

Appendix B. Point Sources

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Table B-1. NPDES-permitted facilities that discharge to tributaries to the Maumee River (lower) and Lake Erie

Watershed (HUC)	Facility	Ohio EPA ID	U.S. EPA ID	Waterbody
Turtle Creek – Frontal Lake Erie (04100010 07 01)	Allen Elementary School ^a	2PT00042	OH0132438	North Branch Turtle Creek
	Carroll Water and Sewer District	2IY00012	OH0125440	unnamed tributary to Turtle Creek
	Fenwick Marina ^b	2PR00130	OH0125784	Turtle Creek
	Inland Marina and MHP ^b	2PY00074	OH0141674	Turtle Creek
	Turtle Creek Marina and Campground ^b	2PS00011	OH0122220	Turtle Creek
	White Rock Quarry	2IJ00037	OH0002861	unnamed tributary to North Branch Turtle Creek
Crane Creek – Frontal Lake Erie (04100010 07 02)	Fuel Mart #641 ^c	2II00050	OH0116041	Crane Creek
	Luther Home of Mercy ^d	2PS00013	OH0126888	Williston Ditch
	Perrysburg Estates MHP	2PY00014	OH0102687	ditch to Henry Creek
	Pilot Travel Center No 012 ^c	2IN00147	OH0116611	miscellaneous
	Toledo Travel Center ^c	2II00032	OH0111368	Crane Creek
	Village Green MHP	2PY00008	OH0095117	unnamed tributary to Crane Creek
	Wildflower Place Subdivision WWTP ^d	2PW00010	OH0126578	Crane Creek
Cedar Creek – Frontal Lake Erie (04100010 07 03)	Bulk Plant Millbury ^c	2IN00174	OH0122637	I-280 ditch to Cedar Creek
	Cardinal Aggregates Inc	2IJ00098	OH0135798	unnamed tributary to Cedar Creek
	Crazy Lady Inn ^e	2PR00263	OH0141798	Cedar Creek
	Evergreen Recycling & Disposal ^c	2IN00108	OH0095338	Otter Creek & Dry Creek
	Five Point MHP	2PY00073	OH0141615	Cedar Creek
	Stoneco, Inc. Lime City Plant	2IJ00052	OH0003573	B&R Mills Ditch to Dry Creek
Berger Ditch (04100010 07 05)	Hirzel Canning Co	2IH00111	OH0135666	Wolf Creek
	Oregon WTP	2IW00220	OH0041815	Berger Ditch & Lake Erie
Otter Creek – Frontal Lake Erie (04100010 07 06)	Asphalt Materials Inc ^c	2IN00165	OH0122319	Wynn Road Ditch
	Bay Shore Plant ^c	2IB00000	OH0002925	Driftmeyer Ditch & Maumee Bay (Lake Erie) ^f
	Broadway Warehouse 605 Ltd ^c	2II00108	OH0141593	Otter Creek
	Cedar Point Development LLC ^c	2II00106	OH0135470	Heckman Ditch
	East Broadway Middle School ^c	2PT00051	OH0138819	Otter Creek
	Envirosafe Services of Ohio	2IN00013	OH0053864	<i>multiple</i> ^g
	Evergreen Recycling & Disposal ^c	2IN00108	OH0095338	Otter Creek & Dry Creek
	Fresenius Medical Care ^c	2IN00235	OH0141992	Driftmeyer Ditch
	Oregon Terminal	2IG00024	OH0078301	Amlosch Ditch

Watershed (HUC)	Facility	Ohio EPA ID	U.S. EPA ID	Waterbody
	Pilkington NA - E Broadway Rd Facility ^c	2IN00020	OH0002445	Otter Creek
	Sunoco Inc R & M	2IG00003	OH0002763	Otter Creek ^h
	Toledo Station	2II00019	OH0095451	Otter Creek
	Toledo Terminal ^c	2IG00021	OH0058793	Driftmeyer Ditch
	Toledo WTP ^c	2IW00260	OH0030759	Duck Creek & Otter Creek
Grassy Creek Diversion (04100009 09 02)	Country Manor Estates ⁱ	2PG00096	OH0079197	Hull Prairie Ditch
	Maurer MHP	2PY00005	OH0078450	Grassy Creek Diversion
Delaware Creek – Maumee River (04100009 09 04)	Middleport Terminal, Toledo	2IN00218	OH0138525	Duck Creek
	Toledo M/W Shop ^c	2IT00015	OH0078514	unnamed tributary to the Maumee River
	Toledo WTP	2IW00260	OH0030759	Duck Creek & Otter Creek

Notes

MHP = mobile home park; WTP = water treatment plant.

- a. Allen Elementary School (2PT00042) is no longer operational and cannot discharge.
- b. Fenwick Marina (Ohio EPA ID 2PR00130), Inland Marina and MHP (Ohio EPA ID 2PY00074), and Turtle Creek Marina and Campground (Ohio EPA ID 2PS00011) are located on Turtle Creek, near the creek's mouth on Lake Erie and within the lacustrine zone.
- c. These facilities have individual NPDES permits for storm water discharges.
- d. Luther Home of Mercy (Ohio EPA ID 2PS00013) and Wildflower Place Subdivision WWTP (Ohio EPA ID 2PW00010) will be connected to public sewers by 2015.
- e. The wastewater treatment works permitted for the Crazy Lady Inn (Ohio EPA ID 2PR00263) were never built; the permit may be closed.
- f. Only outfall 002 discharges to Driftmeyer Ditch. The facility normally discharges via outfalls 001 (746 mgd) and 003 (2.3 mgd) to an effluent channel to Maumee Bay (Lake Erie). The only limit for outfall 002 is for pH.
- g. Multiple outfalls discharge to unnamed ditches and storm sewers to Otter Creek, Driftmeyer Ditch, and Joehlin Ditch.
- h. Outfall 001 is for emergency storm water overflow.
- i. Country Manor Estates (Ohio EPA 2PG00096) is will be removed and the subdivision is connected to public sewers in June 2012.

Table B-2. NPDES-permitted facilities that discharge directly to the Maumee River (lower) and Lake Erie

Watershed (HUC)	Facility	Ohio EPA ID	U.S. EPA ID	Waterbody
Turtle Creek – Frontal Lake Erie (04100010 07 01)	Carroll Township Treatment Services Inc	2PS00007	OH0095575	Wild Wings Marsh (Lake Erie)
	Davis Besse (FirstEnergy Nuclear Gen Corp)	2IB00011	OH0003786	Lake Erie, Navarre Marsh, and Toussaint River
Cedar Creek – Frontal Lake Erie (04100010 07 03)	Meinke Marina and Campground	2PR00165	OH0130290	Lake Erie
Otter Creek – Frontal Lake Erie (04100010 07 06)	Oregon WWTP	2PD00035	OH0052914	Maumee Bay (Lake Erie)
	CSX Transportation Inc Toledo Dock Yard	2IT00013	OH0053163	Maumee Bay (Lake Erie)
	Toledo Refinery	2IG00007	OH0002461	Maumee Bay (Lake Erie) ^a
Crooked Creek – Maumee River (04100009 09 03)	Maumee WWTP	2PK00000	OH0034223	Maumee River
	Perrysburg WWTP	2PD00002	OH0021008	Maumee River
Delaware Creek – Maumee River (04100009 09 04)	Delta Fuels, Inc.	2IN00226	OH0139068	Maumee River
	Pilkington North America Rossford Plt 6	2IN00030	OH0002453	Maumee River
	Sunoco, Inc., R&M Marine Terminal	2IG00009	OH0002780	Maumee River
	Toledo Bay WWTP	2PF00000	OH0027740	Maumee River, Ottawa River, and Swan Creek
	Toledo N-Viro Biosolids Treatment Facility	2IN00224	OH0139025	-- ^b

Notes

- a. This facility discharges to Maumee Bay, except for an emergency overflow outfall (001) that discharges to Otter Creek. Discharge from outfall 001 will only occur when the thermal pumps fail. The facility has never reported a discharge from this outfall.
- b. This facility distributes biosolids for land application; it does not discharge to a water of the state.

Table B-3. Flow rate DMR data in the Lake Erie tributaries HUC (04100010 07) and lower Maumee River tributaries HUC (04100009 09)

Facility			Samples			Reported Discharges			
I.D.	Name	Design	Begin	End	No.	No.	Min	Max	Median
<i>Turtle Creek and Frontal Lake Erie (HUC 04100010 07 01)</i>									
2PT00042	Allen Elementary School	0.0075	4/26/04	5/23/11	86	86	0.000100	0.004500	0.004200
2IY00012	Carroll Water and Sewer District	0.039	1/1/02	9/30/11	3,640	2,412	0.007000	0.265000	0.025000
2PR00130	Fenwick Marina	0.015	6/1/02	9/28/11	1,491	1,351	0.0001	0.0075	0.0006
2PY00074	Inland Marina and Mobile Home Park	0.035	6/1/09	6/30/09	30	30	0.0004	0.0004	0.0004
2PS00011	Turtle Creek Marina and Campground ^a	0.020	4/1/07	9/30/11	686	581	0.0008	0.008	0.018095
2IJ00037	White Rock Quarry	7.91	1/14/02	9/30/11	2,481	2,270	0.0004	3.46	0.56
<i>Crane Creek and Frontal Lake Erie (HUC 04100010 07 02)</i>									
2PS00013	Luther Home of Mercy	0.0325	1/1/02	9/30/11	3,650	2,720	0.001	0.24	0.022
2PY00014	Perrysburg Estates MHP	0.0624	1/1/02	9/30/11	3,468	3,468	0.004	6	0.06
2PY00008	Village Green MHP – 001 ^b	0.045	1/1/02	9/30/11	3,560	3,102	0.02	0.3	0.03
2PW00010	Wildflower Place Subdivision WWTP	0.057	1/1/02	9/30/11	3,496	3,496	0.001	30	0.035
<i>Cedar Creek and Frontal Lake Erie (HUC 04100010 07 03)</i>									
2IN00174	Bulk Plant Millbury	--	6/18/03	7/5/11	49	19	0.001400	0.004558	0.001403
2IJ00098	Cardinal Aggregates Inc	2.88	9/1/05	9/30/11	2,000	1,602	0.014	1.62	0.2
2PR00263	Crazy Lady Inn ^c	0.005	11/1/08	8/1/11	--	--	--	--	--
2PY00073	Five Point MHP	0.0066	8/1/10	9/25/11	426	399	0.000725	0.002250	0.00225
2IJ00052	Stoneco, Inc. Lime City Plant	4.8	1/16/02	6/30/10	2,104	1,965	0.00011	5.78	0.09
<i>Wolf Creek (HUC 04100010 07 04) and Berger Ditch (HUC 04100010 07 05)</i>									
2IH00111 ^d	Hirzel Canning Co - 001	0.150	--	--	--	--	--	--	--
	Hirzel Canning Co - 002	--	7/1/05	9/1/07	8	0	--	--	--
2IW00220	Oregon Water Treatment Plant - 001	--	1/1/02	9/1/11	2,303	2,190	0.009	0.69	0.106
	Oregon Water Treatment Plant - 002	--	1/1/02	9/30/11	1,449	1,345	0.009	0.682	0.111
	Oregon Water Treatment Plant - 003	--	1/1/02	3/30/09	57	5	2.42	156	2.78
<i>Otter Creek and Frontal Lake Erie (HUC 04100010 07 06)</i>									
2IN00013	Envirosafe Services of Ohio ^e	0.0394	1/1/02	9/29/11	2,242	544	0.000001	6.4	--
2II00019	Toledo Station ^f	0.0015	3/1/09	10/31/09	153	14	0.000006	0.000100	0.000007
2IW00260	Toledo Water Treatment Plant ^g	--	1/1/02	9/30/11	7,994	7,437	0.001	318	--

This table is continued on the next page.

Facility			Samples			Reported Discharges			
I.D.	Name	Design	Begin	End	No.	No.	Min	Max	Median
Grassy Creek Diversion (HUC 04100009 09 01)									
2PG00096	Country Manor Estates	0.02	1/1/02	9/30/11	3,559	3,555	0.001	19	0.016
2PY00005	Maurers MHP	0.03	1/1/02	9/30/11	3,405	3,358	0.001	2.75	0.013

Notes

The design flow (“design”), minimum (“min”), maximum (“max”), and median are reported in counts of million gallons per day (mgd).

Facilities with individual NPDES permits for storm water are not included in this table. Additionally, the facilities that were excluded from the report as discussed in Section 3.2.1 are also excluded here (e.g., facilities that directly discharge to Lake Erie).

a. A flow rate of 2,000 mgd was reported for 10/17/2010. This is assumed to be a typographical error and that the value was actually 2,000 gallons per day.

b. No discharge is reported at outfall 002 at Village Green MHP.

c. No discharge is reported at Crazy Lady Inn.

d. No discharge is reported at Hirzel Canning Co for either outfall 001 or outfall 002.

e. Flow rate data are reported for 20 outfalls at Envirosafe of Ohio. The displayed data are summary statistics across all 20 outfalls.

f. Flow rate data are reported for outfall 003. Outfalls 001 and 002 are for storm water.

g. Flow rate data are reported for seven outfalls at the Toledo Water Treatment Plant; the outfalls are located on Otter Creek and Duck Creek, which is in HUC 04100009 09 04. The displayed data are summary statistics across all seven outfalls.

Table B-4. Fecal coliform DMR data in the Turtle Creek and Frontal Lake Erie watershed

Facility		Samples			Detections			
I.D.	Name	Begin	End	No.	No.	Min	Max	Geomean
2PT00042	Allen Elementary School	6/1/04	8/2/10	14	11	2	500	33
2PR00130	Fenwick Marina	7/10/02	9/8/10	46	37	1	3,000	39
2PY00074	Inland Marina and Mobile Home Park	6/17/09		1	1	3		--
2PS00011	Turtle Creek Marina and Campground	5/3/07	9/1/11	37	34	49	4,400	133

Notes

The minimum ("min"), maximum ("max), and geometric mean ("geomean") are reported in counts of fecal coliform per 100 mL.

Table B-5. Fecal coliform DMR data in the Crane Creek and Frontal Lake Erie watershed

Facility		Samples			Detections			
I.D.	Name	Begin	End	No.	No.	Min	Max	Geomean
2PS00013	Luther Home of Mercy	5/29/02	6/7/11	57	16	2	16,000	176
2PY00014	Perrysburg Estates MHP	5/6/02	9/12/11	58	54	1	1,000	8
2PY00008	Village Green MHP	5/10/02	9/14/11	196	196	46	781	229
2PW00010	Wildflower Place Subdivision WWTP	5/17/02	10/7/10	60	51	1	6,200	125

Notes

The minimum ("min"), maximum ("max), and geometric mean ("geomean") are reported in counts of fecal coliform per 100 mL.

Table B-6. Fecal coliform DMR data in the Cedar Creek and Frontal Lake Erie watershed

Facility		Samples			Detections			
I.D.	Name	Begin	End	No.	No.	Min	Max	Geomean
2PR00263	Crazy Lady Inn	11/1/08	8/1/11	--	--	--	--	--
2PY00073	Five Point MHP	5/25/10	9/7/11	11 ^a	9	5	10,000	88

Notes

The minimum ("min"), maximum ("max), and geometric mean ("geomean") are reported in counts of fecal coliform per 100 mL.

a. Only ten samples were analyzed for fecal coliform.

Table B-7. Fecal coliform DMR data in the Grassy Creek Diversion watershed

Facility		Samples			Detections			
I.D.	Name	Begin	End	No.	No.	Min	Max	Geomean
2PG00096	Country Manor Estates	5/6/02	9/12/11	58	57	1	18,700	45
2PY00005	Maurers MHP	5/27/02	9/15/11	57	30	1	7,200	37

Notes

The minimum ("min"), maximum ("max), and geometric mean ("geomean") are reported in counts of fecal coliform per 100 mL.