

Application No. OH0140597

Issue Date:

Effective Date:

Expiration Date: 5 Years

Ohio Environmental Protection Agency
Authorization to Discharge Under the
National Pollutant Discharge Elimination System

In compliance with the provisions of the Federal Water Pollution Control Act, as amended (33 U.S.C. 1251 et. seq., hereinafter referred to as the "Act"), and the Ohio Water Pollution Control Act (Ohio Revised Code Section 6111),

Ohio River Clean Fuels, LLC

is authorized by the Ohio Environmental Protection Agency, hereinafter referred to as "Ohio EPA," to discharge from the Ohio River Clean Fuels, LLC., wastewater treatment works located at Sixteen School Road, Wellsville, Ohio, Columbiana County and discharging to the Ohio River in accordance with the conditions specified in Parts I, II, III, IV, V, and VI of this permit.

I have determined that a lowering of water quality in the Ohio River is necessary. In accordance with OAC 3745-1-05, this decision was reached only after examining a series of technical alternatives, reviewing social and economic issues related to the degradation, and considering all public and appropriate intergovernmental comments. The lowering of water quality is necessary to accommodate important social or economic development in the area in which the water body is located.

This permit is conditioned upon payment of applicable fees as required by Section 3745.11 of the Ohio Revised Code.

This permit and the authorization to discharge shall expire at midnight on the expiration date shown above. In order to receive authorization to discharge beyond the above date of expiration, the permittee shall submit such information and forms as are required by the Ohio EPA no later than 180 days prior to the above date of expiration.

Laura H. Powell
Assistant Director

Total Pages: 50

Part I, A. - FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall 3IG00097001. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Final Outfall - 001 - Final

| Effluent Characteristic Parameter | Discharge Limitations | | | | | | | Monitoring Requirements | | |
|---|-------------------------------|---------|--------|---------|-----------------|--------|---------|-------------------------|--------------------------------|-------------------|
| | Concentration Specified Units | | | | Loading* kg/day | | | Measuring Frequency | Sampling Type | Monitoring Months |
| | Maximum | Minimum | Weekly | Monthly | Daily | Weekly | Monthly | | | |
| 00010 - Water Temperature - C | - | - | - | - | - | - | - | 1/Day | Maximum Indicating Thermometer | All |
| 00300 - Dissolved Oxygen - mg/l | - | 5.0 | - | - | - | - | - | 2/Week | Grab | All |
| 00310 - Biochemical Oxygen Demand, 5 Day - mg/l | - | - | - | - | - | - | - | 2/Week | 24hr Composite | All |
| 00335 - Chemical Oxygen Demand (Low Level) - mg/l | - | - | - | - | - | - | - | 2/Week | 24hr Composite | All |
| 00515 - Residue, Total Dissolved - mg/l | - | - | - | - | - | - | - | 2/Week | 24hr Composite | All |
| 00530 - Total Suspended Solids - mg/l | - | - | - | - | - | - | - | 2/Week | 24hr Composite | All |
| 00610 - Nitrogen, Ammonia (NH3) - mg/l | - | - | - | - | - | - | - | 2/Week | 24hr Composite | All |
| 00625 - Nitrogen Kjeldahl, Total - mg/l | - | - | - | - | - | - | - | 2/Week | 24hr Composite | All |
| 00630 - Nitrite Plus Nitrate, Total - mg/l | - | - | - | - | - | - | - | 2/Week | 24hr Composite | All |
| 00665 - Phosphorus, Total (P) - mg/l | - | - | - | - | - | - | - | 2/Week | 24hr Composite | All |
| 00719 - Cyanide, Free - mg/l | 0.044 | - | - | - | 1.62 | - | - | 2/Week | Grab | All |
| 00900 - Hardness, Total (CaCO3) - mg/l | - | - | - | - | - | - | - | 1/Month | 24hr Composite | All |
| 00979 - Cobalt, Total Recoverable - ug/l | 440 | - | - | - | 16.2 | - | - | 2/Week | 24hr Composite | All |
| 00981 - Selenium, Total Recoverable - ug/l | - | - | - | - | - | - | - | 2/Week | 24hr Composite | All |
| 01094 - Zinc, Total Recoverable - ug/l | 280 | - | - | - | 10.3 | - | - | 2/Week | 24hr Composite | All |
| 01113 - Cadmium, Total Recoverable - ug/l | 11 | - | - | - | 0.404 | - | - | 2/Week | 24hr Composite | All |
| 01114 - Lead, Total Recoverable - ug/l | - | - | - | - | - | - | - | 2/Week | 24hr Composite | All |
| 01119 - Copper, Total Recoverable - ug/l | 33 | - | - | - | 1.22 | - | - | 2/Week | 24hr Composite | All |

| Effluent Characteristic Parameter | Discharge Limitations | | | | | | Monitoring Requirements | | | |
|---|-------------------------------|---------|-----------------|---------|--------|--------|-------------------------|---------------|-------------------|--------------|
| | Concentration Specified Units | | Loading* kg/day | | | | Measuring Frequency | Sampling Type | Monitoring Months | |
| | Maximum | Minimum | Weekly | Monthly | Daily | Weekly | Monthly | | | |
| 01501 - Alpha, Total Activity - pc/l | - | - | - | - | - | - | - | 1/Month | Grab | All |
| 03501 - Beta, Total Activity - pc/l | - | - | - | - | - | - | - | 1/Month | Grab | All |
| 50050 - Flow Rate - MGD | - | - | - | - | - | - | - | 1/Day | 24hr Total | All |
| 50060 - Chlorine, Total Residual - mg/l | 0.038 | - | - | - | - | - | - | 2/Week | Grab | All |
| 50092 - Mercury, Total (Low Level) - ng/l | 1700 | - | - | 12 | 0.0625 | - | 0.000441 | 1/Month | Grab | All |
| 61425 - Acute Toxicity, Ceriodaphnia dubia - TUa | 1.0 | - | - | - | - | - | - | 1/2 months | 24hr Composite | Bimonthly-Od |
| 61427 - Acute Toxicity, Pimephales promelas - TUa | 1.0 | - | - | - | - | - | - | 1/2 months | 24hr Composite | Bimonthly-Od |
| 61941 - pH, Maximum - S.U. | 9.0 | - | - | - | - | - | - | 1/Day | Continuous | All |
| 61942 - pH, Minimum - S.U. | - | 6.5 | - | - | - | - | - | 1/Day | Continuous | All |

Notes for Station Number 3IG00097001:

* Effluent loadings based on average design flow of 9.7 MGD.

Sampling shall be performed when discharging. If NO DISCHARGE OCCURS DURING THE ENTIRE MONTH, report "AL" in the first column of the first day of the month on the 4500 Form (Monthly Operating Report). A signature is still required.

- Cyanide, See Part II, Item M

- Final Effluent Marker, See Part II, Item N.

Total Residual Chlorine - See Part II, Items K.

Part I, A. - FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning on the effective date of this permit and lasting until expiration date , the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall 3IG00097002. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Final Outfall - 002 - Final

| Effluent Characteristic Parameter | Discharge Limitations | | | | | | Monitoring Requirements | | | |
|---|-------------------------------|---------|-----------------|---------|-------|---------------------|-------------------------|-------------------|---------------------|---------|
| | Concentration Specified Units | | Loading* kg/day | | | Measuring Frequency | Sampling Type | Monitoring Months | | |
| | Maximum | Minimum | Weekly | Monthly | Daily | | | | Weekly | Monthly |
| 00335 - Chemical Oxygen Demand (Low Level) - mg/l | - | - | - | - | - | - | - | 1/Month | Grab | All |
| 00400 - pH - S.U. | 9.0 | 6.5 | - | - | - | - | - | 1/Month | Grab | All |
| 00530 - Total Suspended Solids - mg/l | 45 | - | - | 30 | - | - | - | 1/Month | Grab | All |
| 00552 - Oil and Grease, Hexane Extr Method - mg/l | 10 | - | - | - | - | - | - | 1/Month | Grab | All |
| 00610 - Nitrogen, Ammonia (NH3) - mg/l | - | - | - | - | - | - | - | 1/Month | Grab | All |
| 00719 - Cyanide, Free - mg/l | - | - | - | - | - | - | - | 1/Month | Grab | All |
| 01094 - Zinc, Total Recoverable - ug/l | - | - | - | - | - | - | - | 1/Month | Grab | All |
| 01119 - Copper, Total Recoverable - ug/l | - | - | - | - | - | - | - | 1/Month | Grab | All |
| 46529 - Rainfall in Inches - Inches | - | - | - | - | - | - | - | 1/Day | 24hr Total | All |
| 50050 - Flow Rate - MGD | - | - | - | - | - | - | - | 1/Month | 24hr Total Estimate | All |

Notes for Station Number 3IG00097002:

- Sampling shall be performed when discharging. If NO DISCHARGE OCCURS DURING THE ENTIRE MONTH, report "AL" in the first column of the first day of the month on the 4500 Form (Monthly Operating Report). A signature is still required.

-This discharge is limited to uncontaminated stormwater, free from process or non-process contaminants.

- Oil and Grease, See Part II, Item E.
- Cyanide, See Part II, Item M
- Final Effluent Marker, See Part II, Item N.

Part I, A. - FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall 3IG00097601. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Internal Monitoring Station - 601 - Final

| Effluent Characteristic Parameter | Discharge Limitations | | | | | | | Monitoring Requirements | | |
|---|-------------------------------|---------|--------|---------|-----------------|--------|---------|-------------------------|----------------|-------------------|
| | Concentration Specified Units | | | | Loading* kg/day | | | Measuring Frequency | Sampling Type | Monitoring Months |
| | Maximum | Minimum | Weekly | Monthly | Daily | Weekly | Monthly | | | |
| 00310 - Biochemical Oxygen Demand, 5 Day - mg/l | - | - | - | - | - | - | - | 2/Week | 24hr Composite | All |
| 00400 - pH - S.U. | 9.0 | 6.0 | - | - | - | - | - | 2/Week | Continuous | All |
| 00530 - Total Suspended Solids - mg/l | 100 | - | - | 30 | - | - | - | 2/Week | 24hr Composite | All |
| 00550 - Oil and Grease, Total - mg/l | - | - | - | - | - | - | - | 2/Week | Grab | All |
| 00610 - Nitrogen, Ammonia (NH3) - mg/l | - | - | - | - | - | - | - | 2/Week | 24hr Composite | All |
| 00665 - Phosphorus, Total (P) - mg/l | - | - | - | - | - | - | - | 1/Month | 24hr Composite | All |
| 00719 - Cyanide, Free - mg/l | - | - | - | - | - | - | - | 1/Month | 24hr Composite | All |
| 00978 - Arsenic, Total Recoverable - ug/l | - | - | - | - | - | - | - | 1/Month | 24hr Composite | All |
| 00979 - Cobalt, Total Recoverable - ug/l | - | - | - | - | - | - | - | 1/Month | 24hr Composite | All |
| 00981 - Selenium, Total Recoverable - ug/l | - | - | - | - | - | - | - | 1/Month | 24hr Composite | All |
| 01074 - Nickel, Total Recoverable - ug/l | - | - | - | - | - | - | - | 1/Month | 24hr Composite | All |
| 01079 - Silver, Total Recoverable - ug/l | - | - | - | - | - | - | - | 1/Month | 24hr Composite | All |
| 01094 - Zinc, Total Recoverable - ug/l | - | - | - | - | - | - | - | 1/Month | 24hr Composite | All |
| 01113 - Cadmium, Total Recoverable - ug/l | - | - | - | - | - | - | - | 1/Month | 24hr Composite | All |
| 01114 - Lead, Total Recoverable - ug/l | - | - | - | - | - | - | - | 1/Month | 24hr Composite | All |
| 01119 - Copper, Total Recoverable - ug/l | - | - | - | - | - | - | - | 1/Month | 24hr Composite | All |
| 50050 - Flow Rate - MGD | - | - | - | - | - | - | - | 1/Day | 24hr Total | All |
| 50092 - Mercury, Total (Low Level) - ng/l | - | - | - | - | - | - | - | 1/Month | Grab | All |

Notes for station 3IG00097601:

- This discharge is from the settling basin prior mixing with cooling tower blow down.
- Sampling for this station shall occur at the same time as station 3IG00097001.
- Cyanide, See Part II, Item M

Part I, A. - FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning on the effective date of this permit and lasting until expiration date , the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall 3IG00097602. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Internal Monitoring Station - 602 - Final

| Effluent Characteristic Parameter | Discharge Limitations | | | | | | | Monitoring Requirements | | |
|--|-------------------------------|---------|--------|---------|-----------------|--------|---------|-------------------------|---------------------|----------------------|
| | Concentration Specified Units | | | | Loading* kg/day | | | Measuring Frequency | Sampling Type | Monitoring Months |
| | Maximum | Minimum | Weekly | Monthly | Daily | Weekly | Monthly | | | |
| 00552 - Oil and Grease, Hexane Extr Method - mg/l | 20 | - | - | 15 | - | - | - | 1/Month | Grab | All |
| 50050 - Flow Rate - MGD | - | - | - | - | - | - | - | 1/Month | 24hr Total Estimate | All |

Notes for station 3IG0097602:

- This discharge is from the oil/water separator prior to discharging to the settling basin. Wastewater will be collected from storm water and drain in the plant processing area.
- Sampling for this station shall occur at the same time as station 3IG00097001.

Part I, A. - FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning on the effective date of this permit and lasting until the expiration date , the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall 3IG00097603. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Internal Monitoring Station - 603 - Final

| Effluent Characteristic Parameter | Discharge Limitations | | | | | | | Monitoring Requirements | | |
|--|-------------------------------|---------|--------|---------|-----------------|--------|---------|-------------------------|---------------------|----------------------|
| | Concentration Specified Units | | | | Loading* kg/day | | | Measuring Frequency | Sampling Type | Monitoring Months |
| | Maximum | Minimum | Weekly | Monthly | Daily | Weekly | Monthly | | | |
| 00530 - Total Suspended Solids - mg/l | 50 | - | - | - | - | - | - | 1/Month | Grab | All |
| 50050 - Flow Rate - MGD | - | - | - | - | - | - | - | 1/Month | 24hr Total Estimate | All |

Notes for station 3IG00097603:

-This discharge is from the Coal Pile Runoff Treatment prior to discharging to the ZLD/HERO treatment process. Wastewater will be storm water collected from coal storger area area.

Part I, A. - FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning on the effective date of this permit and lasting until expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall 3IG00097604. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Internal Monitoring Station - 604 - Final

| Effluent Characteristic Parameter | Discharge Limitations | | | | | | | Monitoring Requirements | | |
|---|-------------------------------|---------|--------|---------|-----------------|--------|---------|-------------------------|----------------|-------------------|
| | Concentration Specified Units | | | | Loading* kg/day | | | Measuring Frequency | Sampling Type | Monitoring Months |
| | Maximum | Minimum | Weekly | Monthly | Daily | Weekly | Monthly | | | |
| 00310 - Biochemical Oxygen Demand, 5 Day - mg/l | 80 | - | - | 30 | - | - | - | 1/Week | 24hr Composite | All |
| 00335 - Chemical Oxygen Demand (Low Level) - mg/l | 96 | - | - | 43 | - | - | - | 1/Week | 24hr Composite | All |
| 00530 - Total Suspended Solids - mg/l | 67 | - | - | 30 | - | - | - | 1/Week | 24hr Composite | All |
| 00552 - Oil and Grease, Hexane Extr Method - mg/l | 23 | - | - | 12 | - | - | - | 1/Week | Grab | All |
| 00600 - Nitrogen, Total - mg/l | 20 | - | - | 10 | - | - | - | 1/Month | Calculated | All |
| 00610 - Nitrogen, Ammonia (NH3) - mg/l | 13 | - | - | 6.5 | - | - | - | 1/Week | 24hr Composite | All |
| 00625 - Nitrogen Kjeldahl, Total - mg/l | - | - | - | - | - | - | - | 1/Month | 24hr Composite | All |
| 00630 - Nitrite Plus Nitrate, Total - mg/l | - | - | - | - | - | - | - | 1/Month | 24hr Composite | All |
| 00665 - Phosphorus, Total (P) - mg/l | - | - | - | - | - | - | - | 1/Month | 24hr Composite | All |
| 00720 - Cyanide, Total - mg/l | 1.2 | - | - | 0.42 | - | - | - | 1/Week | Grab | All |
| 00979 - Cobalt, Total Recoverable - ug/l | - | - | - | - | - | - | - | 1/Month | 24hr Composite | All |
| 00981 - Selenium, Total Recoverable - ug/l | - | - | - | - | - | - | - | 1/Month | 24hr Composite | All |
| 01074 - Nickel, Total Recoverable - ug/l | - | - | - | - | - | - | - | 1/Month | 24hr Composite | All |
| 01094 - Zinc, Total Recoverable - ug/l | - | - | - | - | - | - | - | 1/Month | 24hr Composite | All |
| 01113 - Cadmium, Total Recoverable - ug/l | - | - | - | - | - | - | - | 1/Month | 24hr Composite | All |
| 01114 - Lead, Total Recoverable - ug/l | - | - | - | - | - | - | - | 1/Month | 24hr Composite | All |
| 01119 - Copper, Total Recoverable - ug/l | - | - | - | - | - | - | - | 1/Month | 24hr Composite | All |
| 32102 - Carbon Tetrachloride - ug/l | - | - | - | - | - | - | - | 1/Month | Grab | All |

| Effluent Characteristic | Discharge Limitations | | | | | | | Monitoring Requirements | | |
|--|-------------------------------|---------|---------|--------|-----------------|-------|--------|-------------------------|----------------|-------------------|
| | Concentration Specified Units | | | | Loading* kg/day | | | Measuring Frequency | Sampling Type | Monitoring Months |
| | Parameter | Maximum | Minimum | Weekly | Monthly | Daily | Weekly | | | |
| 32106 - Chloroform - ug/l | - | - | - | - | - | - | - | 1/Month | Grab | All |
| 32730 - Phenolic 4AAP, Total - ug/l | 470 | - | - | 200 | - | - | - | 1/Week | Grab | All |
| 34010 - Toluene - ug/l | - | - | - | - | - | - | - | 1/Month | Grab | All |
| 34030 - Benzene - ug/l | - | - | - | - | - | - | - | 1/Month | Grab | All |
| 34205 - Acenaphthene - ug/l | - | - | - | - | - | - | - | 1/Month | 24hr Composite | All |
| 34220 - Anthracene, General Organic - ug/l | - | - | - | - | - | - | - | 1/Month | 24hr Composite | All |
| 34301 - Chlorobenzene - ug/l | - | - | - | - | - | - | - | 1/Month | Grab | All |
| 34311 - Chloroethane - ug/l | - | - | - | - | - | - | - | 1/Month | Grab | All |
| 34336 - Diethyl phthalate - ug/l | - | - | - | - | - | - | - | 1/Month | 24hr Composite | All |
| 34341 - Dimethyl phthalate - ug/l | - | - | - | - | - | - | - | 1/Month | 24hr Composite | All |
| 34371 - Ethylbenzene - ug/l | - | - | - | - | - | - | - | 1/Month | Grab | All |
| 34376 - Fluoranthene - ug/l | - | - | - | - | - | - | - | 1/Month | 24hr Composite | All |
| 34381 - Fluorene - ug/l | - | - | - | - | - | - | - | 1/Month | 24hr Composite | All |
| 34396 - Hexachloroethane - ug/l | - | - | - | - | - | - | - | 1/Month | 24hr Composite | All |
| 34418 - Methyl Chloride - ug/l | - | - | - | - | - | - | - | 1/Month | Grab | All |
| 34423 - Methylene Chloride - ug/l | - | - | - | - | - | - | - | 1/Month | Grab | All |
| 34447 - Nitrobenzene - ug/l | - | - | - | - | - | - | - | 1/Month | 24hr Composite | All |
| 34461 - Phenanthrene - ug/l | - | - | - | - | - | - | - | 1/Month | 24hr Composite | All |
| 34469 - Pyrene - ug/l | - | - | - | - | - | - | - | 1/Month | 24hr Composite | All |
| 34475 - Tetrachloroethylene - ug/l | - | - | - | - | - | - | - | 1/Month | Grab | All |
| 34496 - 1,1-Dichloroethane - ug/l | - | - | - | - | - | - | - | 1/Month | Grab | All |
| 34501 - 1,1-Dichloroethylene - ug/l | - | - | - | - | - | - | - | 1/Month | Grab | All |
| 34506 - 1,1,1-Trichloroethane - ug/l | - | - | - | - | - | - | - | 1/Month | Grab | All |
| 34511 - 1,1,2-Trichloroethane - ug/l | - | - | - | - | - | - | - | 1/Month | Grab | All |
| 34531 - 1,2-Dichloroethane - ug/l | - | - | - | - | - | - | - | 1/Month | Grab | All |

| Effluent Characteristic Parameter | Discharge Limitations | | | | | | | Monitoring Requirements | | |
|--|-------------------------------|---------|--------|---------|-----------------|--------|---------|-------------------------|----------------|-------------------|
| | Concentration Specified Units | | | | Loading* kg/day | | | Measuring Frequency | Sampling Type | Monitoring Months |
| | Maximum | Minimum | Weekly | Monthly | Daily | Weekly | Monthly | | | |
| 34536 - 1,2-Dichlorobenzene - ug/l | - | - | - | - | - | - | - | 1/Month | 24hr Composite | All |
| 34541 - 1,2-Dichloropropane - ug/l | - | - | - | - | - | - | - | 1/Month | Grab | All |
| 34546 - 1,2-trans-Dichloroethylene - ug/l | - | - | - | - | - | - | - | 1/Month | Grab | All |
| 34551 - 1,2,4-Trichlorobenzene - ug/l | - | - | - | - | - | - | - | 1/Month | 24hr Composite | All |
| 34566 - 1,3-Dichlorobenzene - ug/l | - | - | - | - | - | - | - | 1/Month | 24hr Composite | All |
| 34571 - 1,4-Dichlorobenzene - ug/l | - | - | - | - | - | - | - | 1/Month | 24hr Composite | All |
| 34591 - 2-Nitrophenol - ug/l | - | - | - | - | - | - | - | 1/Month | 24hr Composite | All |
| 34646 - 4-Nitrophenol - ug/l | - | - | - | - | - | - | - | 1/Month | 24hr Composite | All |
| 34657 - 4,6-Dinitro-o-cresol - ug/l | - | - | - | - | - | - | - | 1/Month | 24hr Composite | All |
| 34694 - Phenol - ug/l | - | - | - | - | - | - | - | 1/Week | 24hr Composite | All |
| 34696 - Naphthalene - ug/l | - | - | - | - | - | - | - | 1/Month | 24hr Composite | All |
| 39100 - Bis(2-ethylhexyl) Phthalate - ug/l | - | - | - | - | - | - | - | 1/Month | 24hr Composite | All |
| 39110 - Di-N-Butylphthalate - ug/l | - | - | - | - | - | - | - | 1/Month | 24hr Composite | All |
| 39175 - Vinyl Chloride - ug/l | - | - | - | - | - | - | - | 1/Month | Grab | All |
| 39180 - Trichloroethylene - ug/l | - | - | - | - | - | - | - | 1/Month | Grab | All |
| 39700 - Hexachlorobenzene - ug/l | - | - | - | - | - | - | - | 1/Month | 24hr Composite | All |
| 39702 - Hexachlorobutadiene - ug/l | - | - | - | - | - | - | - | 1/Month | 24hr Composite | All |
| 50092 - Mercury, Total (Low Level) - ng/l | - | - | - | - | - | - | - | 1/Month | Grab | All |
| 61941 - pH, Maximum - S.U. | 9.0 | - | - | - | - | - | - | 1/Day | Continuous | All |
| 61942 - pH, Minimum - S.U. | - | 6.0 | - | - | - | - | - | 1/Day | Continuous | All |
| 77163 - 1,3-Dichloropropylene - ug/l | - | - | - | - | - | - | - | 1/Month | Grab | All |

Notes for station 3IG00097604:

-This discharge is from the Biological Treatment plant prior to discharging to the Circulating Water System. - By-Product Wastewater from the coal to liquid process will discharge to the Biological Treatment unit..

-Sampling for this station shall occur at the same time as station 3IG00097001.

- Cyanide, See Part II, Item K and L.

Part I, A. - FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning on the effective date of this permit and lasting until expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall 3IG00097605. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Internal Monitoring Station - 605 - Final

| Effluent Characteristic Parameter | Discharge Limitations | | | | | | Monitoring Requirements | | | |
|---|-------------------------------|--------|-----------------|-------|--------|---------------------|-------------------------|-------------------|----------------|-----|
| | Concentration Specified Units | | Loading* kg/day | | | Measuring Frequency | Sampling Type | Monitoring Months | | |
| Maximum | Minimum | Weekly | Monthly | Daily | Weekly | | | | Monthly | |
| 00310 - Biochemical Oxygen Demand, 5 Day - mg/l | 80 | - | - | 30 | - | - | - | 1/Month | 24hr Composite | All |
| 00335 - Chemical Oxygen Demand (Low Level) - mg/l | 96 | - | - | 43 | - | - | - | 1/Month | 24hr Composite | All |
| 00515 - Residue, Total Dissolved - mg/l | - | - | - | - | - | - | - | 1/Month | 24hr Composite | All |
| 00530 - Total Suspended Solids - mg/l | - | - | - | - | - | - | - | 1/Month | 24hr Composite | All |
| 00610 - Nitrogen, Ammonia (NH3) - mg/l | 13 | - | - | 6.5 | - | - | - | 1/Month | 24hr Composite | All |
| 00719 - Cyanide, Free - mg/l | 1.2 | - | - | 0.42 | - | - | - | 1/Month | Grab | All |
| 00979 - Cobalt, Total Recoverable - ug/l | - | - | - | - | - | - | - | 1/Month | 24hr Composite | All |
| 00981 - Selenium, Total Recoverable - ug/l | - | - | - | - | - | - | - | 1/Month | 24hr Composite | All |
| 01094 - Zinc, Total Recoverable - ug/l | - | - | - | - | - | - | - | 1/Month | 24hr Composite | All |
| 01113 - Cadmium, Total Recoverable - ug/l | - | - | - | - | - | - | - | 1/Month | 24hr Composite | All |
| 01114 - Lead, Total Recoverable - ug/l | - | - | - | - | - | - | - | 1/Month | 24hr Composite | All |
| 01119 - Copper, Total Recoverable - ug/l | - | - | - | - | - | - | - | 1/Month | 24hr Composite | All |
| 32102 - Carbon Tetrachloride - ug/l | - | - | - | - | - | - | - | 1/Month | Grab | All |
| 32106 - Chloroform - ug/l | - | - | - | - | - | - | - | 1/Month | Grab | All |
| 32730 - Phenolic 4AAP, Total - ug/l | 470 | - | - | 200 | - | - | - | 1/Month | Grab | All |
| 34010 - Toluene - ug/l | 74 | - | - | 28 | - | - | - | 1/Month | Grab | All |
| 34030 - Benzene - ug/l | 134 | - | - | 57 | - | - | - | 1/Month | Grab | All |
| 34200 - Acenaphthylene - ug/l | 47 | - | - | 19 | - | - | - | 1/Month | 24hr Composite | All |

| Effluent Characteristic | Discharge Limitations | | | | | | | Monitoring Requirements | | |
|--|-------------------------------|---------|---------|--------|-----------------|-------|--------|-------------------------|----------------|-------------------|
| | Concentration Specified Units | | | | Loading* kg/day | | | Measuring Frequency | Sampling Type | Monitoring Months |
| | Parameter | Maximum | Minimum | Weekly | Monthly | Daily | Weekly | | | |
| 34205 - Acenaphthene - ug/l | 47 | - | - | 19 | - | - | - | 1/Month | 24hr Composite | All |
| 34220 - Anthracene, General Organic - ug/l | 47 | - | - | 19 | - | - | - | 1/Month | 24hr Composite | All |
| 34230 - 3,4-BenzoFluoranthene - ug/l | 48 | - | - | 20 | - | - | - | 1/Month | 24hr Composite | All |
| 34242 - Benzo(k)Fluoranthene - ug/l | 47 | - | - | 19 | - | - | - | 1/Month | 24hr Composite | All |
| 34247 - Benzo-A-Pyrene - ug/l | 48 | - | - | 20 | - | - | - | 1/Month | 24hr Composite | All |
| 34301 - Chlorobenzene - ug/l | - | - | - | - | - | - | - | 1/Month | Grab | All |
| 34311 - Chloroethane - ug/l | - | - | - | - | - | - | - | 1/Month | Grab | All |
| 34320 - Chrysene - ug/l | 47 | - | - | 19 | - | - | - | 1/Month | 24hr Composite | All |
| 34336 - Diethyl phthalate - ug/l | - | - | - | - | - | - | - | 1/Month | 24hr Composite | All |
| 34341 - Dimethyl phthalate - ug/l | - | - | - | - | - | - | - | 1/Month | 24hr Composite | All |
| 34371 - Ethylbenzene - ug/l | 380 | - | - | 142 | - | - | - | 1/Month | Grab | All |
| 34376 - Fluoranthene - ug/l | 54 | - | - | 22 | - | - | - | 1/Month | 24hr Composite | All |
| 34381 - Fluorene - ug/l | 47 | - | - | 19 | - | - | - | 1/Month | 24hr Composite | All |
| 34396 - Hexachloroethane - ug/l | - | - | - | - | - | - | - | 1/Month | 24hr Composite | All |
| 34418 - Methyl Chloride - ug/l | - | - | - | - | - | - | - | 1/Month | Grab | All |
| 34423 - Methylene Chloride - ug/l | - | - | - | - | - | - | - | 1/Month | Grab | All |
| 34447 - Nitrobenzene - ug/l | - | - | - | - | - | - | - | 1/Month | 24hr Composite | All |
| 34461 - Phenanthrene - ug/l | 47 | - | - | 19 | - | - | - | 1/Month | 24hr Composite | All |
| 34469 - Pyrene - ug/l | 48 | - | - | 20 | - | - | - | 1/Month | 24hr Composite | All |
| 34475 - Tetrachloroethylene - ug/l | - | - | - | - | - | - | - | 1/Month | Grab | All |
| 34496 - 1,1-Dichloroethane - ug/l | - | - | - | - | - | - | - | 1/Month | Grab | All |
| 34501 - 1,1-Dichloroethylene - ug/l | - | - | - | - | - | - | - | 1/Month | Grab | All |
| 34506 - 1,1,1-Trichloroethane - ug/l | - | - | - | - | - | - | - | 1/Month | Grab | All |
| 34511 - 1,1,2-Trichloroethane - ug/l | - | - | - | - | - | - | - | 1/Month | Grab | All |
| 34526 - Benzo(A)Anthracene - ug/l | 47 | - | - | 19 | - | - | - | 1/Month | 24hr Composite | All |

| Effluent Characteristic Parameter | Discharge Limitations | | | | | | | Monitoring Requirements | | |
|--|-------------------------------|---------|--------|---------|-----------------|--------|---------|-------------------------|----------------|-------------------|
| | Concentration Specified Units | | | | Loading* kg/day | | | Measuring Frequency | Sampling Type | Monitoring Months |
| | Maximum | Minimum | Weekly | Monthly | Daily | Weekly | Monthly | | | |
| 34531 - 1,2-Dichloroethane - ug/l | - | - | - | - | - | - | - | 1/Month | Grab | All |
| 34536 - 1,2-Dichlorobenzene - ug/l | - | - | - | - | - | - | - | 1/Month | 24hr Composite | All |
| 34541 - 1,2-Dichloropropane - ug/l | - | - | - | - | - | - | - | 1/Month | Grab | All |
| 34546 - 1,2-trans-Dichloroethylene - ug/l | - | - | - | - | - | - | - | 1/Month | Grab | All |
| 34551 - 1,2,4-Trichlorobenzene - ug/l | - | - | - | - | - | - | - | 1/Month | 24hr Composite | All |
| 34566 - 1,3-Dichlorobenzene - ug/l | - | - | - | - | - | - | - | 1/Month | 24hr Composite | All |
| 34571 - 1,4-Dichlorobenzene - ug/l | - | - | - | - | - | - | - | 1/Month | 24hr Composite | All |
| 34591 - 2-Nitrophenol - ug/l | - | - | - | - | - | - | - | 1/Month | 24hr Composite | All |
| 34646 - 4-Nitrophenol - ug/l | - | - | - | - | - | - | - | 1/Month | 24hr Composite | All |
| 34657 - 4,6-Dinitro-o-cresol - ug/l | - | - | - | - | - | - | - | 1/Month | 24hr Composite | All |
| 34696 - Naphthalene - ug/l | 47 | - | - | 19 | - | - | - | 1/Month | 24hr Composite | All |
| 39100 - Bis(2-ethylhexyl) Phthalate - ug/l | - | - | - | - | - | - | - | 1/Month | 24hr Composite | All |
| 39110 - Di-N-Butylphthalate - ug/l | - | - | - | - | - | - | - | 1/Month | 24hr Composite | All |
| 39175 - Vinyl Chloride - ug/l | - | - | - | - | - | - | - | 1/Month | Grab | All |
| 39180 - Trichloroethylene - ug/l | - | - | - | - | - | - | - | 1/Month | Grab | All |
| 39700 - Hexachlorobenzene - ug/l | - | - | - | - | - | - | - | 1/Month | 24hr Composite | All |
| 39702 - Hexachlorobutadiene - ug/l | - | - | - | - | - | - | - | 1/Month | 24hr Composite | All |
| 50050 - Flow Rate - MGD | - | - | - | - | - | - | - | 1/Day | 24hr Total | All |
| 50092 - Mercury, Total (Low Level) - ng/l | - | - | - | - | - | - | - | 1/Month | Grab | All |
| 77163 - 1,3-Dichloropropylene - ug/l | - | - | - | - | - | - | - | 1/Month | Grab | All |

Notes for station 3IG00097605:

-This discharge is from the Reverse Osmosis/EDI process prior to discharging to the Settling Basin. Wastewater discharging to this unit will be from the ZLD/HERO system.

-Sampling for this station shall occur at the same time as station 3IG00097001.

-Cyanide, See Part II, Item M.

Part I, A. - FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall 3IG00097606. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Internal Monitoring Station - 606 - Final

| <u>Effluent Characteristic</u> Parameter | <u>Discharge Limitations</u> | | | | | | | <u>Monitoring Requirements</u> | | |
|---|-------------------------------|--------|-----------------|-------|--------|---------|---|--------------------------------|----------------|-------------------|
| | Concentration Specified Units | | Loading* kg/day | | | | | Measuring Frequency | Sampling Type | Monitoring Months |
| Maximum | Minimum | Weekly | Monthly | Daily | Weekly | Monthly | | | | |
| 00530 - Total Suspended Solids - mg/l | 100 | - | - | 30 | - | - | - | 1/Month | 24hr Composite | All |
| 00552 - Oil and Grease, Hexane Extr Method - mg/l | 20 | - | - | 15 | - | - | - | 1/Month | Grab | All |
| 50050 - Flow Rate - MGD | - | - | - | - | - | - | - | 1/Day | 24hr Total | All |

Notes for station 3IG00097606:

- This discharge is from the Power Block prior to discharging to the Circulating Water System.
- Sampling at this station shall occur at the same time as station 3IG00097001.

Part I, A. - FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning on the effective date of this permit and lasting until expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall 3IG00097607. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Internal Monitoring Station - 607 - Final

| <u>Effluent Characteristic</u> Parameter | <u>Discharge Limitations</u> | | | | | | | <u>Monitoring Requirements</u> | | |
|---|-------------------------------|---------|-----------------|---------|-------|--------|---------|--------------------------------|----------------|-------------------|
| | Concentration Specified Units | | Loading* kg/day | | | | | Measuring Frequency | Sampling Type | Monitoring Months |
| | Maximum | Minimum | Weekly | Monthly | Daily | Weekly | Monthly | | | |
| 00530 - Total Suspended Solids - mg/l | 100 | - | - | 30 | - | - | - | When Disch. | 24hr Composite | All |
| 00552 - Oil and Grease, Hexane Extr Method - mg/l | 20 | - | - | 15 | - | - | - | When Disch. | 24hr Composite | All |
| 01042 - Copper, Total (Cu) - ug/l | 1000 | - | - | 1000 | - | - | - | When Disch. | 24hr Composite | All |
| 01045 - Iron, Total (Fe) - ug/l | 1000 | - | - | 1000 | - | - | - | When Disch. | 24hr Composite | All |

Notes for station 3IG00097607:

- This discharge is from the Power Block Chemical Metal Cleaning prior to discharging to the Settling Basin.
- See Part II, Item Q.

Part I, B. - UPSTREAM MONITORING REQUIREMENTS

1. Upstream Monitoring. During the period beginning on the effective date of this permit and lasting until expiration date, the permittee shall monitor the receiving stream, upstream of the point of discharge at Station Number 3IG00097801, and report to the Ohio EPA in accordance with the following table. See Part II, OTHER REQUIREMENTS, for location of sampling.

Table - Upstream Monitoring - 801 - Final

| Effluent Characteristic Parameter | Discharge Limitations | | | | | | | Monitoring Requirements | | |
|--|-------------------------------|---------|--------|---------|-----------------|--------|---------|-------------------------|------------------|----------------------|
| | Concentration Specified Units | | | | Loading* kg/day | | | Measuring Frequency | Sampling Type | Monitoring Months |
| | Maximum | Minimum | Weekly | Monthly | Daily | Weekly | Monthly | | | |
| 01501 - Alpha, Total Activity - pc/l | - | - | - | - | - | - | - | 1/Month | Grab | All |
| 03501 - Beta, Total Activity - pc/l | - | - | - | - | - | - | - | 1/Month | Grab | All |

NOTES for Station Number 3IG00097801:

-Sampling for this station shall occur at the same time as 3IG00097001

Part I, B. - DOWNSTREAM-NEARFIELD MONITORING REQUIREMENTS

1. Downstream-Nearfield Monitoring. During the period beginning on the effective date of this permit and lasting until expiration date, the permittee shall monitor the receiving stream, downstream of the point of discharge, at Station Number 3IG00097901, and report to the Ohio EPA in accordance with the following table. See Part II, OTHER REQUIREMENTS, for location of sampling.

Table - Downstream-Nearfield Monitoring - 901 - Final

| <u>Effluent Characteristic</u> Parameter | <u>Discharge Limitations</u> | | | | | | <u>Monitoring Requirements</u> | | | |
|---|-------------------------------|--------|-----------------|-------|--------|---------|--------------------------------|---------------|-------------------|-----|
| | Concentration Specified Units | | Loading* kg/day | | | | Measuring Frequency | Sampling Type | Monitoring Months | |
| Maximum | Minimum | Weekly | Monthly | Daily | Weekly | Monthly | | | | |
| 01501 - Alpha, Total Activity - pc/l | - | - | - | - | - | - | - | 1/Month | Grab | All |
| 03501 - Beta, Total Activity - pc/l | - | - | - | - | - | - | - | 1/Month | Grab | All |

NOTES for Station Number 3IG00097901:

-Sampling for this station shall occur at the same time as station 3IG00097001.

Part II, OTHER REQUIREMENTS

A. Description of the location of the required sampling stations are as follows:

| Sampling Station | Description of Location |
|----------------------------|--|
| 3IG00097001 . . . | Final effluent after combining with circulating water system, and prior to mixing with station 3IG00097002, then discharging to the Ohio River. (Lat: 40N 34' 58"; Long: 80W 40' 05") |
| 3IG00097002 . | Uncontaminated storm water from the site, prior to mixing with 3IG00097001, and discharging to the Ohio River. (Lat: 40N 34' 58"; Long: 80W 40' 05") |
| 3IG00097601 . . | Discharge from the settling basin prior to mixing with the Circulating Water System. (Lat: 40N 34' 58"; Long: 80W 40' 05") |
| 3IG00097602 . . | Discharge from the Oil/Water Seperator prior to discharging to the Settling Basin. (Lat: 40N 34' 58"; Long: 80W 40' 05") |
| 3IG00097603 . . | Discharge from the Coal Pile runoff prior to discharging to the ZLD/HERO treatment process or upstream of outfall 3IG00097001. (Lat: 40N 34' 58"; Long: 80W 40' 05") |
| 3IG00097604 . . | Discharge from the Biological Treatment Plant prior to discharging to the Circulating Water System. (Lat: 40N 34' 58"; Long: 80W 40' 05") |
| 3IG00097605 . . | Discharge from the Reverse Osmosis/EDI process prior to discharging to the Settling Basin. (Lat: 40N 34' 58"; Long: 80W 40' 05") |
| 3IG00097606 . . | Discharge from the Power Block prior to discharging to the Circulating Water System. (Lat: 40N 34' 58"; Long: 80W 40' 05") |
| 3IG00097607 . . | Discharge from the Power Block Chemical Metal Cleaning prior to discharging to the Settling Basin. (Lat: 40N 34' 58"; Long: 80W 40' 05") |
| 3IG00097801 . | Upstream of the Final Effluent. (Lat: 40N 34' 58"; Long: 80W 40' 05") |
| 3IG00097901 . | Downstream Nearfield Monitoring of Final Effluent. (Lat: 40N 34' 58"; Long: 80W 40' 05") |

B. This permit shall be modified, or alternatively, revoked and reissued, to comply with any applicable effluent standard or limitation issued or approved under Sections 301(b)(2)(C) and (D), 304(b)(2), and 307(a)(2) of the Clean Water Act, if the effluent standard or limitation so issued or approved.

1. Contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or
2. Controls any pollutant not limited in the permit.

The permit as modified or reissued under this paragraph shall also contain any other requirements of the Act then applicable.

C. All parameters, except flow, need not be monitored on days when the plant is not normally staffed (Saturdays, Sundays, and Holidays). On those days, report "AN" on the monthly report form.

D. In the event that the permittee's operation requires the use of cooling or boiler water treatment additives that are discharged to surface waters of the state, written permission must be obtained from the director of the Ohio EPA prior to use. Discharges of these additives must meet Ohio Water Quality Standards and shall not be harmful or inimical to aquatic life. Reporting and testing requirements to apply for permission to use additives can be obtained from the Ohio EPA, Central Office, Division of Surface Water, Industrial Permits Unit. This information is also available on the DSW website:

http://www.epa.state.oh.us/dsw/policy/policy_index.html.

E. Oil and grease shall be monitored once per month at monitoring station number 3IG00097002. This sample shall be collected between 30 and 60 minutes following the start of any one rainfall event occurring during the sampling period. In the event of multiple rainfall events during one sampling period, the permittee shall sample only the first of such rainfall events. If a measurable rainfall event does not occur, the permittee is required to sample on the last day of the sampling period.

F. On outfalls where pH is monitored continuously, the permittee shall maintain the pH of such wastewater within the range specified in this permit. Excursions from the range are permitted subject to the following limitations.

1. The total time during which pH values are outside the required range of pH values shall not exceed 7 hours and 26 minutes in a calendar month.

2. No individual excursion from the range of pH values shall exceed 60 minutes.

3. The permittee shall report each month for each monitoring station where pH is monitored continuously the following:

- a. the number of pH excursions;
- b. the duration of each excursion;
- c. the date of each excursion;and
- d. the total time of all excursions combined.

G. Permit limitations may be revised in order to meet water quality standards after a stream use determination and waste load allocation are completed and approved. This permit may be modified, or alternatively, revoked and reissued, to comply with any applicable water quality effluent limitations.

H. There shall be no detectable amount of any priority pollutant attributable to cooling tower maintenance chemicals in the cooling tower blowdown wastewater.

I. Composite samples shall be comprised of a series of grab samples collected over a 24-hour period and proportionate in volume to the wastewater flow rate at the time of sampling. Such samples shall be collected at such times and locations, and in such a fashion, as to be representative of the facility's overall performance.

J. Grab samples shall be collected at such times and locations, and in such fashion, as to be representative of the facility's performance.

K. The parameters below have had effluent limitations established that are below the Ohio EPA Quantification Level (OEPA QL) for the approved analytical procedure promulgated at 40 CFR 136. OEPA QLs may be expressed as Practical Quantification Levels (PQL) or Minimum Levels (ML).

Compliance with an effluent limit that is below the OEPA QL is determined in accordance with ORC Section 6111.13 and OAC Rule 3745-33-07(C). For maximum effluent limits, any value reported below the OEPA QL shall be considered in compliance with the effluent limit. For average effluent limits, compliance shall be determined by taking the arithmetic mean of values reported for a specified averaging period, using zero (0) for any value reported at a concentration less than the OEPA QL, and comparing that mean to the appropriate average effluent limit. An arithmetic mean that is less than or equal to the average effluent limit shall be considered in compliance with that limit.

The permittee must utilize the lowest available detection method currently approved under 40 CFR Part 136 for monitoring these parameters.

REPORTING:

All analytical results, even those below the OEPA QL (listed below), shall be reported. Analytical results are to be reported as follows:

1. Results above the QL: Report the analytical result for the parameter of concern.
2. Results above the MDL, but below the QL: Report the analytical result, even though it is below the QL.
3. Results below the MDL: Analytical results below the method detection limit shall be reported as "below detection" using the reporting code "AA".

The following table of quantification levels will be used to determine compliance with NPDES permit limits:

| Parameter | PQL | ML |
|--------------------------|------------|----|
| Chlorine, Total Residual | 0.050 mg/l | -- |

This permit may be modified, or, alternatively, revoked and reissued, to include more stringent effluent limits or conditions if information generated as a result of the conditions of this permit indicate the presence of these pollutants in the discharge at levels above the water quality based effluent limit (WQBEL).

L. It is understood by Ohio EPA that at the time permit 3IG00097AD becomes effective, an analytical method is not approved under 40 CFR 136 to evaluate compliance with the free cyanide effluent limitations included in the permit. The permittee shall utilize method 4500-CN I in the 18th, 19th or 20th edition of Standard Methods.

M. It is understood by Ohio EPA that at the time permit 3IG00097AD becomes effective, an analytical method is not approved under 40 CFR 136 to comply with the free cyanide monitoring requirements included in the permit. The permittee shall utilize method 4500-CN I in the 18th, 19th or 20th edition of Standard Methods.

N. Prior to the start-up of the plant, the permittee shall post a permanent marker on the stream bank at each outfall that is regulated under this NPDES permit and discharges to Ohio River. This includes final outfalls, bypasses, and combined sewer overflows. The marker shall consist at a minimum of the name of the establishment to which the permit was issued, the Ohio EPA permit number, and the outfall number and a contact telephone number. The information shall be printed in letters not less than two inches in height. The marker shall be a minimum of 2 feet by 2 feet and shall be a minimum of 3 feet above ground level. The sign shall be not be obstructed such that persons in boats or persons swimming on the river or someone fishing or walking along the shore cannot read the sign. Vegetation shall be periodically removed to keep the sign visible. If the outfall is normally submerged the sign shall indicate that. If the outfall is a combined sewer outfall, the sign shall indicate that untreated human sewage may be discharged from the outfall during wet weather and that harmful bacteria may be present in the water.

O. Notification to Public Water Supply Operators.

1. As required by the Ohio Administrative Code 3745-33-08(F), permits for facilities designated by the director as major discharges, in 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 spill, separate sewer overflow, bypass, upset, or combined sewer overflow that reaches waters of the state:

a. Discharges within three thousand feet of a public water supply intake located in a lake;
or

b. Discharges within ten stream miles upstream of a public water supply intake located in a reservoir or any other surface water of the state.

2. Public water supply operators meeting the criteria in Part II, Item N.1 above for the Ohio River Clean Fuels are:

-Toronto Public Drinking Water Plant; 310 N. sixth street, Toronto, OH, (740) 537-2428.

3. Within 6 months of the effective date of this permit, the permittee shall develop notification procedures between the wastewater system operator and public water supply operator[s] listed above in Part II, Item N.2 that defines the specific notification requirements to the public water supply operator and what constitutes notification "as soon as practicable"

P. Biomonitoring Program Requirements

When the plant begins operations, the permittee shall initiate an effluent biomonitoring program to evaluate compliance with the whole effluent toxicity limits of 1.0 TUa at outfall 3IG00097001.

General Requirements

All toxicity testing conducted as required by this permit shall be done in accordance with Reporting and Testing Guidance for Biomonitoring Required by the Ohio Environmental Protection Agency (hereinafter, the "biomonitoring guidance"), Ohio EPA, 1991 (or current revision). The Standard Operating Procedures (SOP) or verification of SOP submittal, as described in Section 1.B. of the biomonitoring guidance, shall be submitted no later than three months after the effective date of this permit. If the laboratory performing the testing has modified its protocols, a new SOP is required.

Testing Requirements

1. Acute Bioassays

The permittee shall conduct quarterly definitive acute toxicity tests using *Ceriodaphnia dubia* and fathead minnows (*Pimephales promelas*) on effluent samples from outfall 3IG00097001. These tests shall be conducted as specified in Section 2 of the biomonitoring guidance.

2. Testing of Ambient Water

In conjunction with the acute toxicity tests, upstream control water shall be collected at a point outside the zone of effluent and receiving water interaction at station 3IG00097801. Testing of ambient waters shall be done in accordance with Section 2 of the biomonitoring guidance.

3. Data Review

a. Reporting

Following completion of each bioassay requirement, the permittee shall report results of the tests in accordance with Sections 2.H.1., and 2.H.2.a., of the biomonitoring guidance. Based on Ohio EPA's evaluation of the results, this permit may be modified to require additional biomonitoring or require a toxicity reduction evaluation.

b. Definitions

TUa = Acute Toxic Units = 100/LC50

Q. Chemical Metal Cleaning Wastes

1. Notify the district engineer of Ohio EPA at least two weeks prior to the date of an anticipated chemical metal cleaning operation. Any change in schedule or cleaning compound shall be reported as soon as possible.
2. Chemical metal cleaning wastewater, including rinses, shall be discharged to a chemical metal cleaning waste treatment facility, prior to its discharge into the settling basin.
3. Submit a report to the Ohio EPA within 30 days after the wastewater is treated in the chemical metal cleaning waste (CMCW) treatment facility which includes the following:
 - a. Estimated volume of CMCW, including rinse water.
 - b. Type of cleaning compound used.
 - c. Designation of method of decanting (i.e. by siphoning, pumping, etc.) the supernatant in the CMCW treatment facility.
 - d. Report all analytical data including date, time and metal concentrations of samples taken to show compliance with the required degree of treatment given in (R.2.) above.
 - e. Any unusual events occurring during the chemical metal cleaning and treatment period.
4. The permittee may elect to treat or dispose of the chemical metal cleaning wastewater and rinse water via alternative means, e.g. off-site hauling, onsite evaporation, etc., instead of treating the wastewater in the CMCW treatment facility as described in (R.2.) above. The permittee shall submit a report to Ohio EPA within 30 days after the wastewater is processed which includes the following:
 - a. Estimated volume of chemical metal cleaning waste, including rinse water.
 - b. Identify the boiler and indicate that the wastewater was manifested (if applicable).
 - c. Indicate name, operator, and location of the disposal site (if applicable).
 - d. Method of treatment and/or disposal utilized.
 - e. Any unusual events occurring during the chemical metal cleaning period.