit) or higher for thirty minutes or longer.	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
3745-40-04	B15a	shall	A device shall be used to monitor the temperatures to ensure that the temperature of the sewage sludge does not fall below seventy degrees Celsius (one hundred fifty-eight degrees Fahrenheit) during the thirty-minute period.	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
3745-40-04	B15b	shall	Both of the following records shall be maintained and submitted to the director or an authorized representative with the annual report:	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
3745-40-04	B16a	shall	To achieve alternative P-16, sewage sludge that will be treated to generate biosolids for beneficial use shall be treated in a manner that is equivalent to a process to further reduce pathogens, as determined by the director.		federal required	40 CFR 503.32	yes	yes	no
3745-40-04	B16b	shall	Both of the following records shall be maintained and submitted to the director or an authorized representative with the annual report:	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
3745-40-04	С	shall	In addition to the applicable pathogen reduction requirements and the pollutant concentration limits for metals in this rule, a vector attraction reduction option in accordance with paragraphs (C)(1) to (C)(10) of this rule shall be met in order to achieve class B biosolids.	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
3745-40-04	С	shall	Exceptional quality biosolids. In addition to the applicable pathogen reduction requirements and the pollutant concentration limits for metals in this rule, a vector attraction reduction option in accordance with paragraphs (C)(1) to (C)(8) of this rule shall be met after or at the same time as meeting pathogen reduction requirements in paragraphs (B)(8) to (B)(16) of this rule to achieve exceptional quality biosolids.	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
3745-40-04	C1a	shall	To achieve option VAR-1, the mass of volatile solids in the sewage sludge shall be reduced by a minimum of thirty-eight per cent.	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no

3745-40-04	C1b	shall	Both of the following records shall be maintained and submitted to the director or an authorized representative with the annual report:	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
			All of the following records shall be maintained and submitted to the director or an authorized						
3745-40-04	C2b	shall	representative with the annual report:	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
			All of the following records shall be maintained and submitted to the director or an authorized						
3745-40-04	C3b	shall	representative with the annual report:	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
			To achieve option VAR-4, the specific oxygen uptake rate for sewage sludge that is treated in an aerobic process at temperatures between ten and thirty degrees Celsius (between fifty and eighty-six degrees	С					
			Fahrenheit), shall be equal to or less than 1.5 milligrams of oxygen per hour per gram of total solids (dry	y					
3745-40-04	C4a	shall	weight basis) at a temperature of twenty degrees Celsius (sixty-eight degrees Fahrenheit).	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
			The temperature of the sewage sludge to be tested shall be maintained at the same temperature as it						
3745-40-04	C4a	shall	was in the digester.	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
2745 40 04	CAL	.111	SOUR testing shall be conducted in accordance with the standard operating procedure developed unde		fodoval ve svise d	40.650.502.22			
3745-40-04	C4b	shall	paragraph (C) of rule 3745-40-09 of the Administrative Code.	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
3745-40-04	C4b	shall	The standard operating procedure for SOUR testing shall take into account the variability in flow rates and performance of the digester.	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
3743 40 04	CHD	Silan	und periormanie of the digester.	0111.03 (N), 0111.042	reactarrequirea	40 CIN 303.32	yes	yes	
3745-40-04	C4b	shall	. SOUR tests shall be run routinely so that sufficient data are available to indicate average performance.	. 6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
			. To compensate for variability the arithmetic mean of a minimum of seven successive SOUR tests taken						
3745-40-04	C4b	shall	over a two-week period shall give a SOUR of less than or equal to 1.5 milligrams of oxygen per hour per gram of total solids.	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
			. At a minimum, SOUR testing shall be completed at the frequency required by table B-1 of rule 3745-40						
3745-40-04	C4b	shall	O9 of the Administrative Code.		federal required	40 CFR 503.32	yes	yes	no
			All of the following records shall be maintained and submitted to the director or an authorized						
3745-40-04	C4c	shall	representative with the annual report:	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
3745-40-04	C5a	shall	. Sewage sludge shall be treated in an aerobic process for fourteen days or longer.	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no

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3745-40-04	C5a	shall	During that time, the temperature of the sewage sludge shall be higher than forty degrees Celsius (one hundred four degrees Fahrenheit) and the average temperature of the sewage sludge shall be higher than forty-five degrees Celsius (one hundred thirteen degrees Fahrenheit).	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
3745-40-04	C5a	shall	During that time, the temperature of the sewage sludge shall be higher than forty degrees Celsius (one hundred four degrees Fahrenheit) and the average temperature of the sewage sludge shall be higher than forty-five degrees Celsius (one hundred thirteen degrees Fahrenheit).		federal required	40 CFR 503.32	yes	yes	no
3745-40-04	C5b	shall	Both of the following records shall be maintained and submitted to the director or an authorized representative with the annual report:	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
3745-40-04	C6a	shall	The pH of sewage sludge shall be raised to twelve or higher by lime addition and, without the addition of more lime, shall remain at twelve or higher for two hours and then remain at 11.5 or higher for an additional twenty-two hours.	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
3745-40-04	C6a	shall	The pH of sewage sludge shall be raised to twelve or higher by lime addition and, without the addition of more lime, shall remain at twelve or higher for two hours and then remain at 11.5 or higher for an additional twenty-two hours.	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
3745-40-04	C6b	shall	All of the following records shall be maintained and submitted to the director or an authorized representative with the annual report:	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
3745-40-04	C7a	shall	The per cent solids of sewage sludge that does not contain unstabilized solids generated in a primary wastewater treatment process shall be equal to or greater than seventy-five per cent based on the per cent solids and total solids prior to mixing with other materials.		federal required	40 CFR 503.32	yes	yes	no
3745-40-04	C7b	shall	Both of the following records shall be maintained and submitted to the director or an authorized representative with the annual report:	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
3745-40-04	C8a	shall	The per cent solids of sewage sludge that contains unstabilized solids generated in a primary wastewater treatment process shall be equal to or greater than ninety per cent based on the per cent solids and total solids prior to mixing with other materials until the biosolids are beneficially used.	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
3745-40-04	C8a	shall	Measures shall be taken to prevent odors and proper storage shall be provided to avoid a decrease in per cent solids.	6111.03 (R), 6111.042	State required 6111.03 (R)(1)(E)	40 CFR 503.32	yes	yes	no
3745-40-04	C8a	shall	Measures shall be taken to prevent odors and proper storage shall be provided to avoid a decrease in per cent solids.	6111.03 (R), 6111.042	State required 6111.03 (R)(1)(E)	40 CFR 503.32	yes	yes	no
3745-40-04	C8b	shall	The results of the per cent solids tests on a dry weight basis shall be maintained and submitted to the director or an authorized representative with the annual report.	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no

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			. Biosolids shall be injected below the surface of the authorized beneficial use site, where no significant						
			amount of biosolids shall be present on the surface of the authorized beneficial use site within one hour						
3745-40-04	C9a	shall	after the sewage sludge is injected.	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
37 13 10 01	CSu	Silaii	diter the serrage states is injected.	0111.03 (11), 0111.0 12	reactarrequired	40 CH ( 303.32	yes	yes	110
			. Biosolids shall be injected below the surface of the authorized beneficial use site, where no significant						
			amount of biosolids shall be present on the surface of the authorized beneficial use site within one hour						
3745-40-04	C9a	shall	after the sewage sludge is injected.	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
			The partification statement as required by rule 2745 40 00 of the Administrative Code from the						
			The certification statement, as required by rule 3745-40-09 of the Administrative Code, from the beneficial user shall be maintained and submitted to the director or an authorized representative with						
3745-40-04	C9b	shall	the annual report.	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
37 13 10 01	035	Silan	the diffidult reports	0111.03 (11), 0111.0 12	reacrarrequirea	10 0111 303.32	yes	yes	110
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			Biosolids shall be incorporated into the soil within six hours of delivery to the authorized beneficial use						
3745-40-04	C10a	shall	site, unless otherwise specified by the director.	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
			The certification statement from the beneficial user shall be maintained and submitted to the director						
3745-40-04	C10b	shall	or an authorized representative with the annual report.	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
37 13 10 01	0100	Silan	or all additionable representative with the difficult report.	0111.03 (11), 0111.0 12	reacrarrequirea	10 0111 303.32	yes	yes	
			No person shall beneficially use biosolids if any monitoring result indicates that a pollutant						
3745-40-04	D1	shall	concentration exceeds the pollutant ceiling concentration listed in table D-1 of this rule.	6111.03 (R), 6111.042	federal required	40 CFR 503.13	yes	yes	no
			If a monitoring result indicates that a pollutant exceeds the pollutant ceiling concentrations listed in						
			table D-1 of this rule, a permittee shall either dispose of the sewage sludge within a landfill or return						
3745-40-04	D2	shall	the sewage sludge to the initial stage of the sewage sludge treatment train.	6111.03 (R), 6111.042	federal required	40 CFR 503.13	yes	yes	no
				, ,,	'			,	
			. If the permittee returns the sewage sludge to the sewage sludge treatment train, monitoring shall be						
			repeated and the results must indicate that pollutants do not exceed the pollutant ceiling						
			concentrations listed in table D-1 of this rule before biosolids are removed from the treatment works						
3745-40-04	D2	shall	for beneficial use.	6111.03 (R), 6111.042	federal required	40 CFR 503.13	yes	yes	no
			No person shall beneficially use biosolids at an authorized beneficial use site subject to the cumulative						
			pollutant loading rates established in table D-2 of this rule if any of the cumulative pollutant loading						
3745-40-04	D3	shall	rates in table D-2 of this rule have been reached at the authorized beneficial use site.	6111.03 (R), 6111.042	federal required	40 CFR 503.13	yes	yes	no
				, ,,	'			,	
			The pollutant ceiling concentrations, cumulative pollutant loading rates, and pollutant reporting period						
			average concentrations for biosolids shall, as applicable, not exceed the concentrations listed in table D						
3745-40-04	D4	shall	1, table D-2 and table D-3 of this rule or as required by 40 C.F.R. part 503.	6111.03 (R), 6111.042	federal required	40 CFR 503.13	yes	yes	no
			Before class B biosolids subject to the cumulative pollutant loading rates in this rule are applied at an						
			authorized beneficial use site in Ohio, the person who proposes to beneficially use the class B biosolids						
			shall contact the Ohio environmental protection agency division of surface water to determine whether						
			class B biosolids subject to the cumulative pollutant loading rates in this rule have been beneficially						
3745-40-04	D5	shall	used at the authorized beneficial use site since July 20, 1993.	6111.03 (R), 6111.042	federal required	40 CFR 503.13	yes	yes	no

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3745-40-04	DSb	shall	If class B biosolids subject to the cumulative pollutant loading rates have been beneficially used at the authorized beneficial use site since July 20, 1993, and the cumulative amount of each pollutant beneficially used at the authorized beneficial use site since that date is known, the cumulative amount of each pollutant applied at the authorized beneficial use site shall be used to determine the additional amount of each pollutant that can be applied at the authorized beneficial use site in accordance with this chapter.	6111.03 (R), 6111.042	federal required	40 CFR 503.13	yes	yes	no
			If class B biosolids subject to the cumulative pollutant loading rates have been beneficially used at the authorized beneficial use site since July 20, 1993, and the cumulative amount of each pollutant applied at the authorized beneficial use site since that date is not known, an additional amount of each						
3745-40-04	D5c	shall not	pollutant shall not be applied at the authorized beneficial use site.  Any person who beneficially uses class B biosolids subject to the cumulative pollutant loading rates in this rule at an authorized beneficial use site in Ohio shall provide written notice to the appropriate Ohio	6111.03 (R), 6111.042	federal required	40 CFR 503.13	yes	yes	no
3745-40-04	D6	shall	environmental protection agency district office prior to initial beneficial use of class B biosolids at the authorized beneficial use site.	6111.03 (R), 6111.042	federal required	40 CFR 503.13	yes	yes	no
3745-40-04	D6	shall	The Ohio environmental protection agency shall retain and provide access to the notice.	6111.03 (R), 6111.042	federal required	40 CFR 503.13	yes	yes	yes
3745-40-04	D6	shall	The notice shall include both of the following:	6111.03 (R), 6111.042	federal required	40 CFR 503.13	yes	yes	no
			For four consecutive hours during the five-day period, the temperature of the composting medium						
3745-40-04	B5aiiaii	must	must rise above fifty-five degrees Celsius (one hundred thirty-one degrees Fahrenheit).	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
3745-40-04	B5aiibii	must	For four consecutive hours during the five-day period, the temperature of the composting medium must rise above fifty-five degrees Celsius (one hundred thirty-one degrees Fahrenheit).	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
3745-40-04	B5aiibiii	must	Finished compost used as insulation material to cover the aerated static pile must be exceptional quality biosolids.	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
2745 40 04	DFo:ioii		For four consecutive hours during the five-day period, the temperature of the composting medium	C444 02 (D) C444 042	fodoral required	40 CFD F02 22			
3745-40-04	B5aiicii	must	must rise above fifty-five degrees Celsius (one hundred thirty-one degrees Fahrenheit).  [Comment: If more than one monitoring event occurs for the pollutants listed in table D-1 of this rule than all monitoring results must show pollutant levels below the pollutant coiling concentrations listed.	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
3745-40-04	D1	must	then all monitoring results must show pollutant levels below the pollutant ceiling concentrations listed in table D-1 of this rule.  If the permittee returns the sewage sludge to the sewage sludge treatment train, monitoring shall be	6111.03 (R), 6111.042	federal required	40 CFR 503.13	yes	yes	no
3745-40-04	D2	must	repeated and the results must indicate that pollutants do not exceed the pollutant ceiling concentrations listed in table D-1 of this rule before biosolids are removed from the treatment works for beneficial use.	6111.03 (R), 6111.042	federal required	40 CFR 503.13	yes	yes	no

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3745-40-04	B1ai	require	The director may require more than seven samples to be taken to ensure adequate representation.	6111.03 (R), 6111.042	federal required	40 CFR 503.31	yes	yes	no
3745-40-04	B2aii	require	To calculate the number of days of the mean cell residence time that is required for temperatures between fifteen and twenty degrees Celsius (between fifty-nine and sixty-eight degrees Fahrenheit), the following equation shall be used:	6111.03 (R), 6111.042	federal required	40 CFR 503.31	yes	yes	no
3745-40-04	B4aii	require	To calculate the number of days of the mean cell residence time required for temperatures between twenty and thirty degrees Celsius (between sixty-eight and ninety-five degrees Fahrenheit), the following equation should be used:	6111.03 (R), 6111.042	federal required	40 CFR 503.31	yes	yes	no
3745-40-04	B9biii	require	The hourly sewage sludge temperature for the twelve hours that the temperature is required to be maintained.	6111.03 (R), 6111.042	federal required	40 CFR 503.31	yes	yes	no
3745-40-04	C4b	require	At a minimum, SOUR testing shall be completed at the frequency required by table B-1 of rule 3745-40-09 of the Administrative Code.		federal required	40 CFR 503.33	yes	yes	no
3745-40-04	C9b	require	The certification statement, as required by rule 3745-40-09 of the Administrative Code, from the beneficial user shall be maintained and submitted to the director or an authorized representative with the annual report.	6111.03 (R), 6111.042	federal required	40 CFR 503.33	yes	yes	no
3745-40-04	D4	require	The pollutant ceiling concentrations, cumulative pollutant loading rates, and pollutant reporting period average concentrations for biosolids shall, as applicable, not exceed the concentrations listed in table D 1, table D-2 and table D-3 of this rule or as required by 40 C.F.R. part 503.		federal required	40 CFR 503.13	yes	yes	no
3745-40-05	A	shall	A permittee shall provide the initial person who receives class B or bulk exceptional quality biosolids information including, but not limited to all of the following:	6111.03 (R), 6111.042	federal required	40 CFR 503.12	yes	yes	no
2745 40 05	A.G.	chall	A statement that the biosolids shall be further treated, stored, transferred, disposed of or beneficially used in accordance with this chapter.	6111 02 (D) 6111 042	fodoral required	40 CFR 502 12	NOS	105	
3745-40-05	A6	shall	Any person who beneficially uses class B or bulk exceptional quality biosolids shall provide the		federal required	40 CFR 503.12	yes	yes	no
3745-40-05	В	shall	In the event that more than one type of feed crop, fiber crop, food crop, or pasture is grown on a single beneficial use site where multiple beneficial use rates are used, a crop year report shall be submitted	6111.03 (R), 6111.042	federal required	40 CFR 503.12	yes	yes	no
3745-40-05	В	shall	for each separate crop area.	6111.03 (R), 6111.042	federal required	40 CFR 503.12	yes	yes	no
3745-40-05	В	shall	At a minimum, the crop-year report shall include all of the following information:	6111.03 (R), 6111.042	federal required	40 CFR 503.12	yes	yes	no

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			In order to protect public health or the environment, the director or an authorized representative may					
			require any person who distributes biosolids or material containing biosolids to provide the initial					
			person receiving the biosolids or material containing biosolids with additional information concerning					
3745-40-05	<u></u>	roquiro	the contents of the biosolids.	6111.03 (R), 6111.042	general authority	vos	no	
5/45-40-05	C	require	the contents of the biosonas.	0111.05 (K), 0111.042	general authority	yes	no	no
			Prior to the beneficial use of class B biosolids, a permittee shall obtain written notice of authorization to					
			beneficially use class B biosolids at a proposed beneficial use site from the director or an authorized					
3745-40-06	_	shall	representative pursuant to the permittee's NPDES permit or approved biosolids management plan.	6111.03 (R), 6111.042	general authority	vos	no	no
743-40-00	A	Silali	The permittee shall submit a notice of beneficial use site application to beneficially use class B biosolids		general authority	yes	no	110
			on one or more proposed beneficial use sites in any county approved for beneficial use in the					
3745-40-06	A1	shall	permittee's NPDES permit or biosolids management plan.	6111.03 (R), 6111.042	general authority	yes	no	no
3743-40-00	AI	Silali	Notice of beneficial use site application requests shall be submitted on forms approved by the director	0111.03 (N), 0111.042	general authority	yes	110	110
3745-40-06	A1a	shall	at least forty-five days prior to the expected date of beneficial use.	6111.03 (R), 6111.042	general authority	yes	no	no
5743-40-00	Ald	Silali	at least forty-five days prior to the expected date of beneficial use.	0111.03 (K), 0111.042	general authority	yes	III	110
3745-40-06	A1b	shall	At a minimum, a notice of beneficial use site application request shall contain all of the following:	6111.03 (R), 6111.042	general authority	yes	no	no
37 13 10 00	AID	Silan	At a minimum, the isolation distances and site specific requirements contained in paragraphs (C) and	0111.05 (11), 0111.0 12	general adminity	, es	110	110
			(D) of rule 3745-40-08 of the Administrative Code shall be considered to determine the suitability of a					
3745-40-06	A2	shall	site for the beneficial use of biosolids.	6111.03 (R), 6111.042	general authority	yes	no	yes
37 13 10 00	712	Silan	The director or an authorized representative shall notify the permittee in writing as to whether the site		general adminity	, es	110	763
			is authorized for the beneficial use of class B biosolids pursuant to the permittee's NPDES permit or					
3745-40-06	A3	shall	approved biosolids management plan.	6111.03 (R), 6111.042	general authority	yes	no	yes
3743 40 00	A3	Silali	Ohio EPA shall maintain a map that includes each site authorized for the beneficial use of class B	0111.03 (N), 0111.042	general authority	yes	110	yes
3745-40-06	A4	shall	biosolids and make the map available on Ohio EPA's website.	6111.03 (R), 6111.042	general authority	yes	no	yes
3743 40 00	714	Silan	Biosolids shall be beneficially used at a site in accordance with this chapter, the permittee's NPDES	0111.05 (11), 0111.042	general dutiloney	yes	110	yes
			permit or approved biosolids management plan, and the conditions stated in the notice of authorization	n				
3745-40-06	R	shall	of the specific beneficial use site.	6111.03 (R), 6111.042	general authority	yes	no	no
3743 40 00		Silan	Authorization to beneficially use biosolids at a site shall be valid for only the treatment works that are	0111.03 (11), 0111.042	general dutiloney	yes	110	110
			owned by the same permittee who signs the beneficial use site authorization application form					
3745-40-06	C	shall	approved by the director.	6111.03 (R), 6111.042	general authority	yes	no	no
3743 40 00		Silali	Any permittee who wishes to transfer an authorized beneficial use site from one treatment works to	0111.03 (11), 0111.042	general dutiloney	yes	110	110
			another shall make the request in writing on forms approved by the director and obtain written notice					
			from the director or an authorized representative that the transfer is authorized prior to beneficial use					
3745-40-06	l <sub>D</sub>	shall	at the authorized beneficial use site	6111.03 (R), 6111.042	general authority	yes	no	no
37 13 10 00		Silan	at the dathonized periodical doc site	0111.03 (11), 0111.012	general dathoney	yes	110	
			Prior to amending the acreage for a currently authorized beneficial use site or reducing an isolation					
			distance from an occupied structure, a permittee shall request the change in writing on forms approved	1				
			by the director, provide additional information if requested by the director or an authorized					
			representative, and shall receive written notice from the director or an authorized representative that					
3745-40-06	F	shall	the amendment to the beneficial use site acreage or reduction of the isolation distance is authorized.	6111.03 (R), 6111.042	general authority	yes	no	no
		5.1.6.1		(.,,,	general statement,	,,,,,		- 115
			Prior to amending the acreage for a currently authorized beneficial use site or reducing an isolation					
			distance from an occupied structure, a permittee shall request the change in writing on forms approved	1				
			by the director, provide additional information if requested by the director or an authorized					
			representative, and shall receive written notice from the director or an authorized representative that					
3745-40-06	F	shall	the amendment to the beneficial use site acreage or reduction of the isolation distance is authorized.	6111.03 (R), 6111.042	general authority	yes	no	yes
3743 40 00		Silan	The permittee shall certify that prior to beneficial use, each authorized beneficial use site was evaluated.		general authority	yes	110	yes
3745-40-06	F	shall	for changes at or near the authorized beneficial use site.	6111.03 (R), 6111.042	general authority	yes	no	no
		5.1.6.1	Prior to the beneficial use of biosolids at an authorized beneficial use site, the permittee shall evaluate	0222100 (11)) 022210 12	Berner at a decirion cy	,,,,		
			the site for any changes that have occurred at the site or near the site that may affect the site					
3745-40-06	F1	shall	restrictions.	6111.03 (R), 6111.042	general authority	yes	no	no
3745-40-06	F1	shall	Changes to evaluate shall include, but not be limited to all of the following:	6111.03 (R), 6111.042	general authority	yes	no	no
		5.1411	If no changes have occurred at or near the authorized beneficial use site since the site was authorized,	1-11.00 ()) 0111.042	g-read data of the	, 63		
			the permittee shall certify that no changes were made on the annual sludge report or other report					
3745-40-06	F2	shall	specified by Ohio EPA.	6111.03 (R), 6111.042	general authority	yes	no	no
		3.10.1			5	100		
			If any changes have occurred at or near the authorized beneficial use site since the site was authorized,					
			the permittee shall comply with the applicable site restrictions in this chapter of the Administrative					
3745-40-06	F3	shall	Code and report the changes on the annual sludge report or other report specified by Ohio EPA.	6111.03 (R), 6111.042	general authority	yes	no	no
	1	15.1011	1		0	1100	1:	I <del>.</del>

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			The beneficial use site information required by the notice of beneficial use site application forms					
3745-40-06	A1bv	require	including, but not limited to all of the following:	6111.03 (R), 6111.042	general authority	yes	no	no
			Biosolids shall be stored in a manner that is protective of human health and the environment and shall		State required 6111.03			
3745-40-07	A	shall	not impact waters of the state or create nuisance odors.	6111.03 (R), 6111.042	(R)(1)(E)	yes	yes	no
			Biosolids shall be stored in a manner that is protective of human health and the environment and shall		State required 6111.03			
3745-40-07	Α	shall not	not impact waters of the state or create nuisance odors.	6111.03 (R), 6111.042	(R)(1)(E)	yes	yes	no
			Except as provided in rule 3745-40-10 of the Administrative Code, no person shall store class B biosolid	s				
			at a site that has not been authorized by the director or an authorized representative for beneficial use					
3745-40-07	С	shall	in accordance with rule 3745-40-06 of the Administrative Code.	6111.03 (R), 6111.042	general authority	yes	no	no
			The isolation distances listed in table D-1 of this rule shall be maintained for the field storage of class B					
3745-40-07	D1	shall	and bulk exceptional quality biosolids.	6111.03 (R), 6111.042	general authority	yes	no	no
			Table D-1: Isolation distance requirements that shall be maintained from the location of class B and bul	k				
3745-40-07	D1 Table	shall	exceptional quality biosolids.	6111.03 (R), 6111.042	general authority	yes	no	no
					0	, , ,		
3745-40-07	D2	shall	A request for an isolation distance reduction shall be made on forms approved by the director.	6111.03 (R), 6111.042	general authority	yes	no	no
<u> </u>	52	Silan	In addition to the isolation distance requirements in table D-1 of this rule, no person shall store class B	0111100 (1.1)) 011110 11	general additionet,	,,,,	110	110
3745-40-07	D3	shall	biosolids in any of the following ways:	6111.03 (R), 6111.042	general authority	yes	no	no
J. 15 70 07		Juli	Within the sanitary isolation distance a public water system shall maintain for a drinking water supply	0111.03 (11), 0111.042	Desired additiontly	y C S	110	110
3745-40-07	D3ai	shall	well as established in rule 3745-9-04 of the Administrative Code.	6111.03 (R), 6111.042	general authority	yes	no	no
3743-40-07	DSai	Silali	Well as established in fule 3743-9-04 of the Administrative Code.	0111.03 (N), 0111.042	general authority	yes	110	110
			The inner management zone, if the drinking water course protection area is underlain by least as					
			The inner management zone; if the drinking water source protection area is underlain by karst or					
2745 40 07	D2 T-b1-	ala a II	fractured bedrock and has been determined to be highly susceptible to contamination, the setback sha		and and and and			
3745-40-07	D2 Table	shall	be extended to include the entire drinking water source protection area.	6111.03 (R), 6111.042	general authority	yes	no	no
			Where no emergency management zone has been delineated or endorsed by the Ohio environmental					
			protection agency, the isolation distance shall consist of a circle with a radius of one thousand five					
3745-40-07	D3aiii	shall	hundred feet from the intake.	6111.03 (R), 6111.042	general authority	yes	no	no
			The maximum amount of class B or bulk exceptional quality biosolids to be delivered shall conform to					
3745-40-07	E	shall	both of the following:	6111.03 (R), 6111.042	general authority	yes	no	no
			For any beneficial use site, shall not exceed the amount required to meet the calculated agronomic rate					
3745-40-07	E1	shall not	for the beneficial use site and any contiguous beneficial use site.	6111.03 (R), 6111.042	general authority	yes	no	no
			For any land reclamation site, shall be in accordance with paragraph (B) of rule 3745-40-03 of the					
3745-40-07	E2	shall	Administrative Code.	6111.03 (R), 6111.042	general authority	yes	no	no
			A permit to install, in accordance with Chapter 3745-42 of the Administrative Code, shall be obtained					
3745-40-07	F1	shall	from the director prior to storage of liquid biosolids.	6111.03 (R), 6111.042	general authority	yes	no	no
			The field storage of class B or bulk exceptional quality biosolids at any beneficial use site shall be in					
3745-40-07	F2	shall	accordance with table F-1 of this rule.	6111.03 (R), 6111.042	general authority	yes	no	no
			For class B or bulk exceptional quality biosolids stored at a beneficial use site, the date of first delivery					
			of the biosolids to the beneficial use site and the date that beneficial use of the biosolids is completed					
3745-40-07	F3	shall	shall be recorded.	6111.03 (R), 6111.042	general authority	yes	no	no
			Surface water diversions and other best management practices shall be utilized when there is field					
3745-40-07	F4	shall	storage of class B or bulk exceptional quality biosolids at any beneficial use site.	6111.03 (R), 6111.042	general authority	yes	no	no
			If biosolids cannot be beneficially used within ninety days after delivery to the beneficial use site, the					
			biosolids shall be returned to the treatment works at which the biosolids were generated, taken to a					
			landfill for disposal, taken to another treatment works or regional storage facility provided said					
			treatment works or regional storage facility has an NPDES permit for the treatment, storage, transfer o	r				
			disposal of biosolids, or taken to another beneficial use site where the biosolids shall be beneficially					
3745-40-07	F5	shall	used the same day that the biosolids were removed from the previous beneficial use site.	6111.03 (R), 6111.042	general authority	yes	no	no
	1.5	5	The second secon		0	100		
			If biosolids cannot be beneficially used within ninety days after delivery to the beneficial use site, the					
			biosolids shall be returned to the treatment works at which the biosolids were generated, taken to a					
			landfill for disposal, taken to another treatment works or regional storage facility provided said					
				r				
			treatment works or regional storage facility has an NPDES permit for the treatment, storage, transfer o	1				
2745 40 07		ah s II	disposal of biosolids, or taken to another beneficial use site where the biosolids shall be beneficially	C111 02 (D) C111 042	gan aval authority		m -	
3745-40-07	F5	shall	used the same day that the biosolids were removed from the previous beneficial use site.	6111.03 (R), 6111.042	general authority	yes	no	no
2745 42 27	61		A permit to install, in accordance with Chapter 3745-42 of the Administrative Code, shall be obtained	6444 00 (0) 6111 515				
3745-40-07	G1	shall	from the director prior to the construction of a regional storage facility.	6111.03 (R), 6111.042	general authority	yes	no	no

3745-40-07	G2	shall	An NPDES permit shall be obtained prior to any treatment of biosolids at a regional storage facility.	6111.03 (R), 6111.042	general authority	yes	no	no
3745-40-07	G3	shall	No person shall take any of the following actions:	6111.03 (R), 6111.042	general authority	yes	no	no
			For any beneficial use site, shall not exceed the amount required to meet the calculated agronomic rate					
3745-40-07	E1	require		6111.03 (R), 6111.042	general authority	yes	no	no
		i i						
			A regional storage facility is required when class B or bulk exceptional quality biosolids will be stored for					
3745-40-07	G	require		6111.03 (R), 6111.042	general authority	yes	no	no
			Require other measures to protect public health and the environment, or to minimize the creation of	(.,,,	State required 6111.03	7-2-	1.2	
3745-40-07	нз	require		6111.03 (R), 6111.042	(R)(1)(E)	yes	yes	no
77 13 10 07	113	require	If utilizing vector attraction reduction options nine (VAR-9) or ten (VAR-10), the field storage of class B	0111.03 (17), 0111.0 12	(11)(2)(2)	763	763	
3745-40-07	R	prohibit		6111.03 (R), 6111.042	general authority	yes	no	no
3745-40-07	F1 Table	prohibit	The field storage of biosolids for more than ninety days is prohibited.	6111.03 (R), 6111.042	general authority	yes	no	no
3745-40-07	H2	prohibit	Prohibit the storage of biosolids at a beneficial use site or regional storage facility.	6111.03 (R), 6111.042	general authority	yes	no	no
5743-40-07	ПZ	prombit	Any biosolids distributed for beneficial use (e.g. for landscaping or gardening) shall be exceptional	0111.03 (N), 0111.042	general authority	yes	110	110
745 40 00	A.1	ah all		C111 02 (D) C111 042	fodoral required	110		
3745-40-08	A1	shall	quality biosolids, as defined in rule 3745-40-04 of the Administrative Code.	6111.03 (R), 6111.042	federal required 40 CFR 503	3.10 yes	yes	no
			5					
			Except as provided in paragraphs (A)(3) and (A)(7) of this rule, class B or bulk exceptional quality	(2)				
3745-40-08	A2	shall		6111.03 (R), 6111.042	general authority	yes	no	no
			The agronomic rate shall be calculated prior to beneficial use and be the most limiting factor derived					
3745-40-08	A2	shall		6111.03 (R), 6111.042	general authority	yes	no	no
			No additional phosphate application shall be made at the beneficial use site for a minimum of three					
3745-40-08	A2aiiia	shall		6111.03 (R), 6111.042	general authority	yes	no	no
			For soils with soil phosphorus test results greater than one hundred parts per million Bray-Kurtz P1					
			extraction or one hundred thirty parts per million Mehlich III extraction, beneficial use shall be					
3745-40-08	A2c	shall	completed in accordance with the phosphorus index.	6111.03 (R), 6111.042	general authority	yes	no	no
			Except as provided in paragraph (A)(2)(a)(iii) of this rule, the phosphate agronomic rate shall be limited					
3745-40-08	A4	shall	to two hundred fifty pounds per acre.	6111.03 (R), 6111.042	general authority	yes	no	no
			For all beneficial use sites, the agronomic rate calculations shall include all sources of nitrogen and					
			phosphate such as commercial fertilizer or manure in addition to class B or bulk exceptional quality					
3745-40-08	A5	shall		6111.03 (R), 6111.042	general authority	yes	no	no
			The beneficial use of liquid class B or bulk exceptional quality biosolids shall be at or below the		,	,		
			agronomic rate for the reasonably expected yield goal of planned crops or crop rotation, or at or below					
			the available water capacity of the upper eight inches of soil, whichever is less at the time of beneficial					
3745-40-08	A6	shall		6111.03 (R), 6111.042	general authority	yes	no	no
77-10-00	7.0	Silaii	No person shall beneficially use biosolids if the concentration of any pollutant in the biosolids exceeds	0111.05 (N), 0111.042	general authority	yes	110	110
			the ceiling concentration limits for the pollutants established in rule 3745-40-04 of the Administrative					
3745-40-08	D1	shall		6111 02 (D) 6111 042	federal required 40 CFR 503	112	V05	20
0/43-40-00	B1	Sildii	Code.  No person shall beneficially use class B or bulk exceptional quality biosolids on frozen or snow-covered	6111.03 (R), 6111.042	·	3.13 yes	yes	no
745 40 00	D2-!!	ah all	· · · · · · · · · · · · · · · · · · ·	C111 02 (D) C111 042	state required - ORC			
3745-40-08	B2aii	shall		6111.03 (R), 6111.042	6111.03 (J)(1)	yes	yes	no
			No person shall beneficially use class B or bulk exceptional quality biosolids on the surface of a					
3745-40-08	B3	shall	·	6111.03 (R), 6111.042	general authority	yes	no	no
			Except as provided in paragraph (B)(4)(b) of this rule, no person shall beneficially use class B or bulk					
			exceptional quality biosolids during a precipitation event, or when the forecast indicates that there is at					
			least a fifty per cent chance that 0.5 inches of rain will occur within twenty-four hours after beneficial					
3745-40-08	B4a	shall	use.	6111.03 (R), 6111.042	general authority	yes	no	no
			The forecast consulted shall be for the municipality nearest where the beneficial use site is located and					
3745-40-08	B4a	shall	shall be printed out or otherwise recorded and kept on file for each beneficial use event.	6111.03 (R), 6111.042	general authority	yes	no	no
			The forecast consulted shall be for the municipality nearest where the beneficial use site is located and					
3745-40-08	B4a	shall	·	6111.03 (R), 6111.042	general authority	yes	no	no
			Except as provided in paragraphs (B)(5)(b) to (B)(5)(b)(ii) of this rule, no person shall beneficially use					
			class B or bulk exceptional quality biosolids during a precipitation event or when the forecast indicates					
			that there is at least a fifty per cent chance that 0.25 inches of rain will occur within twenty-four hours					
3745-40-08	B5a	shall	·	6111.03 (R), 6111.042	general authority	yes	no	no
	550	Silan		1=12.00 (/) 0111.042	3	,	1.0	110
			The forecast consulted shall be for the municipality nearest where the beneficial use site is located and					
3745-40-08	B5a	shall	, ,	6111.03 (R), 6111.042	general authority	yes	no	no
		icriali	isuali de dicideo dul or diderwise recordeo ano kent on tile for each neneticial lise event	10 1 1 1 US 1K1 6 1 1 1 U4/	iveneral allinorus/	IVES	111(1	ina

		1		T	T	1		
			The forecast consulted shall be for the municipality pearest where the baneficial use site is located and					
2745 40 00	D.C	-111	The forecast consulted shall be for the municipality nearest where the beneficial use site is located and	6111.03 (R), 6111.042	gan and authority			
3745-40-08	B5a	shall	shall be printed out or otherwise recorded and kept on file for each beneficial use event.	6111.03 (R), 6111.042	general authority	yes	no	no
			No person shall beneficially use class B or bulk exceptional quality biosolids if such beneficial use is					
			likely to adversely affect a threatened or endangered species listed under section four of the					
2745 40 00	200	.111	Endangered Species Act or pursuant to section 1531.25 of the Revised Code or the species' designated	C111 02 (B) C111 012	for to refer to the day of the control of the contr			
3745-40-08	B6	shall	critical habitat.	6111.03 (R), 6111.042	federal required 40 CFR 503.14	yes	yes	no
		l	Except as provided in paragraph (C)(2) of this rule, no person shall beneficially use class B or bulk	(2)	general authority and			
3745-40-08	C1	shall	exceptional quality biosolids within the following isolation distances listed in table C-1 of this rule.	6111.03 (R), 6111.042	federal required 40 CFR 503.14	yes	yes	no
3745-40-08	C2	shall	No person shall beneficially use class B biosolids in any of the following areas:	6111.03 (R), 6111.042	general authority	yes	no	no
		l	Within the sanitary isolation distance a public water system shall maintain for a drinking water supply	(2)				
3745-40-08	C2a	shall	well, as established in rule 3745-9-04 of the Administrative Code.	6111.03 (R), 6111.042	general authority	yes	no	no
			Where no emergency management zone has been delineated or endorsed by the Ohio environmental					
			protection agency, the isolation distance shall consist of a circle with a radius of one thousand five					
3745-40-08	C2b	shall	hundred feet from the intake.	6111.03 (R), 6111.042	general authority	yes	no	no
			The inner management zone; if the drinking water source protection area is underlain by karst or					
			fractured bedrock and has been determined to be highly susceptible to contamination, the setback shall					
3745-40-08	Table C2	shall	be extended to include the entire drinking water source protection area	6111.03 (R), 6111.042	general authority	yes	no	no
3745-40-08	C3	shall	A request for an isolation distance reduction shall be made on forms approved by the director.	6111.03 (R), 6111.042	general authority	yes	no	no
			Any person who beneficially uses class B or bulk exceptional quality biosolids shall meet the following					
3745-40-08	D	shall	site specific requirements, as applicable:	6111.03 (R), 6111.042	general authority	yes	no	no
			No person shall beneficially use class B or bulk exceptional quality biosolids at a beneficial use site that					
			is frequently flooded, as defined in rule 3745-40-01 of the Administrative Code, so that the class B or					
			bulk exceptional quality biosolids enter surface waters of the state, except as provided in an NPDES					
3745-40-08	D1	shall	permit issued under Chapter 6111. of the Revised Code.	6111.03 (R), 6111.042	general authority	yes	no	no
			Beneficial use of class B or bulk exceptional quality biosolids at a beneficial use site shall be limited to					
			same day incorporation or injection on areas of beneficial use sites that are frequently flooded during					
3745-40-08	D1	shall	periods when flooding is expected.	6111.03 (R), 6111.042	general authority	yes	no	no
			. No person shall beneficially use class B or bulk exceptional quality biosolids at food crop, feed crop,					
			fiber crop, or cover crop land over fifteen per cent slope or at pasture land or vegetation land over					
3745-40-08	D2	shall	twenty per cent slope unless one of the following activities is performed:	6111.03 (R), 6111.042	general authority	yes	no	no
			If soil monitoring results for either soil phosphorus or soil pH are more than three years old, the soil					
			shall be retested prior to the class B or bulk exceptional quality biosolids being delivered to a beneficial					
3745-40-08	D3	shall	use site for beneficial use.	6111.03 (R), 6111.042	general authority	yes	no	no
3745-40-08	D3	shall	Composite soil samples shall be taken for both of the following	6111.03 (R), 6111.042	general authority	yes	no	no
			Prior to the beneficial use of class B or bulk exceptional quality biosolids, the soil phosphorus level shall					
3745-40-08	D3a	shall	be monitored utilizing either the Bray-Kurtz P1 extraction or Mehlich III extraction method.	6111.03 (R), 6111.042	general authority	yes	no	no
3745-40-08	D3b	shall	Minimum soil pH for the beneficial use of class B biosolids shall be 5.5.	6111.03 (R), 6111.042	general authority	yes	no	no
			If the soil pH at a beneficial use site is less than 5.5, sufficient liming material shall be added such that					
3745-40-08	D3b	shall	the class B biosolids and soil mixture pH is calculated to reach 5.5 or greater.	6111.03 (R), 6111.042	general authority	yes	no	no
			If soil samples are required by paragraph (D)(3) of this rule, the samples shall be taken in accordance					
3745-40-08	D4	shall	with the following requirements	6111.03 (R), 6111.042	general authority	yes	no	no
			A composite sample shall represent fifteen to twenty acres of area that is uniform in soil series, slope,	, ,,				
3745-40-08	D4a	shall	drainage, erosion, and nutrient application (including biosolids).	6111.03 (R), 6111.042	general authority	yes	no	no
			Soil grab samples shall be taken seventy-five to one hundred feet apart with a minimum of fifteen grab	, ,,				
3745-40-08	D4b	shall	samples in a composite sample.	6111.03 (R), 6111.042	general authority	yes	no	no
	-			( ), -	,	1		
			Low spots or other unusual areas such as biosolids or liming material stockpiling areas, and fertilizer					
3745-40-08	D4c	shall	spills shall not be included in composite samples and shall be sampled separately.	6111.03 (R), 6111.042	general authority	yes	no	no
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	- :•	3		(),	<u> </u>	,		+
			Low spots or other unusual areas such as biosolids or liming material stockpiling areas, and fertilizer					
3745-40-08	D4d	shall not	spills shall not be included in composite samples and shall be sampled separately.	6111.03 (R), 6111.042	general authority	yes	no	no
3745-40-08	D4e	shall	For row crops, samples shall be taken between rows.	6111.03 (R), 6111.042	general authority	yes	no	no
37 13 70 00	15.10	Jilali	1. C. Torri Gropa) surripres sharr be taken between rows.	0111.07Z	Description of the second of t	1,00		

				T				
27.5 40.00	2.46		For establishing grass pasture crops, samples shall be collected to the rooting zone (three to four	5111 00 (0) 5111 010				
3745-40-08	D4f	shall	inches).	6111.03 (R), 6111.042	general authority	yes	no	no
2745 40 00				C111 02 (B) C111 012	and the state of			
3745-40-08	D4g	shall	All grab samples shall be broken up and mixed thoroughly before the sample is composited.	6111.03 (R), 6111.042	general authority	yes	no	no
2745 40 00	D4h	ch all	Sail camples callected to analyze for sail phosphorys shall be callected prior to spring planting	6111 02 (D) 6111 042	general authority	voc.		
3745-40-08	D4h	shall	Soil samples collected to analyze for soil phosphorus shall be collected prior to spring planting.	6111.03 (R), 6111.042	general authority	yes	no	no
			For homeficial was sites with subsymbols till drainage all field autlate shall be visually manitaged before					
			For beneficial use sites with subsurface tile drainage, all field outlets shall be visually monitored before,					
3745-40-08	DEa	ah all	during and after beneficial use of liquid class B or liquid bulk exceptional quality biosolids at the	C111 02 (D) C111 042	gan aval authority			
3745-40-08	D5a	shall	beneficial use site and the results of that monitoring shall be recorded.	6111.03 (R), 6111.042	general authority	yes	no	no
			For honoficial use sites with subsurface tile drainage, all field outlets shall be visually monitored before					
			For beneficial use sites with subsurface tile drainage, all field outlets shall be visually monitored before, during and after beneficial use of liquid class B or liquid bulk exceptional quality biosolids at the					
3745-40-08	D5a	shall	beneficial use site and the results of that monitoring shall be recorded.	6111.03 (R), 6111.042	general authority	Vec	no	no
3743-40-06	DJa	Silali	Daily visual monitoring shall continue until biosolids are assimilated into the beneficial use site and are	0111.03 (N), 0111.042	general authority	yes	no	no
3745-40-08	DEa	chall		6111 02 (D) 6111 042	general authority	vos	200	
3745-40-08	D5a D5a	shall shall	no longer likely to discharge to waters of the state.  . Methods or devices to stop or capture subsurface drain flow shall be accessible.	6111.03 (R), 6111.042 6111.03 (R), 6111.042	general authority	yes yes	no no	no no
3745-40-06	DSa	Sildii	If liquid class B or liquid bulk exceptional quality biosolids reach the subsurface drain outlet to surface	0111.03 (N), 0111.042	general authority	yes	110	110
			waters of the state, the beneficial use of liquid biosolids shall cease and the flow shall be stopped or					
3745-40-08	D5a	shall		6111.03 (R), 6111.042	general authority	vos	no	no
3743-40-08	DJa	Silali	captured.  If liquid class B or liquid bulk exceptional quality biosolids reach the subsurface drain outlet to surface	0111.03 (N), 0111.042	general authority	yes	no	no
			waters of the state, the beneficial use of liquid biosolids shall cease and the flow shall be stopped or					
3745-40-08	D5a	shall	captured.	6111.03 (R), 6111.042	general authority	Vec	no	no
3745-40-08	D5a D5a	shall	Use of drain outlet plugs or other devices shall be recorded.	6111.03 (R), 6111.042	general authority	yes ves	no	no
3743-40-08	DJa	Silali	For beneficial use of liquid class B or liquid bulk exceptional quality biosolids at beneficial use sites with	0111.03 (N), 0111.042	general authority	yes	110	110
3745-40-08	D5b	shall	subsurface tile drainage, all of the following criteria shall be followed:	6111.03 (R), 6111.042	general authority	yes	no	no
3743-40-08	D30	Silali	Beneficial use rates shall be less than or equal to 0.5 inches or thirteen thousand gallons per acre per	0111.03 (N), 0111.042	general authority	yes	110	110
3745-40-08	D5bi	shall	beneficial use event.	6111.03 (R), 6111.042	general authority	yes	no	no
3743-40-08	D301	Silali	A tool shall be used that can disrupt or close the preferential flow paths in the soil using horizontal	0111.03 (N), 0111.042	general authority	ycs		110
			fracturing, or the surface of the soil shall be tilled three to five inches deep to a seedbed condition to					
			soak up the liquid class B or liquid bulk exceptional quality biosolids and keep it out of preferential flow					
3745-40-08	D5bii	shall	channels.	6111.03 (R), 6111.042	general authority	yes	no	no
3743 40 00	DJBII	Silan	A tool shall be used that can disrupt or close the preferential flow paths in the soil using horizontal	0111.03 (N), 0111.042	general authority	ycs		110
			fracturing, or the surface of the soil shall be tilled three to five inches deep to a seedbed condition to					
			soak up the liquid class B or liquid bulk exceptional quality biosolids and keep it out of preferential flow					
3745-40-08	D5bii	shall	channels.	6111.03 (R), 6111.042	general authority	yes	no	no
3743 40 00	D3011	Silan	If injection is used, liquid class B or liquid bulk exceptional quality biosolids shall only be injected deep	0111:05 (N), 0111:042	general authority	yes		110
3745-40-08	D5biii	shall	enough to cover the biosolids with soil.	6111.03 (R), 6111.042	general authority	yes	no	no
07.10.10.00		511411	The soil shall be tilled at least three inches below the depth of injection prior to or at the time of	0111100 (11), 011110 11	general additional,	700		
3745-40-08	D5biii	shall	beneficial use.	6111.03 (R), 6111.042	general authority	yes	no	no
					general dament,	7-2		110
			A standard operating procedure shall be developed by the beneficial user or permittee for beneficial					
3745-40-08	D5c	shall	use sites with tile drainage to address paragraphs (D)(4)(a) and (D)(4)(b) of this rule.	6111.03 (R), 6111.042	general authority	yes	no	no
			Food crops with harvested parts that touch the biosolids or soil mixture and are on the surface of the		0	/		
			authorized beneficial use site shall not be harvested for fourteen months after the beneficial use of					
3745-40-08	E1	shall not	class B biosolids.	6111.03 (R), 6111.042	federal required 40 CFR 503.3	2 yes	yes	no
			Food crops with harvested parts below the surface of the authorized beneficial use site shall not be			/		
			harvested for twenty months after the beneficial use of class B biosolids when the biosolids remained					
			on the surface of the authorized beneficial use site for four months or longer prior to incorporation into					
3745-40-08	E2	shall not	the soil.	6111.03 (R), 6111.042	federal required 40 CFR 503.3	2 yes	yes	no
			Food crops with harvested parts below the surface of the authorized beneficial use site shall not be	( //		,		
			harvested for thirty-eight months after the beneficial use of class B biosolids when the class B biosolids					
			remained on the surface of the authorized beneficial use site for less than four months prior to					
3745-40-08	E3	shall not	incorporation into the soil.	6111.03 (R), 6111.042	federal required 40 CFR 503.3	2 yes	yes	no
			All other food crops, feed crops, and fiber crops shall not be harvested for thirty days after the	( ),				-
3745-40-08	E4	shall not	beneficial use of class B biosolids.	6111.03 (R), 6111.042	federal required 40 CFR 503.3	2 yes	yes	no
			Animals shall not be allowed to graze on the authorized beneficial use site for thirty days after the	· · · · · ·			<u></u>	
3745-40-08	E5	shall not	beneficial use of class B biosolids.	6111.03 (R), 6111.042	federal required 40 CFR 503.3	2 yes	yes	no
-			1	,	, , , , , , , , , , , , , , , , , , , ,	1.		1

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			Total and the control of the control						
			Turf or other vegetation grown for landscaping purposes that is grown on an authorized beneficial use site where class B biosolids are beneficially used shall not be harvested for one year after the beneficial						
			use of class B biosolids when the harvested turf or other vegetation is placed on either land with a high						
2745 40 00	FC	ala all in ad		6111.03 (R), 6111.042	fodoral roguirod	40 CED E03 33			
3745-40-08	E6	shall not	potential for public exposure or a lawn, unless otherwise specified by the director.	\ //	federal required	40 CFR 503.32	yes	yes	no
2745 40 00		.111	Public access to a high potential public exposure site shall be restricted for one year after the beneficial		C. I. al and the stand	40 050 502 22			
3745-40-08	E7	shall	use of class B biosolids.	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
			Public access to a low potential public exposure site shall be restricted for thirty days after the	(2)					
3745-40-08	E8	shall	beneficial use of class B biosolids.	6111.03 (R), 6111.042	federal required	40 CFR 503.32	yes	yes	no
			Drag hoses and mobile storage tanks shall not be utilized at authorized beneficial use sites until a						
2745 40 00	-10		standard operating procedure has been developed under paragraph (C) of rule 3745-40-09 of the	C111 00 (D) C111 010	1 .1 .1				
3745-40-08	E10	shall not	Administrative Code and a permit to install, if applicable, is obtained.	6111.03 (R), 6111.042	general authority		yes	no	no
			If soil samples are required by paragraph (D)(3) of this rule, the samples shall be taken in accordance	(2)					
3745-40-08	D4	require	with the following requirements:	6111.03 (R), 6111.042	general authority		yes	no	no
			The mixing of class B biosolids from different treatment works at an authorized beneficial use site is						
3745-40-08	E9	prohibit	prohibited, unless in accordance with paragraph (C) of rule 3745-40-06 of the Administrative Code.	6111.03 (R), 6111.042	general authority		yes	no	no
			Except as provided in paragraph (A)(2) of this rule, a permittee shall collect and analyze, as applicable,						
			representative samples of biosolids in accordance with table A-1 of this rule, or any other method as						
3745-40-09	A1	shall	approved under 40 C.F.R. 503.	6111.03 (R), 6111.042	federally regired	40 CFR 503.8	yes	yes	no
			The following methods or methods listed in 40 C.F.R. Part 136 shall be used to analyze samples of						
3745-40-09	A1	shall	biosolids and are adopted by reference in this chapter.	6111.03 (R), 6111.042	federally regired	40 CFR 503.8	yes	yes	no
			For any NPDES permit issued by the director, monitoring frequencies shall be in accordance with this						
3745-40-09	В	shall	paragraph	6111.03 (R), 6111.042	federally regired	40 CFR 503.16	yes	yes	no
			Each day when sewage sludge or biosolids are removed from the treatment works for disposal, a						
			representative composite sample of the sewage sludge or biosolids, as applicable, shall be collected and						
3745-40-09	B1a	shall	analyzed for total solids.	6111.03 (R), 6111.042	general authority		yes	no	no
			Each day when biosolids are removed from the treatment works for beneficial use, a representative						
3745-40-09	B1b	shall	composite sample of the biosolids shall be collected and analyzed for total solids.	6111.03 (R), 6111.042	general authority		yes	no	no
			Each day when sewage sludge or biosolids are transferred to another treatment works, the total volume	9					
3745-40-09	B2	shall	of sewage sludge or biosolids removed for transfer shall be documented.	6111.03 (R), 6111.042	general authority		yes	no	no
			To ensure that pathogen reduction requirements are met prior to beneficial use, monitoring shall occur						
3745-40-09	В3	shall	for pathogen reduction prior to beneficial use.	6111.03 (R), 6111.042	federally regired	40 CFR 503	yes	yes	no
			Monitoring for pathogen reduction shall be performed as necessary to show compliance with all						
3745-40-09	ВЗа	shall	processing requirements and, at a minimum, in accordance with table B-1 of this rule.	6111.03 (R), 6111.042	federally required	40 CFR 503.7	yes	yes	no
			If beneficial use does not occur in a reporting period, the number of samples collected and reported for						
			pathogen reduction shall be increased during the next beneficial use event to include the missed						
			monitoring periods, unless all previously accumulated sewage sludge has been removed and disposed						
3745-40-09	B3b	shall	of via a landfill, though incineration or by transfer to another treatment works.	6111.03 (R), 6111.042	general authority		yes	no	no
			To ensure that vector attraction requirements are met prior to beneficial use, monitoring shall occur for		,		,		
3745-40-09	B4	shall	vector attraction reduction prior to beneficial use.	6111.03 (R), 6111.042	federally required	40 CFR 503.7	yes	yes	no
					, , , , , , , , , , , , , , , , , , , ,		,	7-2	
			Monitoring for vector attraction reduction shall be performed as necessary to show compliance with all						
3745-40-09	B4a	shall	processing requirements and, at a minimum, in accordance with table B-1 of this rule.	6111.03 (R), 6111.042	federally required	40 CFR 503.7	yes	yes	no
37 13 10 03	5.0	511411	The following is a list of parameters that shall be monitored for prior to beneficial use in accordance	0111.00 (11), 0111.0 12	federally required and	10 01 11 303.7	763	763	
3745-40-09	B5a	shall	with the frequencies in table B-1 of this rule:	6111.03 (R), 6111.042	general authority	40 CFR 503.13	yes	yes	no
3, 43 40 03	550	Silali	man are requeriors in table b 1 of this fale.	0111.03 (11/), 0111.042	beneful dutilonty	10 CI II 303.13	,	yes	iiio
			For any NPDES permit or biosolids management plan issued by the director, minimum frequency of		federally required and				
3745-40-09	BEP	shall	monitoring for metals and nutrients shall be in accordance with table B-1 of this rule.	6111.03 (R), 6111.042	general authority	41 CFR 503.16	VAS	VAS	no
3/43-40-09	B5b	Stidil	•	U111.U3 (N), 0111.U42	general authority	41 CFK 3U3.10	yes	yes	no
			This monitoring shall occur even if beneficial use does not occur during a reporting period, or the						
			number of samples collected and reported shall be increased prior to the next beneficial use event to						
			account for the reporting period in which beneficial use did not occur, unless all previously accumulated	'					
2745 40 55	251		sewage sludge has been removed and disposed of via a landfill, through incineration or by transfer to	6444 00 (0) 5111 515					
3745-40-09	B5b	shall	another treatment works.	6111.03 (R), 6111.042	general authority		yes	no	no

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			This monitoring shall occur even if beneficial use does not occur during a reporting period, or the						
			number of samples collected and reported shall be increased prior to the next beneficial use event to						
			account for the reporting period in which beneficial use did not occur, unless all previously accumulated	1					
			sewage sludge has been removed and disposed of via a landfill, through incineration or by transfer to						
3745-40-09	B5b	shall	another treatment works.	6111.03 (R), 6111.042	general authority		yes	no	no
			For any NPDES permit or biosolids management plan issued by the director that does not include						
			sampling requirements for total phosphorus or total potassium, the minimum frequency of monitoring						
3745-40-09	B5c	shall	for total phosphorus or total potassium shall be in accordance with table B-1 of this rule.	6111.03 (R), 6111.042	general authority		yes	no	no
			If monitoring for dioxin is required, the treatment works shall monitor for dioxin in sewage sludge, such	, ,,	0		7		
3745-40-09	B6b	shall	that all of the following requirements are met:	6111.03 (R), 6111.042	general authority		yes	no	no
07.10.10.03		5.14.1	The 2, 3, 7, 8-TCDD total toxicity equivalence of the dioxin in sewage sludge, calculated from the twenty	( //	Berrerar authority		7 00		
			nine dioxin congeners defined in rule 3745-40-01 of the Administrative Code, shall be reported as part						
3745-40-09	B6biii	shall	of the permittee's monthly operating report.	6111.03 (R), 6111.042	general authority		yes	no	no
3743-40-03	Bobin	Silali	or the permittee's monthly operating report.	0111.03 (N), 0111.042	general authority		yes	110	110
			All dioxin in sewage sludge monitoring results shall be retained by the permittee for a minimum of five						
2745 40 00	DCF:	-111		C111 02 (D) C111 042	annoval authoritu				
3745-40-09	B6biv	shall	years and shall be submitted to the Ohio environmental protection agency upon request.	6111.03 (R), 6111.042	general authority		yes	no	no
			All districts in account about a marginal control to the best file of the control						
			All dioxin in sewage sludge monitoring results shall be retained by the permittee for a minimum of five						
3745-40-09	B6biv	shall	years and shall be submitted to the Ohio environmental protection agency upon request.	6111.03 (R), 6111.042	general authority		yes	no	no
3745-40-09	B6biv	shall	The results shall include all of the following:	6111.03 (R), 6111.042	general authority		yes	no	no
3745-40-09	B6bv	shall	Both of the following analytical methods shall be used for the analysis of dioxin in sewage sludge:	6111.03 (R), 6111.042	general authority		yes	no	no
			United States environmental protection agency method number 1613B, 1994 shall be used for the						
			seven 2, 3, 7, 8 chlorinated dibenzo-p-dioxin congeners and ten 2, 3, 7, 8 chlorinated dibenzofuran						
3745-40-09	B6bva	shall	congeners.	6111.03 (R), 6111.042	federally required	40 CFR 136	yes	yes	no
			United States environmental protection agency method number 1668A (U.S. EPA number 821/C-97-						
3745-40-09	B6bva	shall	005821/C-97-005) shall be used for the twelve coplanar polychlorinated biphenyl congeners.	6111.03 (R), 6111.042	general authority		yes	no	no
3745-40-09	B6bvi	shall	Non-detected values shall be reported as one half of the detection limit.	6111.03 (R), 6111.042	general authority		yes	no	no
			The toxicity equivalence factors (TEF) listed in table B-2 of this rule shall be used in the calculation of						
3745-40-09	B6bvii	shall	the 2, 3, 7, 8-TCDD total toxicity equivalence.	6111.03 (R), 6111.042	general authority		yes	no	no
			If the sample shows results above three hundred parts per trillion total toxicity equivalence, all		0		,		
3745-40-09	B6bviii	shall	beneficial use or distribution of the biosolids shall cease.	6111.03 (R), 6111.042	general authority		yes	no	no
07.10.10.00	2001	5.14.1		(.,), 011110 11	Berrerar authority		700		i.ie
			In addition to the recordkeeping requirements in rule 3745-40-04 of the Administrative Code, the						
			permittee who prepares exceptional quality biosolids for the purpose of beneficial use or distribution						
			shall develop the following information, shall retain the following information for a minimum of five						
			years at the treatment works, and shall make all of the following information available to the director of	r					
3745-40-09	C1	shall	an authorized representative upon request:	6111.03 (R), 6111.042	federally required	40 CFR 503.17	yes	yes	no
3743-40-03	CI	Silali	an authorized representative upon request.	0111.03 (N), 0111.042	rederally required	40 CH N 303.17	yes	yes	110
			In addition to the record/coning requirements in rule 27/15 40 04 of the Administrative Code, the						
			In addition to the recordkeeping requirements in rule 3745-40-04 of the Administrative Code, the						
			permittee who prepares exceptional quality biosolids for the purpose of beneficial use or distribution						
			shall develop the following information, shall retain the following information for a minimum of five						
			years at the treatment works, and shall make all of the following information available to the director of						
3745-40-09	C1	shall	an authorized representative upon request:	6111.03 (R), 6111.042	federally required	40 CFR 503.17	yes	yes	no
			In addition to the recordkeeping requirements in rule 3745-40-04 of the Administrative Code, the						
			permittee who prepares exceptional quality biosolids for the purpose of beneficial use or distribution						
			shall develop the following information, shall retain the following information for a minimum of five						
			years at the treatment works, and shall make all of the following information available to the director of	r					
3745-40-09	C1	shall	an authorized representative upon request:	6111.03 (R), 6111.042	federally required	40 CFR 503.17	yes	yes	no
3745-40-09	C1c	shall	The standard operating procedure shall include the following, at a minimum, when applicable:	6111.03 (R), 6111.042	federally required	40 CFR 503.17	yes	yes	no
			The person who beneficially uses bulk exceptional quality biosolids shall develop the following						
			information, shall retain the following information for a minimum of five years, and shall make all of the						
3745-40-09	C2	shall	following information available to the director or an authorized representative upon request:	6111.03 (R), 6111.042	federally required	40 CFR 503.17	yes	yes	no
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			The necessary who happing in the constitution of a constitution of the shall develop the following						
			The person who beneficially uses bulk exceptional quality biosolids shall develop the following information, shall retain the following information for a minimum of five years, and shall make all of the						
3745-40-09	C2	shall	following information available to the director or an authorized representative upon request:	6111.03 (R), 6111.042	federally required	40 CFR 503.17	yes	yes	no
3743-40-09	C2	Silali	Tollowing information available to the director of an authorized representative upon request.	0111.03 (N), 0111.042	rederany required	40 CFR 303.17	yes	yes	110
			The person who beneficially uses bulk exceptional quality biosolids shall develop the following						
			information, shall retain the following information for a minimum of five years, and shall make all of the						
3745-40-09	C2	shall	following information available to the director or an authorized representative upon request:	6111.03 (R), 6111.042	federally required	40 CFR 503.17	yes	yes	no
			In addition to the recordkeeping requirements in rule 3745-40-04 of the Administrative Code, the						
			permittee who prepares class B biosolids for the purpose of beneficial use shall develop the following						
			information, shall retain the following information for a minimum of five years at the treatment works,						
			and shall make all of the following information available to the director or an authorized representative						
3745-40-09	C3	shall	upon request:	6111.03 (R), 6111.042	federally required	40 CFR 503.17	yes	yes	no
			In addition to the recordkeeping requirements in rule 3745-40-04 of the Administrative Code, the						
			permittee who prepares class B biosolids for the purpose of beneficial use shall develop the following						
			information, shall retain the following information for a minimum of five years at the treatment works,						
3745-40-09	СЗ	shall	and shall make all of the following information available to the director or an authorized representative upon request:	6111.03 (R), 6111.042	federally required	40 CFR 503.17	yes	VOC	200
3745-40-09	C3	Sildii	In addition to the recordkeeping requirements in rule 3745-40-04 of the Administrative Code, the	0111.03 (N), 0111.042	rederany required	40 CFR 505.17	yes	yes	no
			permittee who prepares class B biosolids for the purpose of beneficial use shall develop the following						
			information, shall retain the following information for a minimum of five years at the treatment works,						
			and shall make all of the following information available to the director or an authorized representative						
3745-40-09	СЗ	shall	upon request:	6111.03 (R), 6111.042	federally required	40 CFR 503.17	yes	yes	no
					, ,				
3745-40-09	C3c	shall	The standard operating procedure shall include all of the following at a minimum, when applicable:	6111.03 (R), 6111.042	federally required	40 CFR 503.17	yes	yes	no
			The person who beneficially uses class B biosolids shall develop the following information, shall retain						
			the following information for a minimum of five years, and shall make all of the following information						
3745-40-09	C4	shall	available to the director or an authorized representative upon request:	6111.03 (R), 6111.042	federally required	40 CFR 503.17	yes	yes	no
			The person who beneficially uses class B biosolids shall develop the following information, shall retain						
3745-40-09	C4	shall	the following information for a minimum of five years, and shall make all of the following information	C111 02 (D) C111 042	fodovally vogy ivod	40 CFR 503.17			
3745-40-09	C4	Sildii	available to the director or an authorized representative upon request:	6111.03 (R), 6111.042	federally required	40 CFR 303.17	yes	yes	no
			The person who beneficially uses class B biosolids shall develop the following information, shall retain						
			the following information for a minimum of five years, and shall make all of the following information						
3745-40-09	C4	shall	available to the director or an authorized representative upon request:	6111.03 (R), 6111.042	federally required	40 CFR 503.17	yes	yes	no
3745-40-09	C4f	shall	At a minimum, this description shall include the following:	6111.03 (R), 6111.042	federally required	40 CFR 503.17	yes	yes	no
			In addition to the recordkeeping requirements in rule 3745-40-04 of the Administrative Code, the						
			permittee who prepares class B biosolids that are subject to cumulative pollutant loading rates, for the						
			purpose of beneficial use, shall develop the following information, shall retain the following						
			information for a minimum of five years at the treatment works, and shall make all of the following						
3745-40-09	C5	shall	information available to the director or an authorized representative upon request:	6111.03 (R), 6111.042	federally required	40 CFR 503.17	yes	yes	no
			In addition to the recordkeeping requirements in rule 3745-40-04 of the Administrative Code, the						
			permittee who prepares class B biosolids that are subject to cumulative pollutant loading rates, for the						
			purpose of beneficial use, shall develop the following information, shall retain the following information for a minimum of five years at the treatment works, and shall make all of the following						
3745-40-09	C5	shall	information available to the director or an authorized representative upon request:	6111.03 (R), 6111.042	federally required	40 CFR 503.17	yes	VAC	no
5,75 70 03		Silali	into mation available to the director of an authorized representative apoint equest.	0111.03 (N), 0111.042	reactany required	70 CI N 303.17	yes	yes	110
			In addition to the recordkeeping requirements in rule 3745-40-04 of the Administrative Code, the						
			permittee who prepares class B biosolids that are subject to cumulative pollutant loading rates, for the						
			purpose of beneficial use, shall develop the following information, shall retain the following						
			information for a minimum of five years at the treatment works, and shall make all of the following						
3745-40-09	C5	shall	information available to the director or an authorized representative upon request:	6111.03 (R), 6111.042	federally required	40 CFR 503.17	yes	yes	no
3745-40-09	C5c	shall	The standard operating procedure shall include all of the following at a minimum, when applicable:	6111.03 (R), 6111.042	federally required	40 CFR 503.17	yes	yes	no

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			The person who beneficially uses class B biosolids subject to cumulative pollutant loading rates shall					
			· · · · · · · · · · · · · · · · · · ·					
2745 40 00			develop the following information, shall retain the following information indefinitely, and shall make all		fodougli, as suited 40 CER 502 47			
3745-40-09	C6	shall	of the following information available to the director or an authorized representative upon request:	6111.03 (R), 6111.042	federally required 40 CFR 503.17	yes	yes	no
			The person who beneficially uses class B biosolids subject to cumulative pollutant loading rates shall					
			develop the following information, shall retain the following information indefinitely, and shall make all					
3745-40-09	C6	chall			federally required 40 CFR 503.17	was	1100	
3745-40-09	Co	shall	of the following information available to the director or an authorized representative upon request:	6111.03 (R), 6111.042	rederally required 40 CFR 505.17	yes	yes	no
			The person who beneficially uses class B biosolids subject to cumulative pollutant loading rates shall					
			develop the following information, shall retain the following information indefinitely, and shall make all					
3745-40-09	C6	shall	of the following information available to the director or an authorized representative upon request:	6111.03 (R), 6111.042	federally required 40 CFR 503.17	yes	yes	no
3745-40-09	C6n	shall	At a minimum, this description shall include both of the following:	6111.03 (R), 6111.042	federally required 40 CFR 503.17	yes	yes	no
37 13 10 03	2011	Silan	The beneficial user of class B or bulk exceptional quality biosolids shall develop and maintain all of the	0111.03 (11), 0111.012	leactary required 10 crit 303.17	763	763	
			following information at the beneficial use site during the period class B or bulk exceptional quality					
3745-40-09	C7	shall	biosolids are beneficially used:	6111.03 (R), 6111.042	federally required 40 CFR 503.17	yes	yes	no
3743-40-09	C/	Silali	The applicable isolation distances for the beneficial use of class B or bulk exceptional quality biosolids	0111.03 (N), 0111.042	federally required and	yes	yes	110
3745-40-09	C7d	shall	that shall be satisfied at the beneficial use site	6111.03 (R), 6111.042	general authority 40 CFR 503.17	yes	yes	no
3743-40-09	C/u	Silali	A permittee shall submit an annual sewage sludge or biosolids report to the director or an authorized	0111.03 (N), 0111.042	general authority 40 CFR 503.17	yes	yes	no
3745-40-09	D	shall	representative.	6111 02 (D) 6111 042	general authority	was	no	
3745-40-09	U	Shall	representative.	6111.03 (R), 6111.042	general authority	yes	no	no
2745 40 00	5	ah all		C111 02 (D) C111 012	and and anthonist.			
3745-40-09	U	shall	The annual sewage sludge or biosolids report shall include, but not be limited to, both of the following:	6111.03 (K), 6111.042	general authority	yes	no	no
			[Comment: The Ohio environmental protection agency annual sewage sludge report shall be submitted					
3745-40-09	D1 comment	shall	through the Ohio EPA ebusiness center, division of surface water NPDES permit applications service.]	6111.03 (R), 6111.042	general authority	yes	no	no
			In addition to the following monitoring frequencies, the director may require additional monitoring to	(2)				
3745-40-09	B1	require	protect public health or the environment:	6111.03 (R), 6111.042	general authority	yes	no	no
			[Comment: - For example, for a treatment works that would be required to monitor their sewage sludge					
			on a quarterly basis, but only has one annual beneficial use event, and that relies on fecal coliform					
			monitoring to meet pathogen reduction, four separate sets of seven fecal coliform samples with the					
3745-40-09	B3b comment	require	appropriate four separate geometric mean calculations would be required.]	6111.03 (R), 6111.042	general authority	yes	no	no
			[Comment: - For example, for a treatment works that would be required to monitor their sewage sludge					
			on a quarterly basis, but only has one annual beneficial use event, and that relies on fecal coliform					
2745 40 00			monitoring to meet pathogen reduction, four separate sets of seven fecal coliform samples with the	5111 00 (0) 5111 010	L d d			
3745-40-09	B3b comment	require	appropriate four separate geometric mean calculations would be required.]	6111.03 (R), 6111.042	general authority	yes	no	no
			Monitoring for vector attraction reduction is not required when vector attraction reduction options VAR					
3745-40-09	B4b	no musimo	9 or VAR-10, in accordance with rule 3745-40-04 of the Administrative Code, are utilized.		goneral authority			
3745-40-09	840	require	Table B-1: Minimum frequency of monitoring required for the beneficial use of biosolids based on	6111.03 (R), 6111.042	general authority	yes	no	no
2745 40 00	Libb B 4		, ,	C111 02 (D) C111 012	fordered to surjust d. 40 CER 502.45			
3745-40-09	table B-1	require	amount of sewage sludge generated per calendar year.	6111.03 (R), 6111.042	federal required 40 CFR 503.16	yes	yes	no
3745-40-09	table B-1	require	Minimum frequency of required monitoring	6111.03 (R), 6111.042	federal required 40 CFR 503.16	yes	yes	no
2745 40 00	D.C.		To protect public health or the environment, the director may require monitoring for dioxin for any	(444 02 (5) (444 245	and and anthony			
3745-40-09	B6a	require	treatment works, to do both of the following:	6111.03 (R), 6111.042	general authority	yes	no	no
2745 40 22	251		If monitoring for dioxin is required, the treatment works shall monitor for dioxin in sewage sludge, such					
3745-40-09	B6b	require	that all of the following requirements are met:	6111.03 (R), 6111.042	general authority	yes	no	no
0745	201		All analyses for dioxin in sewage sludge that are required by this rule are performed by a laboratory	6444 00 (5) 5::::5:				
3745-40-09	B6bi	require	equipped to provide accurate results	6111.03 (R), 6111.042	general authority	yes	no	no
3745-40-09	С	require	Record retention is required by all of the following people:	6111.03 (R), 6111.042	federally required 40 CFR 503.17	yes	yes	no
				(2)				
3745-40-09	C1a	require	The results of all analyses as required in paragraph (B) of rule 3745-40-09 of the Administrative Code.	6111.03 (R), 6111.042	general authority	yes	no	no
			Sample or monitoring analysis procedures, including any calculations required for sample or monitoring					
3745-40-09	C1cv	require	analysis.	6111.03 (R), 6111.042	general authority	yes	no	no
3745-40-09	C1e	require	A copy of the information required to be maintained in accordance with paragraph (C)(2) of this rule.	6111.03 (R), 6111.042	general authority	yes	no	no
3745-40-09	C3a	require	The results of all analyses as required in paragraph (B) of rule 3745-40-09 of the Administrative Code.	6111.03 (R), 6111.042	general authority	yes	no	no
			Sample or monitoring analysis procedures, including any calculations required for sample or monitoring					
3745-40-09	C3cv	require	analysis.	6111.03 (R), 6111.042	general authority	yes	no	no

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3745-40-09	C3f	require	A copy of the information required to be maintained in accordance with paragraph (C)(4) of this rule.	6111.03 (R), 6111.042	general authority	yes	no	no
3745-40-09	C5a	require	The results of all analyses as required in paragraph (B) of rule 3745-40-09 of the Administrative Code.	6111.03 (R), 6111.042	general authority	yes	no	no
			Sample or monitoring analysis procedures, including any calculations required for sample or monitoring	5				
3745-40-09	C5cv	require	analysis.	6111.03 (R), 6111.042	general authority	yes	no	no
3745-40-09	C5f	require	A copy of the information required to be maintained in accordance with paragraph (C)(6) of this rule.	6111.03 (R), 6111.042	general authority	yes	no	no
			The information requested in the Ohio environmental protection agency annual sewage sludge report,					
2745 40 00	D1		including copies of all certification statements required in paragraph (C) of rule 3745-40-09 of the	C111 02 (D) C111 042	ann aval auth avitu			
3745-40-09	D1	require	Administrative Code.  Any records, as required in accordance with rules 3745-40-04 and 3745-40-08 of the Administrative	6111.03 (R), 6111.042	general authority	yes	no	no
3745-40-09	D2	require	Code including, but not limited to, all of the following:	6111.03 (R), 6111.042	general authority	yes	no	no
3743-40-03	DZ	require	Facility storage requirements. Except as provided in paragraph (B) of this rule, facility storage of sewage		general authority	yes	110	110
3745-40-10	A1	shall	sludge or biosolids shall meet all of the following requirements:	6111.03 (R), 6111.042	general authority	yes	no	no
37 13 10 10	7.12	311411	stade of blossings shall meet all of the following requirements.	0111.03 (11), 0111.012	general authority	763	110	110
			Be approved by a permit to install that shall be obtained from the director in accordance with Chapter					
3745-40-10	A3	shall	3745-42 of the Administrative Code prior to the construction of any facility storage.	6111.03 (R), 6111.042	general authority	yes	no	no
					·	ľ		
			Unless deemed otherwise by the director, any authorized beneficial use site, where class B biosolids are	е				
3745-40-11	A	shall	beneficially used, shall have signs that adhere, at a minimum, to the following requirements:	6111.03 (R), 6111.042	general authority	yes	no	no
3745-40-11	A3	shall	The sign shall face the public road.	6111.03 (R), 6111.042	general authority	yes	no	no
			In addition to the requirements of paragraphs (A)(1) to (A)(8) of this rule, for any high potential public					
			exposure site receiving class B biosolids, the permittee shall have signage in place for a minimum of one					
3745-40-11	В	shall	year after the termination of beneficial use activity at the site.	6111.03 (R), 6111.042	general authority	yes	no	no
			In addition to the requirements of paragraphs (A)(1) to (A)(8) of this rule, for any low potential public					
2745 40 44		l	exposure site receiving class B biosolids, the permittee shall have signage in place for a minimum of	C111 02 (D) C111 012				
3745-40-11	C	shall	thirty days after the termination of beneficial use activity at the site.	6111.03 (R), 6111.042	general authority	yes	no	no
			The beneficial user shall maintain records of the date when signs were posted and removed from any					
3745-40-11	n	shall	authorized beneficial use site in accordance with rule 3745-40-09 of the Administrative Code.	6111.03 (R), 6111.042	general authority	yes	no	no
3743 40 11		Silali	[Comment: For signs that will remain permanently posted on an authorized beneficial use site, the date		general authority	yes	110	110
			of removal shall be the date that visual confirmation is made to verify that the sign is still posted for the					
3745-40-11	D comment	shall	time required by rule.]	6111.03 (R), 6111.042	general authority	yes	no	no
			[Comment: For signs that will remain permanently posted on an authorized beneficial use site, the date		0	,	-	
			of removal shall be the date that visual confirmation is made to verify that the sign is still posted for the					
3745-40-11	D Comment	require	time required by rule.]	6111.03 (R), 6111.042	general authority	yes	no	no
			Read: "NOTICE: OHIO EPA AUTHORIZED CLASS B BIOSOLIDS BENEFICIAL USE SITE. TRESPASSING IS					
3745-40-11	A6	prohibit	PROHIBITED."	6111.03 (R), 6111.042	general authority	yes	no	no
			The permittee shall notify the Ohio environmental protection agency by calling 1-800-282-9378 as soon	١				
			as possible, but no later than twenty-four hours following the first discovery by the permittee that					
3745-40-12	В	shall	sewage sludge or biosolids have entered waters of the state.	6111.03 (R), 6111.042	general authority	yes	no	no
			Within fourteen days after the sewage sludge or biosolids are discharged into waters of the state, the					
			permittee shall submit a report to the director or an authorized representative that includes all of the					
3745-40-12	В	shall	following:	6111.03 (R), 6111.042	general authority	yes	no	no
			The permittee shall notify the appropriate Ohio environmental protection agency district office as soon					
2745 40 12		ah a II	as possible, but no later than twenty-four hours following the first discovery by the permittee that	C111 02 (D) C111 042	an aval authority			
3745-40-12	L .	shall	sewage sludge or biosolids have spilled.	6111.03 (R), 6111.042	general authority	yes	no	no
			Within fourteen days after the sewage sludge or biosolids are spilled, the permittee shall submit a					
3745-40-12	C	shall	report to the director or an authorized representative that includes at least all of the following:	6111.03 (R), 6111.042	general authority	yes	no	no
5, 75 70 IL		Situli	- Sport to the director of an authorized representative that includes at reast an or the following.	0111.03 (11), 0111.042	osticiai additority	,,,,,	110	
			Deny any NPDES permit or biosolids management plan application not in compliance with this chapter					
			and require the submittal of a new NPDES permit or biosolids management plan application, including					
3745-40-12	A2	require	all applicable fees to the Ohio environmental protection agency within thirty days.	6111.03 (R), 6111.042	general authority	yes	no	yes
					·	ľ		İ
			Require any person treating, storing, transferring or disposing of sewage sludge or biosolids that have		State required 6111.03			
3745-40-12	A6	require	resulted in a nuisance odor to take measures to eliminate the nuisance odor.	6111.03 (R), 6111.042	(R)(1)(E)	yes	yes	yes
						1,	1.	

			Require any person who beneficially uses biosolids that have resulted in a nuisance odor to cease State		State required 6111.03			
3745-40-12	A8	require	beneficial use.	6111.03 (R), 6111.042	(R)(1)(E)	yes	yes	yes
			To ensure the protection of human health or the environment, require sampling and monitoring for					
3745-40-12	A12	require	additional pollutants beyond the requirements in this chapter.	6111.03 (R), 6111.042	general authority	yes	no	yes

							Federally	Removal would	Requirement on
					Required by State or Fed Law or general		delegated	require state or	the agency or
OAC Rule #	Paragraph	Restriction	Description/Quotation	Statutory Authority	authority?	crosswalk?	program?	federal law change?	director?
			The addition of new connections to a public sewage system shall not be considered						
3745-42-01	M3	shall not	a modification of the sewage system.	6111.0	3 State general authority - 6111.03 (G)		no	no	no
			For the purposes of this definition, liquid industrial waste shall possess						
3745-42-01	S4	shall	characteristics similar to sewage.	ł	3 State general authority - 6111.03 (G)		no	no	no
3745-42-01	H1b	must	Must be hauled for recycling, treatment or disposal.	6111.0	3 State general authority - 6111.03 (G)		no	no	no
			"Ohio EPA" means the Ohio environmental protection agency or its director, as the						
3745-42-01	02	require	context or other law or regulations may require.		3 State general authority - 6111.03 (G)		no	no	no
3745-42-01	03	may not	The operator may or may not be the owner of the disposal system.	6111.0	3 State general authority - 6111.03 (G)		no	no	no
3745-42-02	A1a	shall	Except as provided in paragraphs (B) to (D)(3) of this rule, no person shall cause, permit or allow the installation of a new disposal system or cause, permit or allow the modification of a disposal system without first obtaining an individual permit to install, a general permit to install or plan approval in accordance with this chapter and all other applicable rules and laws.	6111.03, 6111.04, 6111.44, 6111.45, 6111.451, 6111.46	State general authority - 6111.03 (G)		no	no	no
3743-42-02	Aid	Silali	and an other applicable rules and laws.	0111.40	State general authority - 0111.03 (G)		110	110	110
3745-42-02	A1b	shall	An application for a permit to install for any disposal system shall include detailed plans in accordance with this chapter and all other applicable rules and laws.	6111.03, 6111.04, 6111.44, 6111.45, 6111.451, 6111.46	State general authority - 6111.03 (G)		no	no	no
			The approval of a permit to install shall constitute approval of the detailed plans for		, , , ,				
			the disposal of waste and for the disposal system pursuant to sections 6111.44 and						
3745-42-02	A1c	shall	6111.45 of the Revised Code.	6111.46	State general authority - 6111.03 (G)		no	no	no
			Any costs associated with these design changes shall not be used as part of any cost	6111.03, 6111.04, 6111.44, 6111.45, 6111.451,					
3745-42-02	B1aiii	shall not	effectiveness evaluation.	6111.46	State general authority - 6111.03 (G)		no	no	no
			Site preparation activities performed prior to the issuance of a permit to install or	6111.03, 6111.04, 6111.44, 6111.45, 6111.451,					
3745-42-02	B1bi	shall	plan approval shall comply with all of the following:	6111.46	State general authority - 6111.03 (G)		no	no	no
			A soil and site evaluation for any soil based treatment system shall be approved	6111.03, 6111.04, 6111.44, 6111.45, 6111.451,					
3745-42-02	B1biie	shall	prior to beginning any site preparation activities.	6111.46	State general authority - 6111.03 (G)		no	no	no
			A soil and site evaluation for any land application area shall be approved prior to	6111.03, 6111.04, 6111.44, 6111.45, 6111.451,					
3745-42-02	B1biif	shall	beginning any site preparation activities.	6111.46	State general authority - 6111.03 (G)		no	no	no
			Waste from a mobile carpet cleaner shall be disposed of at a publicly owned						
			treatment works or a commercial wastewater treatment works with an effective	6111.03, 6111.04, 6111.44, 6111.45, 6111.451,					
3745-42-02	B5	shall	NPDES permit.	6111.46	State general authority - 6111.03 (G)		no	no	no
			The repair or replacement shall be considered operation and maintenance issues	6111.03, 6111.04, 6111.44, 6111.45, 6111.451,					
3745-42-02	B16b	shall	and not the installation of treatment systems	6111.46	State general authority - 6111.03 (G)		no	no	no
3745-42-02	B18	shall	If the disposal system is installed to meet a specific numeric effluent limitation in an NPDES permit or is required as a result of director's findings and orders or alternative judicial or administrative order, a permit to install or plan approval shall be obtained.	6111.03, 6111.04, 6111.44, 6111.45, 6111.451, 6111.46	State general authority - 6111.03 (G)		no	no	no
			If at the end of the pilot study, the owner or operator chooses to incorporate pilot						
			study components into the existing treatment works, a permit to install shall be	6111.03, 6111.04, 6111.44, 6111.45, 6111.451,					
3745-42-02	B19d	shall	obtained.	6111.46	State general authority - 6111.03 (G)		no	no	no
			A permit to install or plan approval shall terminate eighteen months from the effective date of the permit to install if the owner or operator has not undertaken a continuing program of installation or modification or has not entered into a binding contractual obligation to undertake and complete, within a reasonable time, a	6111.03, 6111.04, 6111.44, 6111.45, 6111.451,					
3745-42-02	F1	shall	continuing program of installation or modification.	6111.46	State general authority - 6111.03 (G)		no	no	no
			No appeal taken from denial of extension of an expiration date shall prevent						
			termination of a permit during the period between denial of extension and final						
			disposition of the appeal unless prohibited by any court or administrative body	6111.03, 6111.04, 6111.44, 6111.45, 6111.451,					
3745-42-02	F2	shall	having jurisdiction over the matter.	6111.46	State general authority - 6111.03 (G)		no	no	no
			When a permittee requests a revocation, the director, without prior hearing, shall	6111.03, 6111.04, 6111.44, 6111.45, 6111.451,					
3745-42-02	G2	shall	make a final determination on the application.	6111.46	State general authority - 6111.03 (G)		no	no	yes
			Transfers shall only be made for permits to install or plan approvals that meet any	6111.03, 6111.04, 6111.44, 6111.45, 6111.451,					
3745-42-02	H1	shall	of the following conditions:	6111.46	State general authority - 6111.03 (G)		no	no	no
			Written application for a transfer shall be submitted to the director at least sixty	6111.03, 6111.04, 6111.44, 6111.45, 6111.451,					
3745-42-02	H2	shall	days prior to any proposed transfer.	6111.46	State general authority - 6111.03 (G)	I	no	no	no

					T			
			The transferee shall be responsible for informing Ohio EPA that the transferee will	6111.03, 6111.04, 6111.44, 6111.45, 6111.451,				
2745 42 02	112	ah all			State game and quith a rity. C111 02 (C)			
3745-42-02	H2	shall	assume the responsibilities of the original permittee transferor.	6111.46	State general authority - 6111.03 (G)	no	no	no
2745 42 02		-h - II	The director shall notify both the original permittee transferor or the transferee in	6111.03, 6111.04, 6111.44, 6111.45, 6111.451,	State ======   ===th===it==			
3745-42-02	H2	shall	writing of the decision.	6111.46	State general authority - 6111.03 (G)	no	no	yes
			A constitute to the Hermitean constitute the Hermitean and Mind and a closed and a closed					
			. A permit to install or plan approval shall be issued, modified, revoked or denied					
			and may be challenged in accordance with the provisions of the rules of procedure					
3745-42-02	<u>I</u>	shall	of the Ohio EPA, Chapters 3745-47 and 3745-49 of the Administrative Code.	6111.46	State general authority - 6111.03 (G)	no	no	yes
			The director, at the director's discretion or where required by federal laws or					
			regulations, may issue a single permit to install or plan approval having application					
			to all pollutants of any kind emanating from any disposal system, or may issue a					
			single permit to install or plan approval having applicability to more than one					
			disposal system controlled by a common owner or operator located in the same	6111.03, 6111.04, 6111.44, 6111.45, 6111.451,				
3745-42-02	A3	require	county.	6111.46	State general authority - 6111.03 (G)	no	no	no
			Unless deemed otherwise by the director, a permit to install or plan approval,	6111.03, 6111.04, 6111.44, 6111.45, 6111.451,				
3745-42-02	В	require	whichever is applicable, is not required for the following:	6111.46	State general authority - 6111.03 (G)	no	no	no
			Except as provided in paragraph (B)(3)(b) of this rule, a permit to install or plan					
			approval is not required for an external FOG interceptor, where the external FOG	6111.03, 6111.04, 6111.44, 6111.45, 6111.451,				
3745-42-02	вза	require	interceptor meets all of the following conditions:	6111.46	State general authority - 6111.03 (G)	no	no	no
			The director may require a permit to install or plan approval, as applicable, for any					
			FOG interceptor that receives industrial wastewater or wastewater that does not	6111.03, 6111.04, 6111.44, 6111.45, 6111.451,				
3745-42-02	B3b	require	meet the definition of sewage, as defined by Chapter 6111. of the Revised Code.	6111.46	State general authority - 6111.03 (G)	no	no	no
			The director may require a permit to install, plan approval or an NPDES permit to	6111.03, 6111.04, 6111.44, 6111.45, 6111.451,				
3745-42-02	B11d	require	protect public health or the environment.	6111.46	State general authority - 6111.03 (G)	no	no	no
			If the disposal system is installed to meet a specific numeric effluent limitation in ar	1				
			NPDES permit or is required as a result of director's findings and orders or					
			alternative judicial or administrative order, a permit to install or plan approval shall	6111.03, 6111.04, 6111.44, 6111.45, 6111.451,				
3745-42-02	B18	require	be obtained.	6111.46	State general authority - 6111.03 (G)	no	no	no
		,						
			No permit to install or plan approval, whichever is applicable, is required for the	6111.03, 6111.04, 6111.44, 6111.45, 6111.451,				
3745-42-02	D	require	modification of a disposal system if any of the following conditions are met:	6111.46	State general authority - 6111.03 (G)	no	no	no
		·	Notwithstanding any other provision of this rule, compliance with this chapter does	5	, , , ,			
			not relieve any person from the requirements of Chapter 3734. or 3714. of the					
			Revised Code and rules adopted thereunder, including provisions prohibiting the	6111.03, 6111.04, 6111.44, 6111.45, 6111.451,				
3745-42-02	A4	prohibit	establishment of a facility.	6111.46	State general authority - 6111.03 (G)	no	no	no
		,	Site activities that are prohibited prior to obtaining a permit to install or plan	6111.03, 6111.04, 6111.44, 6111.45, 6111.451,	, , , , , , , , , , , , , , , , , , , ,			
3745-42-02	B1bii	prohibit	approval include any of the following:	6111.46	State general authority - 6111.03 (G)	no	no	no
		,	No appeal taken from denial of extension of an expiration date shall prevent		, , , ,			
			termination of a permit during the period between denial of extension and final					
			disposition of the appeal unless prohibited by any court or administrative body	6111.03, 6111.04, 6111.44, 6111.45, 6111.451,				
3745-42-02	F2	prohibit	having jurisdiction over the matter.	6111.46	State general authority - 6111.03 (G)	no	no	no
07.10.12.02		p. cs.c		0222.10				
			Applications for both permits to install and plan approvals required by rule 3745-42	<u>.</u>				
			02 of the Administrative Code shall be made using forms prepared by Ohio EPA and					
			shall contain such information as the director deems necessary to determine					
3745-42-03	Δ	shall	whether the criteria of rule 3745-42-04 of the Administrative Code are met.	6111.0	3 State general authority - 6111.03 (G)	no	no	no
3743-42-03	<u> </u>	Silali	whether the chieffa of fule 3743-42-04 of the Administrative code are met.	0111.0.	Sistate general authority - 0111.03 (d)	110	110	110
			Applications for both permits to install and plan approvals required by rule 3745-42					
			02 of the Administrative Code shall be made using forms prepared by Ohio EPA and	4				
2745 42 22		,	shall contain such information as the director deems necessary to determine		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			
3745-42-03	A	shall	whether the criteria of rule 3745-42-04 of the Administrative Code are met.	6111.0	3 State general authority - 6111.03 (G)	no	no	no
			Applications for permits to install and plan approvals shall be signed by the person,					
3745-42-03	R	shall	firm, agency or entity responsible for constructing the disposal system.		3 State general authority - 6111.03 (G)	no	no	no
3745-42-03	В	shall	The application shall be signed as follows:	6111.0	State general authority - 6111.03 (G)	no	no	no

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			(C)In the case of plan approval for the land application of sludge, the application					
			shall be signed by either the president, vice-president or highest ranking corporate					
			officer with offices located in the state, or the owner of the entity planning to apply					
			the sludge, or the highest elected official of the municipality from which the sludge					
3745-42-03	С	shall	is generated.	6111.03	3 State general authority - 6111.03 (G)	no	no	no
			The signatures shall constitute personal affirmation that all statements or assertions					
			of fact made in the application are true and complete and comply fully with					
			applicable state requirements and shall subject the signatory to liability under					
3745-42-03	D	shall	section 2921.13 of the Revised Code.	6111.03	3 State general authority - 6111.03 (G)	no	no	no
			The signatures shall constitute personal affirmation that all statements or assertions					
			of fact made in the application are true and complete and comply fully with					
			applicable state requirements and shall subject the signatory to liability under					
3745-42-03	D	shall	section 2921.13 of the Revised Code.	6111.03	3 State general authority - 6111.03 (G)	no	no	no
			Before the director will review an application package, it shall contain at a minimum					
3745-42-03	E	shall	the following items:	6111.03	3 State general authority - 6111.03 (G)	no	no	no
			Any sewage disposal system company, as defined in section 4905.03 of the Revised					
			Code, that is or will be regulated as a public utility shall obtain and submit to the					
			director a copy of their certificate of necessity and need from the public utilities					
3745-42-03	E3	shall	commission of Ohio, as required by section 4933.25 of the Revised Code.		3 State general authority - 6111.03 (G)	no	no	no
3745-42-03	E4	shall	At a minimum, the report shall include the following:	6111.03	3 State general authority - 6111.03 (G)	no	no	no
			The plans and specifications shall be submitted in accordance with the following					
3745-42-03	E6	shall	requirements, as applicable:	6111.03	3 State general authority - 6111.03 (G)	no	no	no
			All detailed plan sheets shall be eleven inches by seventeen inches, twenty-two					
3745-42-03	E6a	shall	inches by thirty-four inches, or twenty-four inches by thirty-six inches.	6111.03	3 State general authority - 6111.03 (G)	no	no	no
			Each sheet shall have a sufficient margin to allow for proper binding and complete					
3745-42-03	E6a	shall	title blocks. Each set of plan sheets submitted on paper shall be bound together.	6111.03	3 State general authority - 6111.03 (G)	no	no	no
			Each sheet shall have a sufficient margin to allow for proper binding and complete					
3745-42-03	E6a	shall	title blocks. Each set of plan sheets submitted on paper shall be bound together.		3 State general authority - 6111.03 (G)	no	no	no
3745-42-03	E6b	shall	Each set of detailed plans shall contain the following:	6111.03	3 State general authority - 6111.03 (G)	no	no	no
3745-42-03	E6c	shall	Each set of detailed plans shall contain a site plan showing, where applicable:	6111.03	3 State general authority - 6111.03 (G)	no	no	no
			Each set of detailed plans shall contain a vicinity map showing surrounding					
			roadways, railroad tracks, and major water courses within at least one thousand					
3745-42-03	E6d	shall	feet of the project.	6111.03	3 State general authority - 6111.03 (G)	no	no	no
			Except for cities, villages, counties and other public entities, public utilities, or					
			industrial applicants, any applicant proposing to install a disposal system to collect					
			or treat sewage from two or more homes or collect or treat sewage with an average					
			design flow of ten thousand gallons per day or greater, shall submit the following					
			information as part of a permit application in addition to the information required					
			in paragraphs (A) to (E) of this rule to demonstrate financial, legal and technical					
3745-42-03	Н	shall	ability to own and operate a disposal system:	6111.03	3 State general authority - 6111.03 (G)	no	no	no
			For an association of home or property owners served by the disposal system, the					
			document establishing the association shall impose covenants or restrictions on the					
			land of each property owner that assures the proper long-term operation and					
3745-42-03	H5	shall	maintenance of the disposal system including at a minimum the following:		3 State general authority - 6111.03 (G)	no	no	no
3745-42-03	Н6	shall	At a minimum, the financial plan shall include the following:	6111.03	3 State general authority - 6111.03 (G)	no	no	no
			In addition to the information contained in paragraphs (A) to (E) of this rule,					
			applications for permits to install for industrial waste treatment works that have a					
			direct discharge to waters of the state or are tributary to a treatment works (i.e., an					
3745-42-03	I	shall	indirect discharger) shall include, as applicable, all of the following:	6111.03	3 State general authority - 6111.03 (G)	no	no	no
			The application shall contain a statement by the sewer authority that it is aware of					
			the proposed project and agrees to accept the treated industrial waste from the					
3745-42-03			applicant's facility.		3 State general authority - 6111.03 (G)			

			les a second					
			If the applicant is proposing to connect to, or construct or modify an existing					
			sewerage system tributary to, a sanitary sewer that is not owned or operated by the					
			sewer authority responsible for treating the industrial waste, then the connection,					
			construction or modification shall be through an approved sewer tap to the					
3745-42-03	11	shall	sewerage system.		3 State general authority - 6111.03 (G)	no	no	no
3745-42-03	12	shall	In the schematic diagram, the applicant shall do the following:		3 State general authority - 6111.03 (G)	no	no	no
3745-42-03	13	shall	In the engineering report, the applicant shall do the following:	6111.0	3 State general authority - 6111.03 (G)	no	no	no
			The project summary shall also identify the appropriate categorical regulations, the					
			appropriate local effluent limitations, and any applicable court orders or					
3745-42-03	l3a	shall	pretreatment standards.	6111.0	3 State general authority - 6111.03 (G)	no	no	no
			Particular emphasis shall be directed towards applicable standards, toxic pollutants,					
			and pollutants that the industrial waste pretreatment facilities are designed to					
3745-42-03	l3biii	shall	remove.	6111.0	3 State general authority - 6111.03 (G)	no	no	no
			(1)Any of the following must be signed and certified by a professional engineer					
			licensed by the Ohio state board of registration for professional engineers and		2			
3745-42-03	A1	must	surveyors:	6111.0	3 State general authority - 6111.03 (G)	no	no	no
			The basis of the projections of initial and future flows and wastewater load must be					
			included and must reflect the existing or initial service area, and the anticipated					
3745-42-03	E4b	must	future service area.	6111.0	3 State general authority - 6111.03 (G)	no	no	no
			The basis of the projections of initial and future flows and wastewater load must be					
			included and must reflect the existing or initial service area, and the anticipated					
3745-42-03	E4b	must	future service area.	6111.0	3 State general authority - 6111.03 (G)	no	no	no
			That the association must continue in existence until after the disposal system is					
3745-42-03	H5g	must	properly closed.	6111.0	3 State general authority - 6111.03 (G)	no	no	no
			The approval and statement may be in the form of a letter from the sewer					
3745-42-03	I1	must	authority, or each set of plans must be signed by the sewer authority.	6111.0	3 State general authority - 6111.03 (G)	no	no	no
			Applications for both permits to install and plan approvals required by rule 3745-42-					
			02 of the Administrative Code shall be made using forms prepared by Ohio EPA and					
			shall contain such information as the director deems necessary to determine					
3745-42-03	Α	require	whether the criteria of rule 3745-42-04 of the Administrative Code are met.	6111.0	3 State general authority - 6111.03 (G)	no	no	no
			Applications for permits to install or plan approvals that are not required to be					
2745 42 02			signed and certified by a professional engineer licensed by the Ohio state board of	5444.0	25			
3745-42-03	A2	require	registration for professional engineers and surveyors include the following:	6111.0	3 State general authority - 6111.03 (G)	no	no	no
			In addition to the specific types of documents in paragraph (A)(1) of this rule, the					
			director may require other documents submitted under this chapter to be signed					
			and certified by a professional engineer licensed by the Ohio state board of					
2745 42 02	4.2		registration for professional engineers and surveyors to protect human health or	C444.0	3 State			
3745-42-03	A3	require	the environment.	6111.0	3 State general authority - 6111.03 (G)	no	no	no
			If after construction the disposal quaters will be turned arounts a sublication of					
			If, after construction, the disposal system will be turned over to a public entity or					
			another party to own, operate or maintain, the director may require both persons					
			responsible for construction and the future owner or operator or person who					
2745 42 02			maintains the system to sign the permit application and be subject to the terms and	C444.0	3 State			
3745-42-03	В	require	conditions of the permit issued thereafter.	6111.0	3 State general authority - 6111.03 (G)	no	no	no
			Any sewage disposal system company, as defined in section 4905.03 of the Revised					
			Code, that is or will be regulated as a public utility shall obtain and submit to the					
2745 42 02	E2	ro	director a copy of their certificate of necessity and need from the public utilities	C111 O	2) State general authority: C111 02 (C)	n -		200
3745-42-03	E3	require	commission of Ohio, as required by section 4933.25 of the Revised Code.	6111.0	3 State general authority - 6111.03 (G)	no	no	no
			Except for sanitary sewer extension projects containing sewer pipe less than fifteen					
			inches in diameter and industrial waste treatment works projects covered under					
			paragraph (I)(3) of this rule, an engineering report describing the design features					
2745 52 25	j.,		and operation features necessary to enable the disposal system to achieve the	<u> </u>	201			
3745-42-03	E4	require	required effluent quality.	6111.0	3 State general authority - 6111.03 (G)	no	no	no
2745 42 22			An explanation of how best available technology, as required in rule 3745-42-04 of		2001			
3745-42-03	E5	require	the Administrative Code, is achieved, if applicable.	6111.0	3 State general authority - 6111.03 (G)	no	no	no

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			The name of the engineer preparing the plans, the original handwritten or an				
			electronic signature (i.e., unique identifier or personal identification number (PIN)				
2745 42 02	ECI ***		for electronically submitted plans) of the engineer and the engineer's stamp on the	C444 02 (C)			
3745-42-03	E6biii	require	title sheet of the detailed plans when required by paragraph (A) of this rule.	6111.03 State general authority - 6111.03 (G)	no	no	no
			The director may waive submittal requirements identified in paragraph (E)(7) of this				
			rule for specific technologies or project types, such as industrial projects that				
2745 42 02	F	roquiro	require a permit to install prior to funding procurement, as necessary to efficiently	6111 03 State general authority, 6111 03 (C)			200
3745-42-03	r	require	review the application package and administer this chapter.	6111.03 State general authority - 6111.03 (G)	no	no	no
			The director may require that prior to the initiation of construction or initiation of				
3745-42-03	F	require	operation, that plans required in paragraph (E)(7) of this rule have been submitted.	6111.03 State general authority - 6111.03 (G)	no	no	no
37.13.12.03	•	. equ. e	operation) that plans required in paragraph (2)(1) or this rate accordant to a	ozzzios state general authority ozzzios (e)			
			The director may require that prior to the initiation of construction or initiation of				
3745-42-03	F	require	operation, that plans required in paragraph (E)(7) of this rule have been submitted.	6111.03 State general authority - 6111.03 (G)	no	no	no
		·	The director may allow electronic submittal of any document required to be				
			submitted by this rule. If the director allows electronic submittal, the director may				
			allow the applicant to submit only one electronic copy of the document, even if the				
			applicant would be required to submit more than one copy in non-electronic form				
3745-42-03	G	require	by this rule.	6111.03 State general authority - 6111.03 (G)	no	no	no
			The director may allow electronic submittal of any document required to be				
			submitted by this rule. If the director allows electronic submittal, the director may				
			allow the applicant to submit only one electronic copy of the document, even if the				
			applicant would be required to submit more than one copy in non-electronic form				
3745-42-03	G	require	by this rule.	6111.03 State general authority - 6111.03 (G)	no	no	no
			(H)Except for cities, villages, counties and other public entities, public utilities, or				
			industrial applicants, any applicant proposing to install a disposal system to collect				
			or treat sewage from two or more homes or collect or treat sewage with an average				
			design flow of ten thousand gallons per day or greater, shall submit the following				
			information as part of a permit application in addition to the information required				
			in paragraphs (A) to (E) of this rule to demonstrate financial, legal and technical				
3745-42-03	Н	require	ability to own and operate a disposal system:	6111.03 State general authority - 6111.03 (G)	no	no	no
			A permit to install or plan approval shall be issued on the basis of the information				
3745-42-04	A.1	shall	appearing in the application or information gathered by or furnished to the Ohio	6111 03 State general authority, 6111 03 (C)			voc.
3745-42-04	A1	Shaii	environmental protection agency.  In deciding whether to approve or deny a permit to install or plan approval, the	6111.03 State general authority - 6111.03 (G)	no	no	yes
3745-42-04	A2	shall	director shall take into consideration the following factors:	6111.03   State general authority - 6111.03 (G)	no	no	yes
3743-42-04	72	Silan	Whether the installation or modification and operation of the disposal system shall	OTTI.OS State general authority - OTTI.OS (G)	110	110	yes
3745-42-04	A2a	shall	do the following:	6111.03 State general authority - 6111.03 (G)	no	no	no
			(3)Incomplete permit to install or plan approval applications, in regards to				
			application requirements in rule 3745-1-05 of the Administrative Code and this				
3745-42-04	A3	shall not	chapter, shall not be considered.	6111.03 State general authority - 6111.03 (G)	no	no	no
			Plans submitted under this chapter shall be in accordance with generally accepted				
			engineering standards or guidance for design and operation to ensure the				
3745-42-04	A4	shall	protection of human health or the environment.	6111.03 State general authority - 6111.03 (G)	no	no	no
			Within one hundred eighty days after a completed application is filed, the director				
3745-42-04	A6	shall	shall issue or propose to issue or deny a permit to install or plan approval.	6111.03 State general authority - 6111.03 (G)	no	no	yes
			At a minimum, said qualified official or employee of the political subdivision or				
			investor-owned public utility shall be a registered professional engineer licensed to				
3745-42-04	B2b	shall	practice engineering in the state of Ohio.	6111.03 State general authority - 6111.03 (G)	no	no	no
			In performing the review of the permit to install application and plans as specified				
			by the agreement, the qualified official or employee of the political subdivision or				
			investor-owned public utility shall, at a minimum, review the permit to install				
2745 42 04	D2 -	- I- II	application and plans for conformance with all applicable laws and generally	C444 03 (C1)			
3745-42-04	B2c	shall	accepted engineering standards referenced in paragraph (A)(4) of this rule.	6111.03 State general authority - 6111.03 (G)	no	no	no
3745-42-04	אכם	chall	Under such agreement, the director shall outline the various terms of the	G111 02 State general authority G111 02 (C)		no	voc.
3/43-4Z-U4	B2d	shall	authorized review.	6111.03 State general authority - 6111.03 (G)	no	no	yes

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			Under such agreement, the fees calculated in accordance with division (B) of					
			section 3745.11 of the Revised Code and a copy of the actual permit to install					
3745-42-04	D20	shall	application shall be forwarded to Ohio EPA upon receipt by the political subdivision or investor-owned public utility.		State general authority 6111 02 (C)		200	
3743-42-04	B2e	Silali	Under such agreement, the director shall issue the appropriate action after	6111.03	State general authority - 6111.03 (G)	no	no	no
			consideration of the recommendation signed by the qualified official or employee					
			of the political subdivision or investor-owned public utility upon submission to the					
3745-42-04	B2f	shall	director of the following:	6111.03	State general authority - 6111.03 (G)	no	no	yes
3743 42 04	DZ1	Silaii	uncetor of the following.	0111.00	State general authority 0111.05 (G)		110	yes
			In the event that a project reviewed under such an agreement is appealed to the					
			environmental review appeals commission or an Ohio EPA hearing examiner, the					
			political subdivision or investor-owned public utility responsible for review shall					
3745-42-04	B2g	shall	provide necessary technical support to the director.	6111.03	State general authority - 6111.03 (G)	no	no	no
			Identification of projects for which the Ohio EPA division of surface water shall					
			coordinate with the Ohio EPA divisions of materials and waste management					
			(DMWM), air pollution control (DAPC) and drinking and ground waters, ground					
3745-42-04	Table 4-1	shall	water section (DDAGW) and their respective successors.	6111.03	State general authority - 6111.03 (G)	no	no	yes
			[Comments Helesakha diseases has asset the left of the					
			[Comment: Unless the director has so authorized the municipal corporation, county	', <u> </u>				
			or special district in writing to act on the agency's behalf, a permit to install from					
3745-42-04	Comment	roquiro	Ohio EPA is required for industrial user indirect discharges unless the project meets an exemption in rule 3745-42-02 of the Administrative Code.		State general authority - 6111.03 (G)	200	no	no
3743-42-04	Comment	require	an exemption in rule 3743-42-02 of the Administrative code.]	0111.03	State general authority - 0111.05 (d)	no	no	no
			Except as provided in paragraphs (A)(1) to (A)(6) of this rule, the minimum design					
			flows and waste strengths in table A-1 of this rule shall be used to design a					
3745-42-05	Α	shall	treatment works sized for one hundred thousand gallons per day or less.	6111.03, 6111.04, 6111.44, 6111.45, 6111.46	State general authority - 6111.03 (G)	no	no	no
					, , , ,			
			The design flow and the waste strength shall be based on the existing and proposed	1				
			services at the facility, and the justification for the proposed design flow and the					
3745-42-05	Α	shall	proposed waste strength shall be submitted with the permit to install application.	6111.03, 6111.04, 6111.44, 6111.45, 6111.46	State general authority - 6111.03 (G)	no	no	no
			The design flow and the waste strength shall be based on the existing and proposed	1				
			services at the facility, and the justification for the proposed design flow and the					
3745-42-05	A	shall	proposed waste strength shall be submitted with the permit to install application.	6111.03, 6111.04, 6111.44, 6111.45, 6111.46	State general authority - 6111.03 (G)	no	no	no
2745 42 05	A10	ah all	The flow monitoring data shall be submitted with the permit to install application	C111 02 C111 04 C111 44 C111 45 C111 4C	State consumit suits with C111 02 (C)			
3745-42-05	A1a	shall	and shall conform to either of the following:  The flow monitoring data shall be submitted with the permit to install application	6111.03, 6111.04, 6111.44, 6111.45, 6111.46	State general authority - 6111.03 (G)	no	no	no
3745-42-05	A1a	shall	and shall conform to either of the following:	6111.03, 6111.04, 6111.44, 6111.45, 6111.46	State general authority - 6111.03 (G)	no	no	no
3743 42 03	Ald	Silaii	For facilities that operate year-round, at least twelve months of flow monitoring	0111.03, 0111.04, 0111.44, 0111.43, 0111.40	State general authority 0111.03 (G)	l lio	110	
3745-42-05	A1b	shall	data shall be provided.	6111.03, 6111.04, 6111.44, 6111.45, 6111.46	State general authority - 6111.03 (G)	no	no	no
			For seasonal facilities, flow monitoring data shall be provided for the entire				-	
3745-42-05	A1b	shall	operational period within a calendar year.	6111.03, 6111.04, 6111.44, 6111.45, 6111.46	State general authority - 6111.03 (G)	no	no	no
			The computer flow modeling data shall be submitted with the permit to install					
3745-42-05	A2	shall	application.	6111.03, 6111.04, 6111.44, 6111.45, 6111.46	State general authority - 6111.03 (G)	no	no	no
			The values in table A-1 shall be used to determine the storage volume needed and					
3745-42-05	A3	shall	the design flow of the treatment units following the storage facility.	6111.03, 6111.04, 6111.44, 6111.45, 6111.46	State general authority - 6111.03 (G)	no	no	no
2745 42 25		[	The flow equalization data shall be submitted with the permit to		6			
3745-42-05	A3	shall	install application.	6111.03, 6111.04, 6111.44, 6111.45, 6111.46	State general authority - 6111.03 (G)	no	no	no
2745 42 05	A 4	chall	Any information regarding the potential impacts to upstream sewers	6111 02 6111 04 6111 44 6111 45 6114 46	State general authority C111 03 /C)		200	no
3745-42-05	A4	shall	shall be submitted with the permit to install application.  Sampling data shall be provided that is	6111.03, 6111.04, 6111.44, 6111.45, 6111.46	State general authority - 6111.03 (G)	no	no	no
3745-42-05	A5	shall	indicative of normal operations.	6111.03, 6111.04, 6111.44, 6111.45, 6111.46	State general authority - 6111.03 (G)	no	no	no
3773 72-03	N.3	Jilali	For seasonal operations, the data shall be reflective of the time when the facility is	0111.03, 0111.04, 0111.44, 0111.43, 0111.40	State general authority - 0111.03 (0)	i iii	110	110
3745-42-05	A5	shall	most used.	6111.03, 6111.04, 6111.44, 6111.45, 6111.46	State general authority - 6111.03 (G)	no	no	no
3. 12 1.2 03		5	This data shall include the following: daily raw data, seven-day averages and thirty-			"		
3745-42-05	A5	shall	day averages.	6111.03, 6111.04, 6111.44, 6111.45, 6111.46	State general authority - 6111.03 (G)	no	no	no
			This shall be submitted along with the		,			
3745-42-05	A5	shall	permit to install application and, either of the following:	6111.03, 6111.04, 6111.44, 6111.45, 6111.46	State general authority - 6111.03 (G)	no	no	no
•	•	•	<del>-</del>	•	•		•	

	<del></del>	<del></del>		T		T T		
			As a condition of the permit application, the applicant shall submit data or					
2745 42 05	A C l-	-l II	necessary information verifying that appropriate low flow fixtures or water saving		State and anthonity (444.03.46)			
3745-42-05	A6b	shall	devices are being installed throughout the operation.	6111.03, 6111.04, 6111.44, 6111.45, 6111.46	State general authority - 6111.03 (G)	no	no	no
			Flows may be reduced through the scenarios in this paragraph, and the wastewater					
			treatment works design shall accommodate organic and solids loading established					
3745-42-05	A6b	shall	utilizing the original design flows contained in table A-1.	6111.03, 6111.04, 6111.44, 6111.45, 6111.46	State general authority - 6111.03 (G)	no	no	no
3745-42-05	Note H	shall	Weddings and funerals shall be counted as services.	6111.03, 6111.04, 6111.44, 6111.45, 6111.46	State general authority - 6111.03 (G)	no	no	no
3745-42-05	Note K	shall	Higher flows shall be estimated when showers are available.	6111.03, 6111.04, 6111.44, 6111.45, 6111.46	State general authority - 6111.03 (G)	no	no	no
			If a daycare is present, the flow		, , , ,			
3745-42-05	Note O	must	requirements for a daycare facility must be included.	6111.03, 6111.04, 6111.44, 6111.45, 6111.46	State general authority - 6111.03 (G)	no	no	no
3745-42-05	Table A-1	require	Sewer connection required; contact district office	6111.03, 6111.04, 6111.44, 6111.45, 6111.46	State general authority - 6111.03 (G)	no	no	no
1			Aeration tanks for these systems require forty-eight-hour detention periods.					
3745-42-05	Note C	require	Garbage grinders not permitted.	6111.03, 6111.04, 6111.44, 6111.45, 6111.46	State general authority - 6111.03 (G)	no	no	no
l			Truck parking areas will require consideration for treatment of runoff at large truck					
3745-42-05	Note D	require	stops.	6111.03, 6111.04, 6111.44, 6111.45, 6111.46	State general authority - 6111.03 (G)	no	no	no
1								
1			Year round disinfection of all wastewater may be required before discharge to					
3745-42-05	Note G	require	waters of the state or to any other surface or subsurface disposal systems.	6111.03, 6111.04, 6111.44, 6111.45, 6111.46	State general authority - 6111.03 (G)	no	no	no
			Deviating from this estimated design flow will require the director's approval, prior					
3745-42-05	Note L	require	to applicant submitting the permit to install.	6111.03, 6111.04, 6111.44, 6111.45, 6111.46	State general authority - 6111.03 (G)	no	no	no
			An external grease trap is required for facilities with food service for soil based					
3745-42-05	Note P	require	treatment systems.	6111.03, 6111.04, 6111.44, 6111.45, 6111.46	State general authority - 6111.03 (G)	no	no	no
2745 42 05	Note II		Commence the incoming of four control Discourse to the state of the st		State ======   ===th ===th == (414 02 (C)			
3745-42-05	Note U	require	Sewer connection is required for a car wash. Please contact your district office.	6111.03, 6111.04, 6111.44, 6111.45, 6111.46	State general authority - 6111.03 (G)	no	no	no
3745-42-05	Noto I	prohibit	Non-domestic or industrial wastes are prohibited from being discharged to soil	6111 02 6111 04 6111 44 6111 45 6111 46	State general authority 6111 02 (C)		no	20
3745-42-05	Note I	prombit	based treatment systems.	6111.03, 6111.04, 6111.44, 6111.45, 6111.46	State general authority - 6111.03 (G)	no	no	no
3745-42-05	Note N	prohibit	Pool de-watering is prohibited from discharging to soil based treatment systems.	6111.03, 6111.04, 6111.44, 6111.45, 6111.46	State general authority - 6111.03 (G)	no	no	no
3743-42-03	Note IV	prombit	1 our de Watering is prombited from discharging to son based treatment systems.	0111.03, 0111.04, 0111.44, 0111.43, 0111.40	State general authority - 0111.05 (d)	IIIO	110	110
			Each person who wishes to obtain coverage under a general permit to install in					
			order to install a disposal system shall submit to the director, or an authorized					
			representative, a notice of intent to comply with the general permit to install, in					
3745-42-06	C2	shall	accordance with the deadlines specified in the general permit to install.	6111.0	3 State general authority - 6111.03 (G)	no	no	no
3745-42-06	C2	shall	A notice of intent shall meet the following requirements:		3 State general authority - 6111.03 (G)	no	no	no
			The latitude and longitude coordinates shall be provided as: degrees minutes					
3745-42-06	C2eiii	shall	seconds, using two digits in each space.	6111.0	3 State general authority - 6111.03 (G)	no	no	no
3745-42-06	C3a	shall	Shall be effective for a fixed term not to exceed five years.	6111.0	3 State general authority - 6111.03 (G)	no	no	no
			Shall be automatically terminated unless construction is initiated within eighteen					
			months after the date the director grants coverage under the general permit to					
3745-42-06	C3b	shall	install.	6111.0	3 State general authority - 6111.03 (G)	no	no	no
			Extensions of coverage under the general permit to install shall not exceed twelve					
3745-42-06	C3c	shall not	months.	6111.0	3 State general authority - 6111.03 (G)	no	no	no
			A general permit to install shall be issued, modified, revoked or denied, or may be					
			appealed, in accordance with the provisions of the rules of procedure of Ohio EPA,					
3745-42-06	E	shall	Chapters 3745-47 and 3745-49 of the Administrative Code.	6111.0	3 State general authority - 6111.03 (G)	no	no	no
2745 42 00	62		The director may require any person who has submitted a notice of intent to obtain		2 (5-1			
3745-42-06	C2	require	coverage under an individual or alternative general permit to install.	6111.0	3 State general authority - 6111.03 (G)	no	no	no
			The director may require any person who has requested as abtained assured					
2745_42 OF	G	roquiro	The director may require any person who has requested or obtained coverage under a general permit to install to apply for and obtain the following:	6111.0	2) State general authority (6111.03.70)	200	no	no
3745-42-06	U	require	Circumstances where the director may require an individual permit to install	6111.0	3 State general authority - 6111.03 (G)	no	no	no
3745-42-06	G1	require	include, but are not limited to, the following:	£111 O	3 State general authority - 6111.03 (G)	no	no	no
5775-72-00	01	require	Circumstances where the director may require alternative general permit coverage		State Beneral authority - 0111.03 (d)	IIIU	110	110
3745-42-06	G2	require	include, but are not limited to, the following:		3 State general authority - 6111.03 (G)	no	no	no
2. 13 12 00		require	Except as provided in paragraph (C) of this rule, a disposal system shall meet best	0111.0	Justic Benefit dutilotity 0111.05 (d)			110
3745-42-07	B2	shall	available technology criteria to be approved.	6111 0	3 State general authority - 6111.03 (G)	no	no	no
	1	12	In the second contract of the second contract	0111:0		1	1	I <u>*</u>

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			The petitioner shall also have the burden of demonstrating to the satisfaction of the				
45-42-07	C1	shall	director that the alternative to the sanitary sewer connection will not adversely affect human health or the environment.	6111 02 State general puthority, 6111 02 (C)	200	200	20
+3-42-07	CI	Sildii	affect fidinal fleatiff of the environment.	6111.03 State general authority - 6111.03 (G)	no	no	no
			A petition for exemption shall be submitted in writing and signed in accordance				
			with rule 3745-42-03 of the Administrative Code, prior to submittal of any NPDES				
			permit, permit to install or plan approval applications for the alternative disposal				
45-42-07	C2	shall	system, and shall include, at a minimum, the following:	6111.03   State general authority - 6111.03 (G)	no	no	no
45-42-07	CZ	Silali	system, and shall include, at a minimum, the following.	officos State general authority - officos (o)	110	110	110
			A petition for exemption shall be submitted in writing and signed in accordance				
			with rule 3745-42-03 of the Administrative Code, prior to submittal of any NPDES				
			permit, permit to install or plan approval applications for the alternative disposal				
745-42-07	C2	shall	system, and shall include, at a minimum, the following:	6111.03 State general authority - 6111.03 (G)	no	no	no
745-42-07	C3	shall not	An incomplete petition shall not be considered.	6111.03 State general authority - 6111.03 (G)	no	no	no
743-42-07	CS	Shall flot	An incomplete petition shall not be considered.	officos State general authority - officos (d)	110	110	110
			Any petitioner who submits an incomplete petition shall be notified within thirty				
			days of receipt of the application of the nature of deficiency and of the director's				
745-42-07	СЗ	shall	refusal to consider the petition until the deficiency is corrected.	6111.03 State general authority - 6111.03 (G)	no	no	yes
743-42-07		Silali	Failure to correct the deficiency within thirty days of notice shall result in denial of	officos State general authority - officos (d)	110	110	yes
745-42-07	C3	shall	the petition.	6111.03 State general authority - 6111.03 (G)	no	no	no
743-42-07		Silali	the petition.	officos State general authority - officos (d)	110	110	110
			The director shall grant or deny the petition for exemption by order within ninety				
3745-42-07	C4	shall	days of the date on which a complete petition for exemption is received.	6111.03 State general authority - 6111.03 (G)	no	no	V05
1745-42-07	C4	Silali	days of the date off which a complete perition for exemption is received.	6111.05 State general authority - 6111.05 (G)	110	no	yes
			Connection into existing publishs owned or regional conitary sowers shall be				
745-42-07	D1	shall	Connection into existing publicly owned or regional sanitary sewers shall be required for the disposal of sewage when said sewers are accessible and available.	6111 02 State general authority 6111 02 (C)	200	200	20
745-42-07	D1 D1	shall	Accessible and available shall be determined as follows:	6111.03   State general authority - 6111.03 (G) 6111.03   State general authority - 6111.03 (G)	no no	no no	no no
1745-42-07	DI	Stidii	Installation of new centralized collection and treatment shall be required for the	6111.05 State general authority - 6111.05 (G)	110	110	110
			disposal of sewage when the cumulative design flow of sewage for a proposed				
			larger common plan of development or sale is greater than twenty-five thousand				
3745-42-07	D2	-l II	gallons per day if sanitary sewers are not accessible or available as per paragraph (D)(1) of this rule.	C444 03 Chata annual suith suits. C444 03 (C)			
3/45-42-0/	D2	shall	T TO T	6111.03 State general authority - 6111.03 (G)	no	no	no
			Notwithstanding the issuance or non-issuance of a permit to install or plan approval				
			for a non publicly owned or non regional disposal system treating sewage,				
			whenever a publicly owned or regional sanitary sewer system becomes accessible				
			and available, the permittee shall properly abandon the disposal system and				
745 42 07	55		connect into the publicly owned or regional sanitary sewer system and properly	C444 00 (C)			
745-42-07	D5	shall	close the disposal system.	6111.03 State general authority - 6111.03 (G)	no	no	no
			Connection into the publicly owned or regional sanitary sewer system shall be made				
			within three years of accessibility and availability, unless an alternative time frame				
			is authorized by the director, considering the age of the disposal system, level of				
745 40 07	25		treatment being provided, economic hardship, and compliance with applicable	C444 00 (C)			
745-42-07	D5	shall	laws.	6111.03 State general authority - 6111.03 (G)	no	no	no
745-42-07	D6	shall	The director shall specify a time frame for connection.	6111.03 State general authority - 6111.03 (G)	no	no	yes
			As applicable, the applicant shall include the following items in the disposal system				
745-42-07	E	shall	design or treatment technology selection:	6111.03 State general authority - 6111.03 (G)	no	no	no
			[Comment: A brief description of how a project achieves best available technology				
745 40 05	D.2		is required to be submitted as part of a permit to install application or plan	6444 00 00 00 00 00 00 00 00 00 00 00 00			
745-42-07	B2	require	approval in accordance with rule 3745-42-03 of the Administrative Code.]	6111.03 State general authority - 6111.03 (G)	no	no	no
			Any additional information as the director may require to protect human health or				
745-42-07	C2d	require	the environment.	6111.03 State general authority - 6111.03 (G)	no	no	no
			Connection into existing publicly owned or regional sanitary sewers shall be				
745-42-07	D1	require	required for the disposal of sewage when said sewers are accessible and available.	6111.03 State general authority - 6111.03 (G)	no	no	no
			[Comment: For example, if an existing business is located two hundred and forty				
			feet from the corner of the building to the sanitary sewer right-of-way, the business				
745-42-07	D1c	require	will be required to connect to the sewer.]	6111.03 State general authority - 6111.03 (G)	no	no	no

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			[Comment: For example, if a new business is proposed on a single lot, and the edge				
			of the property line is two hundred and ninety feet from the existing sanitary sewer				
3745-42-07	D1d	require	right-of-way, the business will be required to connect to the sewer.]	6111.03 State general authority - 6111.03 (G)	no	no	no
			[Comment: For example, if phase one of a proposed commercial park will contain				
			five structures, and phase two of the project, that will not be constructed for six				
			years, will contain six structures, and the sanitary sewer right-of-way is one				
			thousand four hundred feet away from the nearest property line in phase one of				
			the development, the commercial park will be required to connect since two				
			hundred feet per structure multiplied by eleven structures equals two thousand two				
3745-42-07	D1e	require	hundred feet, which is greater than one thousand four hundred feet.	6111.03 State general authority - 6111.03 (G)	no	no	no
			8		112		
			[Comment: It should be noted that even if phase two is constructed first,				
			connection to sewers would be required since the larger plan of development				
3745-42-07	D1e	require	results in a structure being located within two thousand two hundred feet.]	6111.03 State general authority - 6111.03 (G)	no	no	no
	_		(2)Installation of new centralized collection and treatment shall be required for the			_	-
			disposal of sewage when the cumulative design flow of sewage for a proposed				
			larger common plan of development or sale is greater than twenty-five thousand				
			gallons per day if sanitary sewers are not accessible or available as per paragraph				
3745-42-07	D2	require	(D)(1) of this rule.	6111.03 State general authority - 6111.03 (G)	no	no	no
3745-42-07	D2	require	This requirement does not preclude multiple or "cluster" type systems.	6111.03 State general authority - 6111.03 (G)	no	no	no
			[Comment: Chapter 6111. of the Revised Code requires the director to give				-
			consideration to the technical feasibility and economic reasonableness in the				
3745-42-07	D4	require	issuance of the order.]	6111.03 State general authority - 6111.03 (G)	no	no	no
						_	-
			(6)Notwithstanding the issuance or non-issuance of a permit to install or plan				
			approval for a disposal system treating industrial waste or other waste or industrial				
			waste or other waste and sewage, whenever a publicly owned or regional sanitary				
			sewer system becomes accessible and available, the director may require the				
			disposal system to be properly abandoned and connected into the publicly owned				
			or regional sanitary sewer system and properly modify or close the disposal system				
			and may consider factors including, but not limited, to compatibility of waste,				
			treatability of waste, volume of waste to be disposed, economic hardship and				
3745-42-07	D6	require	compliance with other applicable laws.	6111.03 State general authority - 6111.03 (G)	no	no	no
3745-42-07	E3	require	Design criteria required under this chapter.	6111.03   State general authority   6111.03 (G)	no	no	no
3743 42 07		require	Industrial waste pre-treatment standards required under Chapters 3745-3 and 3745-	office general authority offices (a)	110	110	110
3745-42-07	E4	require	36 of the Administrative Code.	6111.03 State general authority - 6111.03 (G)	no	no	no
3743-42-07	LT	require	Treatment standards for sewage sludge required under Chapter 3745-40 of the	officos State general authority = officos (o)	110	110	110
3745-42-07	E5	require	Administrative Code.	6111.03   State general authority - 6111.03 (G)	no	no	no
3743-42-07		require	Except as provided in paragraphs (B) to (E) of this rule, the minimum isolation	officos State general authority - officos (o)	110	110	110
3745-42-08	_	shall	distances in table A-1 of this rule shall be maintained.	6111.03 State general authority - 6111.03 (G)	no	no	no
3743-42-06	A	Silali	distances in table A-1 of this rule shall be maintained.	officos State general authority - officos (G)	no	no	110
			[Comment: In the case of any reference to any building, the measurement shall be				
			taken from the outside wall of the building. In the case of any reference to a				
			treatment works or a component of the treatment works or a pump station, the				
			measurement shall be taken from the closest point on the perimeter of the				
			treatment works, the component of the treatment works, or the pump station. In the case of any reference to an earthen lagoon or storage facility, the measurement				
2745 42 00		ah all		C111 03 State general suth ority. C111 03 (C)			
3745-42-08	A	shall	shall be taken from the outer bank or the toe of the earthen impoundment.]	6111.03 State general authority - 6111.03 (G)	no	no	no
			[Comments In the case of any reference to any building the recognizance to hall be				
			[Comment: In the case of any reference to any building, the measurement shall be				
			taken from the outside wall of the building. In the case of any reference to a				
			treatment works or a component of the treatment works or a pump station, the				
			measurement shall be taken from the closest point on the perimeter of the				
			treatment works, the component of the treatment works, or the pump station. In				
			the case of any reference to an earthen lagoon or storage facility, the measurement				
3745-42-08	А	shall	shall be taken from the outer bank or the toe of the earthen impoundment.]	6111.03 State general authority - 6111.03 (G)	no	no	no

		•					
			[Comment: In the case of any reference to any building, the measurement shall be				
			taken from the outside wall of the building. In the case of any reference to a				
			treatment works or a component of the treatment works or a pump station, the				
			measurement shall be taken from the closest point on the perimeter of the				
			treatment works, the component of the treatment works, or the pump station. In				
			the case of any reference to an earthen lagoon or storage facility, the measurement				
3745-42-08	Α	shall	shall be taken from the outer bank or the toe of the earthen impoundment.]	6111.03 State general authority - 6111.03 (G)	no	no	no
			Where a greater isolation distance requirement exists as a condition of a permit, the				
3745-42-08	B1	shall	greater isolation distance requirement shall prevail.	6111.03 State general authority - 6111.03 (G)	no	no	no
			All comments shall be forwarded to the director or an authorized representative for				
3745-42-08	C1b	shall	consideration.	6111.03 State general authority - 6111.03 (G)	no	no	no
			All comments shall be forwarded to the director or an authorized representative for				
3745-42-08	C2c	shall	their consideration.	6111.03 State general authority - 6111.03 (G)	no	no	no
3745-42-08	Table A-1	require	Minimum isolation distance required from an occupied building	6111.03 State general authority - 6111.03 (G)	no	no	no
3745-42-08	Table A-1	require	Minimum isolation distance required from surface waters of the state	6111.03 State general authority - 6111.03 (G)	no	no	no
3743-42-00	Table A-1	require	·	office general authority offices (G)	110	110	110
			After considering either the potential impacts to neighboring buildings or prevailing				
			wind directions, the director may increase an isolation distance set forth in table A-				
			1 of this rule or require mitigative measures such as additional freeboard, landscape				
			mounds, fencing, trees or other means to reduce the impacts in the following				
3745-42-08	В	require	situations:	6111.03 State general authority - 6111.03 (G)	no	no	no
			To protect public health or the environment from a significant threat, the director				
			may require other mitigative measures, such as additional freeboard, landscape				
			mounds, fencing, trees or other means to reduce the impacts when smaller isolation				
3745-42-08	D	require	distances are allowed.	6111.03 State general authority - 6111.03 (G)	no	no	no
			For any disposal system constructed prior to September 1, 2009, to protect public				
			health or the environment, the director may require other mitigative measures				
3745-42-08	E	require	when isolation distances smaller than those listed in table A-1 of this rule exist.	6111.03 State general authority - 6111.03 (G)	no	no	no
			For example, mitigative measures could be required as a result of documented odor				
3745-42-08	E	require	complaints or a breach or overflow that caused harm to life, health or property.	6111.03 State general authority - 6111.03 (G)	no	no	no
		·	[Comment: Some portable units include individual storage tanks for the discharge				
			from sinks and the discharge from toilets. The total additive volume of both tanks				
3745-42-11	B2b	shall not	shall not exceed five hundred gallons.]	6111.03 State general authority - 6111.03 (G)	no	no	no
			A sewage holding tank for existing onsite sewage disposal system or other				
			unauthorized discharging system prohibition. Except as provided in paragraphs				
			(C)(3) to (C)(4)(d)(iii) of this rule, a sewage holding tank shall not be installed to				
			replace an existing onsite sewage disposal system or other unauthorized discharging				
3745-42-11	C1	shall not	system except in the following instances:	6111.03 State general authority - 6111.03 (G)	no	no	no
J, 7J-72-11	C1	SHall HOL	Except as provided in paragraphs (C)(2)(a) to (C)(2)(c) of this rule and paragraphs	OTTI.OS State Benefal authority - OTTI.OS (G)	110	110	IIIO
			(C)(3) to (C)(4)(d)(iii) of this rule, a new sewage holding tank shall not be installed to				
2745 42 44	63	ahall+	serve a building that is currently not served by a disposal system except in the	C111 03 Chata agreed with with C111 03 (C)			
3745-42-11	C2	shall not	following instances:	6111.03 State general authority - 6111.03 (G)	no	no	no
			The director may allow a sewage holding tank, provided it is located within a				
			recreational vehicle park, a recreation camp, a combined park-camp, or a				
			temporary park-camp for which Ohio EPA shall adopt rules under section 6111.46 of				
3745-42-11	C3	shall	the Revised Code and is designed in accordance with this rule.	6111.03 State general authority - 6111.03 (G)	no	no	yes
			Except as provided in paragraphs (B) and (D) of this rule, a person shall not cause,				
			permit or allow the installation or modification of a holding tank without first				
3745-42-11	E1a	shall not	obtaining a permit to install from the director.	6111.03 State general authority - 6111.03 (G)	no	no	no
			For any holding tank to be used as a replacement for an existing sewage disposal				
			system, the applicant shall demonstrate to the director's satisfaction that				
			connecting to a sanitary sewer or constructing an onsite sewage disposal system is				
3745-42-11	E1b	shall	not feasible.	6111.03 State general authority - 6111.03 (G)	no	no	no
				2 - 1 - 2 - 1 - 2			
			At a minimum, the applicant shall submit the following information to the director				
3745-42-11	E1b	shall	or an authorized representative for consideration and determination:	6111.03 State general authority - 6111.03 (G)	no	no	no
U. 10 TZ 11	1-10	Jiluli	5. d.: destroited representative for consideration and determination.	official antionity official (a)	1.10	1.10	10

	1	T				1		
			In addition to the information in the general soil survey, the location of any soil					
			delineations and the location and number of soil probes, pits or borings necessary					
			to describe the soil conditions shall be determined by a professional soil scientist for					
3745-42-11	E1bviii	shall	the site.	6111.03	State general authority - 6111.03 (G)	no	no	no
3745-42-11	E1bviii	shall	The soil delineations, soil probes, soil pits or soil borings shall include the following:	6111.03	State general authority - 6111.03 (G)	no	no	no
			In areas where glacial till and fractured bedrock substratum soils are in close		, , ,			
			proximity, the soil investigation shall be done to a depth of at least fifty inches or					
3745-42-11	E1bviiic	shall	until bedrock is encountered.	6111.03	State general authority - 6111.03 (G)	no	no	no
			Except as provided in paragraph (E)(2)(b) of this rule, for any holding tank that will		, , ,			
			contain industrial waste, the proposed holding tank shall be used exclusively to					
3745-42-11	E2a	shall	collect, hold or store industrial waste.	6111.03	State general authority - 6111.03 (G)	no	no	no
					, , ,			
			For any sewage holding tank installed after September 1, 2009, a person shall not					
			cause, permit or allow the operation of a holding tank without first obtaining a					
3745-42-11	E3a	shall not	holding tank management plan in accordance with paragraph (G) of this rule.	6111.03	State general authority - 6111.03 (G)	no	no	no
			When any holding tank management plan is submitted in the absence of a permit to					
			install, such as a renewal or as a result of noncompliance in accordance with					
			paragraph (J) of this rule, the holding tank management plan application fee shall					
3745-42-11	E3bii	shall	apply.	6111.03	State general authority - 6111.03 (G)	no	no	no
		-	For any in-ground or partially in-ground holding tank, an applicant shall, at a		, , , , , , , , , , , , , , , , , , , ,	-		
			minimum, incorporate the following into the applications and into the design and					
3745-42-11	F1	shall	operation of the holding tank and related equipment:	6111.03	State general authority - 6111.03 (G)	no	no	no
			The inner surface or the lining of the holding tank shall be compatible with the		, , ,			
3745-42-11	F1a	shall	sewage or industrial waste that the tank is proposed to hold.	6111.03	State general authority - 6111.03 (G)	no	no	no
3745-42-11	F1b	shall not	The holding tank shall not leak from its sides, bottom, seams or top.		State general authority - 6111.03 (G)	no	no	no
			The holding tank shall meet or exceed H 20 loading if the tank is completely below					
3745-42-11	F1c	shall	ground.	6111.03	State general authority - 6111.03 (G)	no	no	no
			The holding tank foundation shall be capable of supporting the holding tank when					
			the tank is full of sewage or industrial waste and shall be capable of preventing					
3745-42-11	F1d	shall	uplift of the tank when the tank is empty.	6111.03	State general authority - 6111.03 (G)	no	no	no
•			The holding tank foundation shall be capable of supporting the holding tank when					
			the tank is full of sewage or industrial waste and shall be capable of preventing					
3745-42-11	F1d	shall	uplift of the tank when the tank is empty.	6111.03	State general authority - 6111.03 (G)	no	no	no
			The holding tank shall be designed and constructed without storm water					
3745-42-11	F1e	shall	connections and to prevent inflow and infiltration from entering the holding tank.	6111.03	State general authority - 6111.03 (G)	no	no	no
			For any holding tank connected to a water supply, the tank shall be equipped with					
3745-42-11	F1f	shall	the following features:	6111.03	State general authority - 6111.03 (G)	no	no	no
			The alarm system shall be activated when the level of sewage or industrial waste					
			reaches seventy-five per cent of the holding tank capacity and the alarm signal shall					
3745-42-11	F1fi	shall	be transmitted to a staffed location or clearly visible to a staffed location.	6111.03	State general authority - 6111.03 (G)	no	no	no
			The alarm system shall be activated when the level of sewage or industrial waste					
			reaches seventy-five per cent of the holding tank capacity and the alarm signal shall					
3745-42-11	F1fi	shall	be transmitted to a staffed location or clearly visible to a staffed location.	6111.03	State general authority - 6111.03 (G)	no	no	no
			The tank shall be labeled, or a legible sign shall be placed immediately adjacent to					
			the holding tank, with the words "Non-Hazardous Sewage" or "Non-Hazardous					
3745-42-11	F1g	shall	Industrial Waste," whichever term applies to the tank in question.	6111.03	State general authority - 6111.03 (G)	no	no	no
			The tank shall be labeled, or a legible sign shall be placed immediately adjacent to					
			the holding tank, with the words "Non-Hazardous Sewage" or "Non-Hazardous					
3745-42-11	F1g	shall	Industrial Waste," whichever term applies to the tank in question.	6111.03	State general authority - 6111.03 (G)	no	no	no
			Signs that direct persons to notify the Ohio environmental protection agency's spill					
			hotline (1-800-282-9378) in an event of a release shall be placed in clearly visible					
3745-42-11	F1h	shall	locations around the tank.	6111.03	State general authority - 6111.03 (G)	no	no	no
	1	1	The application shall include an operation and maintenance plan that, at a					
3745-42-11	F1i	shall	minimum, contains all of the following:		State general authority - 6111.03 (G)			

			For any in-ground or partially in-ground holding tank that is designed to contain,				
3745-42-11	F1j	shall	store or hold sewage, the holding tank shall meet the following limitations:	6111.03 State general authority - 6111.03 (G)	no	no	no
3743 42 11	1 +1	Silan	Unless otherwise determined by the director, the maximum allowable design flow	office general dutility offices (a)		110	110
3745-42-11	F1ji	shall not	into the tank shall not exceed six hundred gallons per day.	6111.03 State general authority - 6111.03 (G)	no	no	no
3743 42 11	1 ±11	Silan flot	The design of the tank shall provide for a minimum storage capacity of ten times the	office general dutility offices (d)		110	110
3745-42-11	F1jii	shall	daily design flow.	6111.03 State general authority - 6111.03 (G)	no	no	200
3743-42-11	Lījii	Silali	· ·	offi.03 State general authority - offi.03 (d)	no	no	no
2745 42 44	E4 ::::	-h - II	The tank volume shall be greater than or equal to one thousand gallons and less	C444 03 Ct-t			
3745-42-11	F1jiii	shall	than or equal to seven thousand five hundred gallons.	6111.03 State general authority - 6111.03 (G)	no	no	no
			For any above-ground holding tank, an applicant shall, at a minimum, incorporate				
			the following into the applications and into the design and operation of the holding				
3745-42-11	F2	shall	tank and related equipment:	6111.03 State general authority - 6111.03 (G)	no	no	no
			The inner surface or the lining of the holding tank shall be compatible with the				
3745-42-11	F2a	shall	sewage or industrial waste that the tank is holding.	6111.03 State general authority - 6111.03 (G)	no	no	no
3745-42-11	F2b	shall	The holding tank shall be equipped with the following features:	6111.03 State general authority - 6111.03 (G)	no	no	no
			The alarm system shall be activated when the level of sewage or industrial waste				
			reaches seventy-five per cent of the holding tank capacity and the alarm signal shall				
3745-42-11	F2bi	shall	be transmitted to a staffed location or clearly visible to a staffed location.	6111.03 State general authority - 6111.03 (G)	no	no	no
			, and the second	, , , ,			
			The alarm system shall be activated when the level of sewage or industrial waste				
			reaches seventy-five per cent of the holding tank capacity and the alarm signal shall				
3745-42-11	F2bi	shall	be transmitted to a staffed location or clearly visible to a staffed location.	6111.03 State general authority - 6111.03 (G)	no	no	no
3743 42 11	1201	Silan	be transmitted to a started location of clearly visible to a started location.	office general dutionty office (a)		110	110
			The tank shall be labeled, or a legible sign shall be placed immediately adjacent to				
2745 42 44	F2 -	-h - II	the holding tank, with the words "Non-Hazardous Sewage" or "Non-Hazardous	C444 03 Ct-t			
3745-42-11	F2c	shall	Industrial Waste," whichever term applies to the tank in question.	6111.03 State general authority - 6111.03 (G)	no	no	no
			The tank shall be labeled, or a legible sign shall be placed immediately adjacent to				
			the holding tank, with the words "Non-Hazardous Sewage" or "Non-Hazardous				
3745-42-11	F2c	shall	Industrial Waste," whichever term applies to the tank in question.	6111.03 State general authority - 6111.03 (G)	no	no	no
			Signs that direct persons to notify the Ohio environmental protection agency's spill				
			hotline (1-800-282-9378) in an event of a release shall be placed in clearly visible				
3745-42-11	F2d	shall	locations around the tank.	6111.03 State general authority - 6111.03 (G)	no	no	no
			The application shall include an operation and maintenance plan that, at a				
3745-42-11	F2e	shall	minimum, contains all of the following:	6111.03 State general authority - 6111.03 (G)	no	no	no
			In addition, above-ground holding tanks that are designed to contain, store or hold				
3745-42-11	F2f	shall	sewage shall meet the following limitations:	6111.03 State general authority - 6111.03 (G)	no	no	no
			Unless otherwise determined by the director, the maximum allowable design flow				
3745-42-11	F2fi	shall not	into the tank shall not exceed six hundred gallons per day.	6111.03 State general authority - 6111.03 (G)	no	no	lno
07.10 12.22		Silan iide	The design of the tank shall provide for a minimum storage capacity of ten times the	011100   Ottober   General authority   0111100 (c)		0	
3745-42-11	F2fii	shall	daily design flow.	6111.03 State general authority - 6111.03 (G)	no	no	no
3743-42-11	1 2111	Silaii	The tank volume shall be greater than or equal to one thousand gallons and less	officos State general authority - officos (o)		110	110
3745-42-11	F2fiii	shall	than or equal to seven thousand five hundred gallons.	6111.03 State general authority - 6111.03 (G)			
3743-42-11	FZIIII	Sildii	than or equal to seven thousand live number gallons.	6111.03 State general authority - 6111.03 (G)	no	no	no
			Event or municipal in management (EVOV-I) of this mile according				
			Except as provided in paragraph (F)(3)(d) of this rule, secondary containment, as				
		<b>.</b>	described in this rule, shall be provided for above-ground, in-ground or partially in-				
3745-42-11	F3	shall	ground holding tanks that contain, store or hold industrial waste.	6111.03 State general authority - 6111.03 (G)	no	no	no
			The secondary containment system shall be designed, installed, and operated to				
			prevent any migration of waste from the tank to the soil, ground water, or surface				
3745-42-11	F3a	shall	water.	6111.03 State general authority - 6111.03 (G)	no	no	no
			The secondary containment system shall be capable of detecting the release of any				
			waste from the tank, and collecting such released waste until the collected waste is				
3745-42-11	F3a	shall	removed.	6111.03 State general authority - 6111.03 (G)	no	no	no
<del>-</del>			Secondary containment system for holding tank containing industrial waste shall be,	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3		, <del>.</del>	
3745-42-11	F3b	shall	at a minimum, all of the following:	6111.03 State general authority - 6111.03 (G)	no	no	no
5/75 74-11	י טע	Juli	at a minimum, an or the following.	officos state general authority - officos (o)		110	1110

		1				<u> </u>	
			College on broken and a support based on a state of the s				
			Spilled or leaked waste and accumulated precipitation shall be removed from the				
			secondary containment system within twenty-four hours of becoming aware of the				
			spill or leak, or as soon as possible to prevent harm to human health or the				
			environment, if removal of the released waste or accumulated precipitation cannot				
3745-42-11	F3biv	shall	be accomplished within twenty-four hours.	6111.03 State general authority - 6111.03 (G)	no	no	no
			Secondary containment for holding tanks containing industrial waste shall include				
3745-42-11	F3c	shall	one or more of the following devices:	6111.03 State general authority - 6111.03 (G)	no	no	no
			For any sewage holding tank installed after September 1, 2009 and except as				
			provided in paragraphs (B) and (G)(3) of this rule, no person shall install or operate a				
			sewage holding tank without first obtaining a permit to install and holding tank				
3745-42-11	G2	shall	management plan approval from the director.	6111.03 State general authority - 6111.03 (G)	no	no	no
			A renewal holding tank management plan shall be submitted to Ohio EPA at least				
3745-42-11	G2a	shall	six months prior to expiration of any existing holding tank management plan.	6111.03 State general authority - 6111.03 (G)	no	no	no
o, .o	024	511411	on monato prior to expression or any existing norming turn management prior	0111100 01010 01010 101110 (0)			
			If a person submits a renewal holding tank management plan six months prior to				
			expiration of the existing plan and Ohio EPA has not approved the new holding tank				
			management plan prior to the expiration of the existing holding tank management				
2745 42 44	C2e <sup>i</sup>	ah - !!	plan, the existing holding tank management plan shall be effective until the new	C111 03 State governd with with C111 03 (C)	w -		
3745-42-11	G2ai	shall	holding tank management plan is acted upon by the director.	6111.03 State general authority - 6111.03 (G)	no	no	no
3745-42-11	G2b	shall	Application shall be on forms approved by the director.	6111.03 State general authority - 6111.03 (G)	no	no	no
3745-42-11	G2c	shall	Application shall be in narrative form and shall include the following:	6111.03 State general authority - 6111.03 (G)	no	no	no
3745-42-11	G2c	shall	Application shall be in narrative form and shall include the following:	6111.03 State general authority - 6111.03 (G)	no	no	no
3745-42-11	G3a	shall	The sewage holding tank shall be protective of public health and the environment.	6111.03 State general authority - 6111.03 (G)	no	no	no
			Any person who owns or operates a holding tank shall keep the following records at				
			the facility for the time specified and make these records available to the director,				
3745-42-11	Н	shall	or an authorized representative, within a reasonable time upon request:	6111.03 State general authority - 6111.03 (G)	no	no	no
3745-42-11	H3	shall	The records shall include, at a minimum, the following:	6111.03 State general authority - 6111.03 (G)	no	no	no
			For any above-ground holding tank, the owner or operator of the tank shall perform				
3745-42-11	l1	shall	all of the following:	6111.03 State general authority - 6111.03 (G)	no	no	no
			For any in-ground or partially in-ground holding tank, the owner or operator of the				
3745-42-11	12	shall	tank shall perform all of the following:	6111.03 State general authority - 6111.03 (G)	no	no	no
			The owner or operator of the holding tank shall notify the director or an authorized				
			representative of the following within thirty days of the holding tank				
3745-42-11	13	shall	decommissioning:	6111.03 State general authority - 6111.03 (G)	no	no	no
			A holding tank shall be designed, operated and maintained in accordance with this				
3745-42-11	J1	shall	rule.	6111.03 State general authority - 6111.03 (G)	no	no	no
3745-42-11	В	require	A permit to install or management plan is not required for any of the following:	6111.03 State general authority - 6111.03 (G)	no	no	no
		·	A permit to install is not required for the modification of a holding tank, when the				
3745-42-11	D	require	modification will do either of the following:	6111.03 State general authority - 6111.03 (G)	no	no	no
		'	[Comment: Regardless of a permit to install exemption, the director may require a				
			holding tank management plan, in accordance with paragraphs (G)(3) to				
3745-42-11	D	require	(G)(3)(b)(iii) of this rule.]	6111.03 State general authority - 6111.03 (G)	no	no	no
o, .o . <u>r</u> <u></u>		. equile	Demonstration that a sewage disposal system is required for the building because	ozzalos state general authority ozzzalos (e)			
			the state or local plumbing code requires that restrooms or running water be				
3745-42-11	E1v	require	provided for the building.	6111.03 State general authority - 6111.03 (G)	no	no	no
J, 7J-74 <sup>-</sup> 11	LIV	require	Demonstration that a sewage disposal system is required for the building because	OTTT.00 State Belleral autilOffity - OTTT.00 (G)	110	no	no
			the state or local plumbing code requires that restrooms or running water be				
2745 42 44	E1			6111 03 State general outle with 5 6111 03 (C)			no
3745-42-11	E1v	require	provided for the building.	6111.03 State general authority - 6111.03 (G)	no	no	no
7745 42 44	F4:::::-		To protect public health or the environment, the director or authorized	(111 03 (1-1			m -
3745-42-11	E1viiic	require	representative may require deeper soil probes, soil pits or soil borings.	6111.03 State general authority - 6111.03 (G)	no	no	no
			Miles - helds				
			When a holding tank management plan is part of the permit to install application,				
3745-42-11	E3bi	require	the only application fee required is the permit to install application fee.	6111.03 State general authority - 6111.03 (G)	no	no	no
			No separate application fee or director's action is required for a holding tank				
3745-42-11	E3bi	require	management plan.	6111.03 State general authority - 6111.03 (G)	no	no	no

			When a halding took management plan and traction to submitted and the Co.			1	<del></del>	
2745 42 44	Eapiii	rocuiro	When a holding tank management plan application is submitted as a termination of		6111 03 State general authority 6111 03 (C)	n	no	20
3745-42-11	E3biii	require	the holding tank management plan, no fee is required.		6111.03 State general authority - 6111.03 (G)	no	no	no
2745 42 44	E4 11.		As applicable, a plan for the operation and maintenance of the equipment required		C111 03 Chata and and another C111 03 (C)			
3745-42-11	F1iiv	require	in paragraph (F)(1)(f) of this rule		6111.03 State general authority - 6111.03 (G)	no	no	no
2745 42 44	·		As applicable, a plan for the operation and maintenance of the equipment required		5111 02 51 1 1 1 1 51 511 02 (5)			
3745-42-11	F2eiv	require	in paragraph (F)(2)(b) of this rule.		6111.03 State general authority - 6111.03 (G)	no	no	no
			Secondary containment is not required for above-ground, in-ground or partially in-					
			ground tanks that only contain, store or hold sewage unless the director or an					
		_	authorized representative determines that secondary containment for such tanks is					
3745-42-11	F3	require	needed to protect human health or the environment.		6111.03 State general authority - 6111.03 (G)	no	no	no
		_	Secondary containment for holding tanks as specified in this rule is not required if					
3745-42-11	F3d	require	the following criteria are met:		6111.03 State general authority - 6111.03 (G)	no	no	no
			The director may deny any sewage holding tank management plan application not					
			in compliance with this chapter and require the submittal of a new management					
		_	plan application, including all applicable fees, to be submitted to the director or an					
3745-42-11	G1	require	authorized representative, in accordance with the director's notification.		6111.03 State general authority - 6111.03 (G)	no	no	no
			The director may require any person that operates or owns a sewage holding tank					
			to submit a holding tank management plan in accordance with the director's					
			notification and paragraphs (G)(2) to (G)(2)(c)(vii) of this rule, where the director or					
3745-42-11	G3b	require	an authorized representative has determined any of the following:		6111.03 State general authority - 6111.03 (G)	no	no	no
			The director may deny any holding tank permit to install or management plan					
			application not in compliance with this rule and require the submittal of a new					
			permit to install or management plan application, including all applicable fees, to be					
3745-42-11	J2	require	submitted to Ohio EPA within thirty days of the final action.		6111.03 State general authority - 6111.03 (G)	no	no	no
			For the purposes of this rule, a liquid industrial waste agronomic benefit shall					
3745-42-13	Α	shall	provide for organic or nutrient enrichment of soil for plant growth.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
3745-42-13	C2	shall	No person shall land apply treated sewage or liquid industrial wastes as follows:	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			No person shall operate a land application system without an approved land					
3745-42-13	C4	shall	application management plan.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			No person shall operate a discharging land application system without an approved					
3745-42-13	C5	shall	NPDES permit and land application management plan	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			(1)A land application system shall be designed, operated and maintained in					
3745-42-13	D1	shall	accordance with this chapter and all other applicable rules and laws.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			(2)Any land application management plan application shall be on forms specified					
			by the director and shall include such additional information as the director deems					
3745-42-13	D2	shall	necessary.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			(2)Any land application management plan application shall be on forms specified					
			by the director and shall include such additional information as the director deems					
3745-42-13	D2	shall	necessary.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			No person shall allow the discharge of treated sewage or liquid industrial waste to					
			waters of the state from a land application system without first obtaining an NPDES					
3745-42-13	D3	shall	permit pursuant to Chapter 3745-33 of the Administrative Code.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			Any person proposing to use a land application system to treat sewage from two or					
			more homes or to treat ten thousand gallons per day or greater of sewage or liquid					
			industrial waste, and not proposing to contract with a public entity such as a county					
			or municipality to operate the disposal system, shall submit the following					
			information to demonstrate financial, legal and technical capability to own and					
3745-42-13	D4	shall	operate a disposal system:	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
3745-42-13	D4fii	shall	At a minimum, the financial plan shall include the following:	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
3745-42-13	E1	shall	A land application system shall be protective of public health and the environment.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			A land application system shall be operated in accordance with an approved land					
3745-42-13	E2a	shall	application management plan.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			Land application shall only occur at times identified in the approved land					
3745-42-13	E3	shall	application management plan.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)			

	1							
			Treated sewage or liquid industrial waste shall be land applied so as to minimize					
3745-42-13	E4	shall	direct human contact, and the potential for creating aerosols and mist.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			Signs shall be installed at the entrance to each land application site, to inform the				112	
			public that the land is used for land application of treated sewage or liquid					
3745-42-13	E5	shall	industrial waste.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
3745-42-13	E5	shall	At least one sign shall be posted at each field or site.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
3745-42-13	E5	shall	Each sign shall include notification of the following:	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			No treated sewage or liquid industrial waste shall be land applied within the					
			emergency management zone of a public water system using surface water or					
			within one thousand five hundred feet of any drinking water intake, whichever is					
			greater unless the treated sewage or liquid industrial waste meets the water					
			quality standards established for the public water supply use designation under					
3745-42-13	E6	shall	Chapter 3745-1 of the Administrative Code.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			No person shall install a land application system after July 1, 2007 without first					
3745-42-13	E7	shall	obtaining the following	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
3745-42-13	E7a	shall	A land application management plan shall conform to the following:	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
					, , ,			
1			A new land application management plan shall be submitted to Ohio EPA at least si	x				
3745-42-13	E7ai	shall	months prior to expiration of any existing land application management plan.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			If a person submits a new land application management plan six months prior to					
			expiration of the existing plan and Ohio EPA has not approved the new land					
			application management plan prior to the expiration of the existing land application	n				
			management plan, the existing land application management plan shall be effective	e				
3745-42-13	E7ai	shall	until the new land application management plan is approved by the director.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
3745-42-13	E7aii	shall	Be in narrative form and shall include the following:	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			The land application rates shall ensure that no runoff occurs into surface waters of					
3745-42-13	E7aiif	shall	the state.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			A written contingency plan to protect human health and the environment at down					
3745-42-13	E7aiik	shall	gradient receptors shall be prepared.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
3745-42-13	E7aiik	shall	At a minimum, the contingency plan shall include the following response actions:	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			[Comment: All treatment works that discharge are subject to water quality					
			standards rules, Chapter 3745-1 of the Administrative Code, and shall be processed	1				
			according to the procedures in rule 3745-1-05 of the Administrative Code					
			(antidegradation), Chapter 3745-2 of the Administrative Code, Chapter 3745-33 of					
			the Administrative Code, Chapter 3745-42 of the Administrative Code an					
3745-42-13	E7b	shall	Chapter 3745-49 of the Administrative Code.]	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			A land application system installed prior to July 1, 2007 shall be protective of public					
3745-42-13	E8	shall	health and the environment.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			The manufacture transition of the state of t					
			The permit to install application for any land application system with a design flow					
2745 42 42	F4	-111	less than ten thousand gallons per day and land application rates less than or equa		State and all outlier the C111 02 (C)			
3745-42-13	F1	shall shall	to twelve inches per acre per year shall conform to the following:	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
3745-42-13	F1b	Snaii	The site investigation report shall conform to the following:	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			This description shall include a man that is based as available records and a sur-					
3745-42-13	F1biii	shall	This description shall include a map that is based on available records and any information obtained from site visits. The map shall locate the following:	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	200	no	no
3745-42-13 3745-42-13	F1biii	shall	The map shall locate the following:	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G) State general authority - 6111.03 (G)	no no	no no	no no
3/43-42-13	LINIII	Stiali	The hydrogeological site investigation report shall be developed in accordance with		State general authority - 0111.03 (G)	110	110	IIO
3745-42-13	F1biv	shall	paragraph (M) of this rule.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
3/43-42-13	I TOIV	Stidil	If soil probes, soil pits or soil borings are required to characterize the site,	0111.03, 0111.04, 0111.44, 0111.43	State general authority - 0111.03 (G)	110	no	110
3745-42-13	F1bvie	shall	they shall be done in accordance with paragraph (N) of this rule.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
2, 43-45-13	I TOVIC	Silali	ancy shall be done in accordance with paragraph (N) of this fule.	0111.03, 0111.04, 0111.44, 0111.43	State general authority - 0111.03 (0)	110	110	IIIO
			In addition to the other requirements of this chapter, the detailed engineering plar					
3745-42-13	F1c	shall	shall also include a site plan that shall conform to the following:	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
5, 15 12 15	1 10	Jilali	Sites also include a site plan that shall comorn to the following.	0111.03, 0111.07, 0111.77, 0111.73	State general dutility - 0111.03 (0)	110	110	no no
1			In addition to the other requirements of this chapter, the detailed engineering plar					
3745-42-13	F1c	shall	shall also include a site plan that shall conform to the following:	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
J. 13 12 13	J. ±C	Silali	phan also morage a sice plan that shan comorm to the following.	0222.00, 0222.07, 0222.77, 0222.73	State Benefal dutilontly 0111.03 (0)	ļiio	1110	1.10

		<u> </u>					<u> </u>	
			[Comment: Isolation distances. In the case of any reference to a building, the					
			measurement shall be taken from the outside wall of the building. In the case of any	,				
			reference to a treatment works or a component of the treatment works or a pump					
			station, the measurement shall be taken from the closest point on the perimeter of					
			the treatment works, the component of the treatment works, or the pump station.					
			In the case of any reference to a lagoon or storage facility, the measurement shall					
3745-42-13	F1cii	shall	be taken from the outer bank or the toe of the impoundment.]	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
3743-42-13	FICII	Silali	be taken from the outer bank of the toe of the impoundment.]	0111.03, 0111.04, 0111.44, 0111.43	State general authority - 0111.03 (G)	110	110	110
			[Comment: Isolation distances. In the case of any reference to a building, the					
			measurement shall be taken from the outside wall of the building. In the case of any	,				
			reference to a treatment works or a component of the treatment works or a pump					
			station, the measurement shall be taken from the closest point on the perimeter of					
			the treatment works, the component of the treatment works, or the pump station.					
			In the case of any reference to a lagoon or storage facility, the measurement shall					
3745-42-13	F1cii	shall	be taken from the outer bank or the toe of the impoundment.]	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			[Comment: Isolation distances. In the case of any reference to a building, the					
			measurement shall be taken from the outside wall of the building. In the case of any	′				
			reference to a treatment works or a component of the treatment works or a pump					
			station, the measurement shall be taken from the closest point on the perimeter of					
			the treatment works, the component of the treatment works, or the pump station.					
			In the case of any reference to a lagoon or storage facility, the measurement shall					
3745-42-13	F1cii	shall	be taken from the outer bank or the toe of the impoundment.]	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			If applicable, include a treatment works operation and maintenance plan. If the					
			permit to install is for a treatment works as part of the land application system, the operation and maintenance plan shall address					
3745-42-13	F1e	shall	the following:	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	200
3743-42-13	FIE	Silali	the following.	0111.03, 0111.04, 0111.44, 0111.43	State general authority - 0111.03 (G)	no	no	no
			[Comment: The ultimate goal of the plan shall be to ensure the integrity of the liner					
3745-42-13	F1eiv	shall	system that will in turn protect the underlying ground water resources.]	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
3743 42 13	1 ICIV	Situit	system that will in turn protect the underlying ground water resources.	0111.03, 0111.04, 0111.44, 0111.43	State general authority offices (g)	110	110	no no
			A permit to install application for any land application system with a design					
			flow less than ten thousand gallons per day and land application rates greater					
3745-42-13	F2	shall	than twelve inches per acre per year, shall conform to the following:	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			A hydraulic and nutrient balance that supports the proposed size of land needed for					
3745-42-13	F2b	shall	land application shall be submitted with the permit to install.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			The hydraulic and nutrient balance shall demonstrate that the phosphorus and					
3745-42-13	F2b	shall	nitrogen loading rates will not adversely impact surface or ground waters.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
3745-42-13	F2b	shall	The application shall demonstrate the following:	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			The concentration of nitrate-nitrogen in the ground water below land on which					
			treated sewage or liquid industrial waste has been applied shall at all times be less than ten					
3745-42-13	F2bi	chall		6111 02 6111 04 6111 44 6111 45	State general authority - 6111.03 (G)	no	no	200
3745-42-13	F2bii	shall shall	milligrams per liter.  The soils shall be tested for phosphorus levels.	6111.03, 6111.04, 6111.44, 6111.45 6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no no	no no	no
J/4J-4Z-13	I ZUII	Silali	Samples shall be representative of a land application site with one composite soil	0111.03, 0111.04, 0111.44, 0111.45	State Beneral authority - 0111.03 (G)	110	IIIU	no
			sample representing no more than twenty-five acres or one composite soil sample					
3745-42-13	F2bii	shall	for each land application site, whichever is less.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
J. 13 12 13	1 2011	5.7011	A sample depth of 8 inches shall be used unless justified otherwise in the plan. The	0111.00, 0111.01, 0111.77, 0111.73	State Benefit dutilonty Office (0)	110	110	110
			Bray-Kurtz P1 extraction or					
			Mehlich 3 extraction shall be used to determine the background level unless an					
3745-42-13	F2bii	shall	alternative method is approved by the director.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			A sample depth of 8 inches shall be used unless justified otherwise in the plan. The		, , , , , , , , , , , , , , , , , , , ,			
			Bray-Kurtz P1 extraction or					
			Mehlich 3 extraction shall be used to determine the background level unless an					
3745-42-13	F2bii	shall	alternative method is approved by the director.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			Unless otherwise deemed acceptable by the director, the restriction of phosphorus					
			application shall be based on the phosphorus index method, as developed by the					
			natural resource					
3745-42-13	F2bii	shall	conservation service in Ohio.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no

		<u> </u>		T		1	<u> </u>	<u> </u>
			For soils with soil phosphorus test					
			results greater than one hundred fifty parts per million (three hundred pounds per					
			acre) Bray-Kurtz P1 extraction or one hundred seventy parts per million (three					
			hundred forty pounds per acre) Mehlich 3 extraction, the director shall not approve					
			land					
			application of treated sewage or liquid industrial waste unless the permit to install					
			demonstrates to the director, using a phosphorus index, that there is a low relative					
3745-42-13	F2bii	shall not	risk of phosphorus movement to waters of the state at the land application site.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	ves
07.10 12.20		5.14.1.1.6	A permit to install application for any land application system with a design		State Benefal additionely C111100 (C)			7.55
			flow greater than or equal to ten thousand gallons per day and land					
			application rates less than or equal to twelve inches per acre per year shall					
3745-42-13	F3	shall	conform to the following:	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
					, , ,			
			A permit to install application for any land application system with a design					
			flow greater than ten thousand gallons per day and land application rates					
3745-42-13	F4	shall	greater than twelve inches per acre per year shall conform to the following:	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			Except where specific design criteria or methodologies are required by this					
			rule, generally accepted design standards and methodologies shall be used to					
			design the treatment works, including any treatment lagoon, or the sewerage					
3745-42-13	G	shall	system that is part of any land application system.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
3745-42-13	H1	shall	A storage facility shall conform to the following:	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			[Comment: Isolation distances. In the case of any reference to a building, the					
			measurement shall be taken from the outside wall of the					
3745-42-13	H1a	shall	building.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			In the case of any reference to a treatment works or a component of the treatment					
			works or a pump station, the measurement shall be taken from the closest point or	1				
			the perimeter of the treatment works, the component of the treatment works, or					
3745-42-13	H1a comment	shall	the pump station.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			In the case of any reference to a lagoon or storage facility, the measurement shall					
3745-42-13	H1a comment	shall	be taken from the outer bank or the toe of the impoundment.]	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			A starona facility shall be designed with adaptions at area consists to provent a					
2745 42 42		-l II	A storage facility shall be designed with adequate storage capacity to prevent a	C111 02 C111 04 C111 44 C111 45	Chata are and south a situe CAAA 02 (C)			
3745-42-13 3745-42-13	H3 H3	shall shall	discharge to surface waters, except as permitted by an NPDES permit.  The minimum storage requirements in table H-2 of this rule shall be met.	6111.03, 6111.04, 6111.44, 6111.45 6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G) State general authority - 6111.03 (G)	no no	no no	no no
3743-42-13	пэ	Silali	The storage volume shall be calculated using the disposal system design flow and	0111.03, 0111.04, 0111.44, 0111.43	State general authority - 0111.03 (G)	110	110	110
			shall consider all hydraulic inputs and outputs, including the					
3745-42-13	НЗа	shall	following:	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
37 13 12 13	1100	Silan	The storage volume shall be calculated using the disposal system design flow and	0111.05, 0111.01, 0111.11, 0111.15	State general authority 0111.05 (0)	110	110	
			shall consider all hydraulic inputs and outputs, including the					
3745-42-13	НЗа	shall	following:	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			Freeboard requirements for storage facilities: the freeboard requirements in table I			1.0		
3745-42-13	H4	shall	3 of this rule shall be met.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
01.10 12.20						110	1.2	
			Except as provided in paragraphs					
			(H)(16) and (H)(17) of this rule, the storage facility shall have a recompacted clay					
			liner designed in accordance the following unless otherwise specified in the detailed	d				
3745-42-13	Н5	shall	engineering plans approved by the director:	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			No soil material used in the liner shall be placed or recompacted during weather					
			conditions, such as freezing temperatures or rain, that would interfere with					
3745-42-13	Н6	shall	adequate compaction or control of moisture content.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			Soil material used in the liner shall be placed in six inch to eight inch loose lifts at a					
			moisture content between zero per cent and four per cent above optimum					
3745-42-13	H7	shall	moisture content as determined by standard laboratory proctor.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			Soil material used in the liner shall be recompacted by using standard					
			engineering compaction methods and recompacted to a minimum compaction rate					
			of ninety-five per cent of standard dry density as determined by ASTM D698 or					
			greater as required to achieve 1 x 10-7 centimeters per second maximum					
3745-42-13	Н8	shall	permeability.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no

	-		The control of the co	1	T			
3745-42-13	Н8	shall	The most representative moisture-density curve shall be used to determine compaction rates.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
3743-42-13	110	Silali	compaction rates.	0111.03, 0111.04, 0111.44, 0111.43	State general authority - 0111.03 (G)	110	110	110
			Compacted soil material used in the liner shall be tested for density and					
			moisture content at a rate of one test per lift, with a minimum of one test for					
3745-42-13	Н9	shall	any day that soil material is compacted.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			7.7.		, , , , , , , , , , , , , , , , , , , ,			-
			When a density or moisture content test is not conducted in compliance with the					
			approved detailed engineering plans or the terms and conditions of the permit to					
			install, each lift shall be scarified and the moisture content adjusted and the soils					
			recompacted for the area that extends from the location of the failed test to one-					
3745-42-13	H10	shall	half the distance to the location of the nearest passed test, in all directions.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
3745-42-13	H10	shall	The recompacted area shall then be retested for compliance.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
					, , , ,			
3745-42-13	H11	shall	The results of density and moisture content testing shall be submitted to Ohio EPA.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
					(1)		-	-
			Soils used for the liner shall have from fifteen to thirty per cent clay content					
			and shall be classified as CL or SC by the unified classification system					
3745-42-13	H12	shall	(ASTM designation D2487).	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			,	, , , , , , , , , , , , , , , , , , , ,	J,	-	-	-
			Soils used for the liner shall have from fifteen to thirty per cent clay content					
			and shall be classified as CL or SC by the unified classification system					
3745-42-13	H12	shall	(ASTM designation D2487).	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			,		, , ,			
			When the classification of the proposed liner material can not be determined in					
			accordance with the unified classification system, hydraulic conductivity tests shall					
			be performed on the proposed lining material to confirm its classification and					
3745-42-13	H13	shall	ensure the proposed liner will be in accordance with paragraph (H)(5) of this rule.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
07.10.12.20	25	5.1.6.1		0111100, 011110 1, 011111 1, 01111 10	otate general authority office (e)			
			There shall be a minimum of three feet of fine-grained soil over fractured rock					
			outcrops or other highly permeable material, which may include the					
3745-42-13	H14	shall	recompacted liner.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
				, , , , , , , , , , , , , , , , , , , ,	contraction of the contraction o	112	112	
			The thickness of the recompacted clay liner shall be in accordance with table					
3745-42-13	H15	shall	H-4 of this rule.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
	_		If a synthetic liner is used in lieu of a recompacted clay liner, the liner shall				-	-
3745-42-13	H16	shall	conform to the following:	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			· ·		, , ,			
			If the storage facility is constructed of reinforced concrete, the concrete shall					
			be, at a minimum, five inches thick and include non-metallic water stops for					
3745-42-13	H17	shall	all joints.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			The design of any land application spray distribution system shall conform to the					
3745-42-13	l1	shall	following:	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			The diameter of the sprinkler					
			nozzle used as part of the land application system shall be at least three times the					
			size of any suspended solids in the treated sewage or liquid					
3745-42-13	l1b	shall	industrial waste being sprayed.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			If soil probes, soil pits or soil borings are required to characterize the site, the soil					
			probes, soil pits or soil borings shall be done in accordance with					
3745-42-13	12	shall	paragraph (N) of this rule.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			Except at times identified in the approved land application management plan					
			provided in paragraphs (J)(5) to (J)(7) of this rule, the location of the land					
			application area shall maintain the minimum isolation distances in table J-1 of					
3745-42-13	J1	shall	this rule.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			In addition to the requirements of paragraphs (C) and (J)(1) of this rule, no					
			person shall land apply class A treated sewage or liquid industrial waste as					
3745-42-13	J2	shall	follows:	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
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			In addition to paragraphs (C), (J)(1), and (J)(2)(c) to (J)(2)(e) of this rule, no					
			person shall land apply class B treated sewage or liquid industrial waste as					
3745-42-13	J3	shall	follows:	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			In addition to paragraphs (C), (J)(1), (J)(2)(c) to (J)(2)(e), and (J)(3)(b) to					
			(J)(3)(f) of this rule, no person shall land apply class C treated sewage or					
3745-42-13	J4	shall	liquid industrial waste except at Ohio EPA approved sites.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			The siting criteria and the isolation distance requirements of this paragraph shall					
			not apply to occupied buildings if the person who will land apply treated sewage or					
			liquid industrial waste obtains a land application contract from each owner of a					
			neighboring occupied building located within the siting distances set forth in this					
			rule and includes a copy of the land application contract with the permit to install					
3745-42-13	J5	shall not	application.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
3745-42-13	J5	shall	The land application contract shall state that:	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
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			The land application contract shall state that these property owners are aware of,					
			and have no objection to, the proposed land application of treated sewage or liquic					
3745-42-13	J6	shall	industrial waste within fifty feet of their property lines.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
1								
			A land application system shall be designed in accordance with table K-1 of this rule					
		1	and shall have a land application management plan that contains effluent limits,					
3745-42-13	K1	shall	which are developed and monitored in accordance with table K-1 of this rule.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			In addition to paragraph (K)(1) of this rule, any land application system that will					
			discharge to waters of the state shall have an approved NPDES permit that contains					
3745-42-13	K2	shall	where applicable, internal and final effluent limits as follows:	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			The internal limits shall be developed and monitored in accordance with					
			table K-1 of this rule and be applied at the point the effluent leaves the					
			treatment works, prior to storage, or prior to land application if no		5			
3745-42-13	K2a	shall	storage is provided.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			The final effluent limits shall be developed in accordance with best					
			available demonstrated control technology criteria, as set forth in table					
			5-1 of rule 3745-1-05 of the Administrative Code or water quality based effluent					
2745 42 42	1/21		limits in accordance with Chapter 3745-1 of the Administrative Code, whichever is	5444 00 5444 04 5444 44 5444 45	51.1. 1.1. 11. (51.14.03.(6)			
3745-42-13	K2b	shall	more stringent.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
2745 42 12	V2 footpoto	chall	All wastewater treatment works shall use E. coli as the indicator organism	6111 02 6111 04 6111 44 6111 45	State general authority 6111 03 (C)	no	no	no
3745-42-13	K2 footnote	shall	unless fecal coliform is specified by their existing NPDES permit.  All wastewater treatment works shall use E. coli as the indicator organism	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
3745-42-13	K3 footnote	shall	unless fecal coliform is specified by their existing NPDES permit.	6111 02 6111 04 6111 44 6111 45	State general authority - 6111.03 (G)	no	no	no
3745-42-15	K3 TOOLTIOLE	Stidii	unless recar comorn is specified by their existing NPDES permit.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			Class C treated sowage or liquid industrial waste shall only be land applied at times					
			Class C treated sewage or liquid industrial waste shall only be land applied at times set forth in an approved land application management plan (i.e., times of the day					
			that will minimize human exposure to the application of the treated sewage or					
3745-42-13	K4 footnote	shall	liquid industrial waste, such as early morning between 4:00 a.m. and 9:00 a.m.).	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
3743-42-13	K4 TOOLTIOLE	Silali	All wastewater treatment works shall use E. coli as the indicator organism	0111.03, 0111.04, 0111.44, 0111.43	State general authority - 0111.05 (G)	no	no	no
3745-42-13	K4 footnote 4	shall	unless fecal coliform is specified by their existing NPDES permit.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
3745-42-13	K5 footnote	shall	Shall be submitted as part of the initial and renewal application.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
3743-42-13	K5 TOOLTIOLE	311011	Shan be submitted as part of the initial and renewal application.	0111.03, 0111.04, 0111.44, 0111.43	State general authority - 0111.05 (G)	110	110	110
			Except as provided in paragraphs (L)(1) and (L)(2) of this rule, or unless waived by					
			the director, ground water monitoring shall be provided for any lagoon, any storage	2				
3745-42-13	L4	shall	facility, or any land application area that is a part of a land application system.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
3743 42 13	LT	Silan	No land application system shall be operated without an approved ground	0111.03, 0111.04, 0111.44, 0111.43	State general authority   0111.05 (G)	110	110	
3745-42-13	L4a	shall	water monitoring program.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
J. 13 12 13	- 10	5.1411	A copy of the written ground water monitoring program plan and all	0111.00, 0111.01, 0111.77, 0111.70	State Beliefal additionly 0111.05 (0)	110	110	
			analytical results, including quality assurance information, shall be kept					
			and shall be made available for inspection by Ohio EPA staff upon					
3745-42-13	L4b	shall	request.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
J, 7J 7L IJ	LTN	Stidil	A copy of the written ground water monitoring program plan and all	0111.03, 0111.07, 0111.74, 0111.43	State general authority - 0111.03 (0)	110	110	110
			analytical results, including quality assurance information, shall be kept					
			and shall be made available for inspection by Ohio EPA staff upon					
3745-42-13	L4b	shall	request.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
J. 13 12 13	- 17	3/10/1		0, 0, 0, 0, 0	State Beneral dutiliontly Office (O)	110	1110	Į.io

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			A ground water monitoring program that is capable of determining the					
			impact of the land application system on the first continuous significant					
3745-42-13	L4c	shall	zone of saturation underlying the land application system shall be conducted.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
3745-42-13	L4c	shall	The ground water monitoring program shall conform to the following:	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
3745-42-13	L4ciii	shall	The monitoring well layout shall include the following:	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
3745-42-13	L4d	shall	All monitoring wells shall conform to the following:	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
3743-42-13	Lau	Silan	All monitoring well locations shall be surveyed and all well construction and	0111.03, 0111.04, 0111.44, 0111.43	State general authority - 0111.03 (G)	110	110	110
			maintenance documentation shall be kept at the site of the storage facility and be					
3745-42-13	L4di	shall	available for inspection by Ohio EPA staff upon request.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
3743-42-13	Ladi	Silan	All field forms, laboratory data to include quality assurance or quality	0111.03, 0111.04, 0111.44, 0111.43	State general authority - 0111.03 (G)	110	110	110
			control information, and other pertinent information related to the					
			semiannual sampling event shall be kept and made available for					
3745-42-13	L4e	shall	inspection by Ohio EPA staff upon request.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
3743-42-13	Lac	Silan	Within seventy-five days of sampling, a letter that includes a table	0111.03, 0111.04, 0111.44, 0111.43	State general authority - 0111.03 (G)	110	110	110
			containing the summarized analytical results for each monitoring well					
			for each semi-annual sampling event shall be forwarded to the director,					
3745-42-13	L4f	shall	or to the director's duly authorized representative.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
3743-42-13	L41	Silali	The following results shall be forwarded to the director, or to the director's duly	0111.03, 0111.04, 0111.44, 0111.43	State general authority - 0111.03 (d)	110	110	110
3745-42-13	149	shall	,	6111 02 6111 04 6111 44 6111 45	State general authority, 6111 02 (6)	no	20	200
3/40-44-13	L4g	Stiall	authorized representative, within fifteen days of receipt:	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			If the director determines, based on the ground water monitoring results,					
			that a potential for significant adverse impact to the environment or public health is					
			posed or if there is an impact to ground water, all land application operations shall					
3745-42-13	L4h	shall	cease until the director provides notification in writing that operations may resume.	6111 03 6111 04 6111 44 6111 45	State general authority - 6111.03 (G)	no	no	no
3743-42-13	L411	Silali	Any monitoring well or boring drilled at the proposed or permitted storage	0111.03, 0111.04, 0111.44, 0111.43	State general authority - 0111.03 (d)	110	110	110
			facility, that is no longer needed, shall be abandoned in accordance with					
			the requirements of rule 3745-9-10 of the Administrative Code and any					
3745-42-13	L4i	shall	other applicable requirements.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
3743-42-13	L4I	Silali	other applicable requirements.	0111.03, 0111.04, 0111.44, 0111.43	State general authority - 0111.03 (G)	110	110	110
			When a hydrogeologic site investigation is required by paragraph (F) of this rule, a					
			hydrogeologic site investigation report shall be submitted as part of the permit to					
3745-42-13	М	shall	install application that, at a minimum conforms to the following:	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	20	200
3745-42-13	M3	shall	This description shall do the following:	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no no	no no	no no
3743-42-13	IVIS	Silan	This description shall do the following.	0111.03, 0111.04, 0111.44, 0111.43	State general authority - 0111.03 (G)	110	110	110
			This description shall be based on data					
			collected using appropriate subsurface investigatory methods such as borings,					
			monitoring wells, tensiometers, geophysical surveys, soil surveys, cone					
3745-42-13	M4	shall	penetrometers, piezometers and test pits.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
37 13 12 13		Silan	The description shall, at a minimum	0111.03, 0111.01, 0111.11, 0111.13	State general authority 0111:05 (0)	110	110	110
3745-42-13	M4	shall	do the following:	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
3743 42 13	1414	Silan	This description shall include identification of any sources of	0111.03, 0111.04, 0111.44, 0111.43	State general authority 0111.05 (G)	110	110	110
3745-42-13	M4b	shall	seeps, springs, streams and other surface water features.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
3745-42-13	M4d	shall	This description shall, at a minimum do the following:	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
3743 42 13	IVITU	Silaii	Soil and site evaluation requirements. For every land application system, a soil and	0111.03, 0111.04, 0111.44, 0111.43	State general authority 0111.05 (G)	110	110	110
			site evaluation shall be done in accordance with this paragraph and shall conform to					
3745-42-13	N	shall	the following:	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
3743-42-13	14	Silan	Soil and site evaluation requirements. For every land application system, a soil and	0111.03, 0111.04, 0111.44, 0111.43	State general authority - 0111.03 (G)	110	110	110
			site evaluation shall be done in accordance with this paragraph and shall conform to					
3745-42-13	N	shall	the following:	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
5, 45 42 15	IV.	Jilali	the following.	0111.03, 0111.04, 0111.44, 0111.43	State general authority - 0111.05 (0)	110	110	110
			In addition to the information in					
			the general soil survey, the location of any soil delineations and the location					
			and number of soil probes, pits or borings necessary to describe the soil					
			conditions shall be determined by a professional soil scientist for the land					
3745-42-13	N3	shall	application site, the lagoon site or the storage facility site.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	l <sub>no</sub>	no	no
J/4J-44-13	CVI	Stiall	מאף הכפנוטוז אונב, נוזב ופצטטוז אונב טו נוזב אנטו פצב ופטווונץ אונב.	0111.03, 0111.04, 0111.44, 0111.43	State general authority - 0111.05 (G)	no	no	no
			The soil delineations, soil probes, soil pits or soil borings shall conform to the					
3745-42-13	N3	shall	following:	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
31 TJ TL 1J	143	Jilali	Tonowing.	0111.00, 0111.07, 0111.44, 0111.43	state general authority - 0111.03 (0)	liio	IIIO	Ino

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			In areas where glacial till and fractured bedrock substratum soils are in close					
			proximity, the soil investigation shall be done to a depth of at least fifty inches or					
3745-42-13	N3d	shall	until bedrock is encountered.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			Records shall be maintained on forms provided by or approved by the					
3745-42-13	O1a	shall	director.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			Upon request by the director or the director's authorized representative,					
			any person shall make available, within a reasonable time for inspection					
			and copying, all records pertaining to the land application system,					
3745-42-13	O1b	shall	including the following:	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			Any person who owns a land application system shall maintain all					
			sampling and monitoring records at the treatment works for at least five					
3745-42-13	O1c	shall	years.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
3745-42-13	O1c	shall	These records shall be made available to Ohio EPA, upon request.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			The director shall be notified in writing within seven days of any person					
			discovering noncompliance with a land application management plan or					
3745-42-13	O2a	shall	an NPDES permit.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			The director shall be notified at least six months prior to the expiration					
3745-42-13	O2b	shall	date of a land application contract.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			A land application system shall maintain compliance with effluent limits in the land					
			application management plan or NPDES permit at the point the effluent leaves the					
			treatment works, prior to storage, or prior to land application, if no storage is					
3745-42-13	O3d	shall	provided.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			Storage facilities must be equipped with a depth marker which clearly indicates the	:				
3745-42-13	H4	must	minimum freeboard level.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			The director may require an isolation distance from natural or constructed wetland	s				
3745-42-13	C2a	require	to protect public health or the environment.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
		·	The director may deny any land application system permit application that does no	t				
3745-42-13	D1	require	contain the required information.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
		'	The determination of appropriate weather conditions required		, , ,			
3745-42-13	E7aiih	require	for land application.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
		- 1	Any other requirements, as required by the director to mitigate an unauthorized					
3745-42-13	E7aiikvi	require	release.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
3745-42-13	Table 13-1	require	Minimal information required	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
3745-42-13	Table 13-1	require	Minimal information required	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
3745-42-13	Table 13-1	require	Minimal information required	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
3745-42-13	Table 13-1	require	Minimal information required	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
37 13 12 13	Tubic 15 1	require	Contain for any lagoon, a ground water monitoring plan in accordance with	0111.03, 0111.01, 0111.11, 0111.13	State general dathoney offices (e)	110		
			paragraph (L) of this rule, if required by					
3745-42-13	F1bv	require	paragraph (L) of this rule.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
3743 42 13	1100	require	If soil probes, soil pits or soil borings are required to characterize the site, they shall		State general dathonty offices (d)	110	110	110
3745-42-13	F1bvie	require	be done in accordance with paragraph (N) of this rule.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
3,73-72-13	I TOALC	require	For a land application system that serves more than one residence and where land		State general authority - 0111.03 (0)	110	no no	lio
			application is the sole method of disposal, the director may require a land					
3745-42-13	F1d			6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)			
3745-42-13	F1eii	require	application contract for ninety-nine years.  The required sampling and monitoring procedures.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no no	no no	no
3745-42-13	FIEII	require	The required sampling and monitoring procedures.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
2745 42 42	EDF:	mat	Nitrogen. If the total inorganic nitrogen limit of ten milligrams per liter (i.e., nitroge		Chata ganaval authority (444,02 (C)			
3745-42-13	F2bi	require	option 1) will be met, then a nitrogen balance is not required.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			Except where specific design criteria or methodologies are required by this					
			rule, generally accepted design standards and methodologies shall be used to					
			design the treatment works, including any treatment lagoon, or the sewerage					
3745-42-13	G	require	system that is part of any land application system.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
3745-42-13	Table H-1	require	Table H-1 Minimum required isolation distances	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
3745-42-13	Table H-1	require	Minimum required isolation distance (feet)	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			The director may require a larger storage volume to ensure that sufficient storage i	S				
			provided to meet in stream water quality standards during exceptionally dry					
			periods, or to ensure sufficient storage is provided to accommodate inspections or					
3745-42-13	H3	require	offline repairs.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
3745-42-13	H3ai	require	The number of storage days required.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no

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		of ninety-five per cent of standard dry density as determined by ASTM D698 or					
		greater as required to achieve 1 x 10-7 centimeters per second maximum					
Н8	require	permeability.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
Table H4	require	Table H-4 Required thickness of recompacted clay liner	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
Table H4	require	Required thickness of recompacted clay liner	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
		[Comment: Depending on the type of treatment works, the director may					
		require additional screening or filtration to prevent spray nozzle					
l1b	require	clogging.]	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
		If soil probes, soil pits or soil borings are required to characterize the site, the soil					
		probes, soil pits or soil borings shall be done in accordance with					
12	require		6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
Table J-1	<u> </u>				no	no	no
	<u> </u>	·					no
	. equ e		., ., ., ., ., ., ., ., ., ., ., ., ., .	otate general authority office (e)			
12f	roquiro		6111 02 6111 04 6111 44 6111 45	State general authority 6111 02 (G)	no	no	no
131	require	runon will not impact surface waters of the state.	0111.03, 0111.04, 0111.44, 0111.45	State general authority - 0111.03 (G)	IIU	IIU	no
		The director may require complian and monitoring of a literate and literate to					
1/4		, , , , , , , , , , , , , , , , , , , ,	6444 02 6444 04 6444 44 6444	Chata assert 11 11 (Cont. 20 (C))			
K1	require	• • •	b111.03, b111.04, b111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
		, and the second					
K4	require			State general authority - 6111.03 (G)	no	no	no
Table K-4 footnote	require		6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
Table K-4 footnote	require		6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
		Any design of wastewater treatment works should provide for the capability to					
Table K-4 footnote	require	install disinfection if required at a future time.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
		Disinfection may be required if					
Table K-4 footnote	require	bacteriological studies or emergency conditions indicate the need.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
		7Calculations for the demonstrative nitrogen balance (i.e., nitrate-nitrogen					
		available for leaching) are not required to be submitted if the application rate					
Table K-4 footnote	require	is designed to be less than or equal to twelve inches per acre per year.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
		1To protect public health and the environment, the director may require					
Table K-5 footnote	require	monitoring for mercury.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
L1	require	A ground water monitoring program is not required for the following:	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
		A ground water monitoring program is not required for a storage facility					
L2a	require		6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
		A ground water monitoring program is not required for a storage facility	,	, , , , ,			
		· · · · · · · · · · · · · · · · · · ·					
l 2h	require		6111 03 6111 04 6111 44 6111 45	State general authority - 6111 03 (G)	no	no	no
	. equite		0222.00, 0222.01, 0222.77, 0222.77	State Benefit dutility 0111.05 (d)	110	110	110
120	roquire		6111 02 6111 04 6111 44 6111 45	State general authority 6111 03 (C)	20	no	200
LZU	require	<u> </u>	0111.03, 0111.04, 0111.44, 0111.45	State general authority - 0111.03 (G)	IIU	IIU	no
1.2	roguite	, , ,	6111 02 6111 04 6111 44 6111 45	State general sixtherity, C444 03 (C)			n-
	•						no
L4CI	require	- '	0111.03, 0111.04, 0111.44, 0111.45	State general authority - 6111.03 (G)	110	no	no
		, , , , , , , , , , , , , , , , , , , ,					
L4dii	require	'	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
		· · · · · · · · · · · · · · · · · · ·					
L4giv	require	specific waste characterization.	6111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
I = .0·,	11	Library Names americans				1	
	Table H4 Table H4  I1b  I2 Table J-1 Table J-1  Table J-1  J3f  K1  K4  Table K-4 footnote  Table K-4 footnote  Table K-4 footnote  Table K-4 footnote  Table K-5 footnote	Table H4 require Table H4 require  I1b require  I2 require  Table J-1 require  Table J-1 require  K1 require  K4 require  Table K-4 footnote require  Table K-4 footnote require  Table K-4 footnote require  Table K-4 footnote require  Table K-5 footnote require  L1 require  L2a require  L2b require  L2c require  L3 require  L4ci require	of ninety-five per cent of standard dry density as determined by ASTAI D698 or greater as required to achieve 1 x 10-7 centimeters per second maximum permeability.  Table H4 require Permeability.  Table H4 require Required thickness of recompacted clay liner  [Comment: Depending on the type of treatment works, the director may require additional screening of filtration to prevent pray nozie (logging.)  [Ib require logging.]  If soil probes, soil pits or soil borings are required to characterize the site, the soil probes, soil pits or soil borings are required to characterize the site, the soil probes, soil pits or soil borings are required to characterize the site, the soil probes, soil pits or soil borings are required to characterize the site, the soil probes, soil pits or soil borings are required to characterize the site, the soil probes, soil pits or soil borings are required to characterize the site, the soil probes, soil pits or soil borings shall be done in accordance with paragraph (N) of this rule.  Table J-1 require Table J-1 Minimum required isolation distances  Table J-1 require Table J-1 Minimum required isolation distances  Frequire Properties of the denomenance of the denomstrate to the director runoff will not impact surface waters of the state.  The director may require sampling and monitoring of pollutants not listed in tables to the director require to meet all application prior to land application prior to land application prior to land application prior to land application prior to land application prior to land application prior to land application prior to land splication prior to land splication prior to land splication prior to land splication and to require distance to meet all application soil of weekly required; however, the entity is required to meet all application soil of weekly required and the entity is required to meet all application soil of weekly required and the entity is required to meet all application soil of require and to the capability to minimal distriction is not d	reginering compaction methods and recompacted to a minimum compaction rate of ninety-five per cent of standard of yearsy as determined by ASTM De99 or greater as required to achieve in x10.7 centimeters per second maximum permeability.  Table H4 require Table H4 Required thickness of recompacted city liner  (International Control of the State of State	espicerary compaction methods and compacted to a minimum compaction rate of nites have been got an extended by soft the Generic by AST 100 (\$11.05, 611.45, 611.45). Site general anciently, 611.103 (\$1.05, 611.45, 611.45).	explored to consistent processors and expospected to an inhibition composition rate of delinearity the per cent of standard by central section by ASTM 2008 of general section by Composition are stood from the performance of the performance o	Page   Page

			The director may require the					
3745-42-13	L4h	require	following:	5111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			When a hydrogeologic site investigation is required by paragraph (F) of this rule, a					
			hydrogeologic site investigation report shall be submitted as part of the permit to					
3745-42-13	M	require	install application that, at a minimum conforms to the following:	5111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			To protect public health or the					
			environment, the director may require deeper soil probes, soil pits or					
3745-42-13	N3d	require	8	5111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			The director may deny any land application management plan application not in					
			compliance with this chapter and require the submittal of a new land application					
			management plan application, including all applicable fees, to be submitted to Ohio					
3745-42-13	O3a	require	, ,	5111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			The director may require sampling and monitoring for pollutants at any					
3745-42-13	O3e	require	drain tile outfall, including but not limited to the following:	5111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			Storage facilities may not be located within drinking water source water					
			protection area for a community, or non-transient non-community					
3745-42-13	H2a	may not	, 55	5111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			Storage facilities may not be located within three hundred feet of a water					
3745-42-13	H2b	may not	supply well for a transient, non-community public water system.	5111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			Storage facilities may not be located within the emergency management					
			zone of a public water system using surface water or not within one					
			thousand five hundred feet of the drinking water intake, whichever					
3745-42-13	H2c	may not	results in a greater distance from the intake.	5111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
3745-42-13	C1	prohibit	The land application of untreated sewage is prohibited.	5111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			The director may prohibit the land					
			application of treated sewage or liquid industrial waste beyond the					
3745-42-13	C2b	prohibit	ten-year flood plain in order to protect public health or the environment.	5111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no
			Additional storage volume is provided for all of the treated sewage or					
			liquid industrial waste that is generated, when land application is					
3745-42-13	C3c	prohibit	prohibited due to seasonal variations in the vertical separation distance.	5111.03, 6111.04, 6111.44, 6111.45	State general authority - 6111.03 (G)	no	no	no