

Application No. OH0025488

Issue Date: February 15, 2005

Effective Date: March 1, 2005

Expiration Date: February 28, 2010

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),

Board of Commissioners of Hamilton County

is authorized by the Ohio Environmental Protection Agency, hereinafter referred to as "Ohio EPA," to discharge from the Sycamore Creek wastewater treatment works located at 9273 Old Remington Road, Cincinnati, Ohio, Hamilton County and discharging to Sycamore Creek in accordance with the conditions specified in Parts I, II, and III of this permit.

I have determined that a lowering of water quality in Sycamore Creek and subsequently the Little Miami 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.

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.

Joseph P. Koncelik
Director

Total Pages: 47

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

1. During the period beginning on the effective date of this permit and lasting until 36 months from the effective date of this permit, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from the following outfall: 1PK00005001 . See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Final Outfall - 001 - Initial - 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	Continuous	All
00300 - Dissolved Oxygen - mg/l	-	5.0	-	-	-	-	-	1/Day	Multiple Grab	All
00530 - Total Suspended Solids - mg/l	-	-	30	20	-	681	454	3/Week	Composite	All
00552 - Oil and Grease, Hexane Extr Method - mg/l	10	-	-	-	-	-	-	1/Month	Grab	All
00610 - Nitrogen, Ammonia (NH3) - mg/l	-	-	5.4	3.6	-	204	136	3/Week	Composite	Winter
00610 - Nitrogen, Ammonia (NH3) - mg/l	-	-	2.0	1.3	-	68	45	3/Week	Composite	Summer
00625 - Nitrogen Kjeldahl, Total - mg/l	-	-	-	-	-	-	-	1/Month	Composite	All
00630 - Nitrite Plus Nitrate, Total - mg/l	-	-	-	-	-	-	-	1/Month	Composite	All
00665 - Phosphorus, Total (P) - mg/l	-	-	-	-	-	-	-	1/Week	Composite	All
00719 - Cyanide, Free - mg/l	-	-	-	-	-	-	-	1/Month	Grab	All
00982 - Thallium, Total Recoverable - ug/l	-	-	-	-	-	-	-	1/Month	Composite	All
01074 - Nickel, Total Recoverable - ug/l	-	-	-	-	-	-	-	1/Quarter	Composite	Quarterly
01079 - Silver, Total Recoverable - ug/l	-	-	-	-	-	-	-	1/Month	Composite	All
01094 - Zinc, Total Recoverable - ug/l	-	-	-	-	-	-	-	1/Quarter	Composite	Quarterly
01113 - Cadmium, Total Recoverable - ug/l	-	-	-	-	-	-	-	1/Quarter	Composite	Quarterly
01114 - Lead, Total Recoverable - ug/l	-	-	-	-	-	-	-	1/Quarter	Composite	Quarterly
01118 - Chromium, Total Recoverable - ug/l	-	-	-	-	-	-	-	1/Quarter	Composite	Quarterly
01119 - Copper, Total Recoverable - ug/l	-	-	-	-	-	-	-	1/Month	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				
01220 - Chromium, Dissolved Hexavalent - ug/l	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
31616 - Fecal Coliform - #/100 ml	-	-	2000	1000	-	-	-	3/Week	Grab	Summer
50050 - Flow Rate - MGD	-	-	-	-	-	-	-	1/Day	Continuous	All
50060 - Chlorine, Total Residual - mg/l	0.020	-	-	-	-	-	-	1/Day	Multiple Grab	Summer
50092 - Mercury, Total (Low Level) - ng/l	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
61425 - Acute Toxicity, Ceriodaphnia dubia - TUa	-	-	-	-	-	-	-	2/Year	Composite	Semi-annual
61426 - Chronic Toxicity, Ceriodaphnia dubia - TUC	-	-	-	-	-	-	-	2/Year	Composite	Semi-annual
61941 - pH, Maximum - S.U.	9.0	-	-	-	-	-	-	1/Day	Multiple Grab	All
61942 - pH, Minimum - S.U.	-	6.5	-	-	-	-	-	1/Day	Multiple Grab	All
80082 - CBOD 5 day - mg/l	-	-	23	15	-	522	341	3/Week	Composite	All

NOTES for station 1PK00005001:

* Effluent loadings based on average design flow of 6.0 MGD.

- Total residual chlorine - See Part II, Items G and I.
- Nickel, zinc, cadmium, lead, total chromium, copper, and silver - See Part II, Item M.
- Dissolved hexavalent chromium - See Part II, Item N.
- Free cyanide - See Part II, Items N and Q.
- Mercury - See Part II, Items N and W.
- Whole effluent toxicity - See Part II, Item T.
- Semi-annual monitoring shall be conducted during June and December.

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

2. During the period beginning 36 months from the effective date of this permit and lasting until 59 months from the effective date of this permit, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from the following outfall: 1PK00005001 . See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Final Outfall - 001 - Interim

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	-	-	30	20	-	681	454	3/Week	Composite	All
00610 - Nitrogen, Ammonia (NH3) - mg/l	-	-	2.0	1.3	-	68	45	3/Week	Composite	Summer
00610 - Nitrogen, Ammonia (NH3) - mg/l	-	-	5.4	3.6	-	204	136	3/Week	Composite	Winter
00665 - Phosphorus, Total (P) - mg/l	-	-	-	-	-	-	-	1/Week	Composite	All
01079 - Silver, Total Recoverable - ug/l	-	-	-	-	-	-	-	1/Month	Composite	All
50050 - Flow Rate - MGD	-	-	-	-	-	-	-	1/Day	Total	All
80082 - CBOD 5 day - mg/l	-	-	23	15	-	522	341	3/Week	Composite	All

NOTES for Station Number 1PK00005001:

* Effluent loadings based on average design flow of 6.0 MGD.

- Silver - See Part II, Item M.

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

3. During the period beginning 59 months from 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 the following outfall: 1PK00005001. 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
00530 - Total Suspended Solids - mg/l	-	-	20	13	-	681	454	3/Week	Composite	All
00610 - Nitrogen, Ammonia (NH3) - mg/l	-	-	1.8	1.2	-	61	41	3/Week	Composite	Summer
00610 - Nitrogen, Ammonia (NH3) - mg/l	-	-	4.4	2.9	-	150	99	3/Week	Composite	Winter
00665 - Phosphorus, Total (P) - mg/l	-	-	1.5	1.0	-	51	34	1/Week	Composite	Summer
01079 - Silver, Total Recoverable - ug/l	6.2	-	-	1.3	0.21	-	0.04	1/Month	Composite	All
50050 - Flow Rate - MGD	-	-	-	-	-	-	-	1/Day	Continuous	All
80082 - CBOD 5 day - mg/l	-	-	15	10	-	522	341	3/Week	Composite	All

NOTES for Station Number 1PK00005001:

* Effluent loadings based on average design flow of 9.0 MGD.

- Silver - See Part II, Item M.

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

4. During the period beginning 36 months from the effective date of this permit and lasting until 59 months from the effective date of this permit, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from the following outfall: 1PK00005002. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Final Outfall - 002 - Interim - 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
00010 - Water Temperature - C	-	-	-	-	-	-	-	1/Day	Continuous	All
00045 - Total Precipitation - Inches	-	-	-	-	-	-	-	When Disch.	Total	All
00300 - Dissolved Oxygen - mg/l	-	5.0	-	-	-	-	-	1/Day	Multiple Grab	All
00530 - Total Suspended Solids - mg/l	-	-	30	20	-	-	-	3/Week	Composite	All
00552 - Oil and Grease, Hexane Extr Method - mg/l	10	-	-	-	-	-	-	1/Month	Grab	All
00610 - Nitrogen, Ammonia (NH3) - mg/l	-	-	5.4	3.6	-	-	-	3/Week	Composite	Winter
00610 - Nitrogen, Ammonia (NH3) - mg/l	-	-	2.0	1.3	-	-	-	3/Week	Composite	Summer
00625 - Nitrogen Kjeldahl, Total - mg/l	-	-	-	-	-	-	-	1/Month	Composite	All
00630 - Nitrite Plus Nitrate, Total - mg/l	-	-	-	-	-	-	-	1/Month	Composite	All
00665 - Phosphorus, Total (P) - mg/l	-	-	-	-	-	-	-	1/Week	Composite	All
00719 - Cyanide, Free - mg/l	-	-	-	-	-	-	-	1/Month	Grab	All
00982 - Thallium, Total Recoverable - ug/l	-	-	-	-	-	-	-	1/Month	Composite	All
01074 - Nickel, Total Recoverable - ug/l	-	-	-	-	-	-	-	1/Quarter	Composite	Quarterly
01079 - Silver, Total Recoverable - ug/l	-	-	-	-	-	-	-	1/Month	Composite	All
01094 - Zinc, Total Recoverable - ug/l	-	-	-	-	-	-	-	1/Quarter	Composite	Quarterly
01113 - Cadmium, Total Recoverable - ug/l	-	-	-	-	-	-	-	1/Quarter	Composite	Quarterly
01114 - Lead, Total Recoverable - ug/l	-	-	-	-	-	-	-	1/Quarter	Composite	Quarterly
01118 - Chromium, Total Recoverable - ug/l	-	-	-	-	-	-	-	1/Quarter	Composite	Quarterly

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	
01119 - Copper, Total Recoverable - ug/l	-	-	-	-	-	-	-	1/Month	Composite	All
01220 - Chromium, Dissolved Hexavalent - ug/l	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
31616 - Fecal Coliform - #/100 ml	-	-	2000	1000	-	-	-	3/Week	Grab	Summer
50050 - Flow Rate - MGD	-	-	-	-	-	-	-	1/Day	Total	All
50060 - Chlorine, Total Residual - mg/l	0.020	-	-	-	-	-	-	1/Day	Multiple Grab	Summer
50092 - Mercury, Total (Low Level) - ng/l	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
61425 - Acute Toxicity, Ceriodaphnia dubia - TUa	-	-	-	-	-	-	-	2/Year	Composite	Semi-annual
61426 - Chronic Toxicity, Ceriodaphnia dubia - TUc	-	-	-	-	-	-	-	2/Year	Composite	Semi-annual
61941 - pH, Maximum - S.U.	9.0	-	-	-	-	-	-	1/Day	Multiple Grab	All
61942 - pH, Minimum - S.U.	-	6.5	-	-	-	-	-	1/Day	Multiple Grab	All
80082 - CBOD 5 day - mg/l	-	-	23	15	-	-	-	3/Week	Composite	All

NOTES for Station Number 1PK00005002:

- * Effluent loadings based on average design flow of 6.0 MGD.
- Total residual chlorine - See Part II, Items G and I.
- Nickel, zinc, cadmium, lead, total chromium, copper, and silver - See Part II, Item M.
- Dissolved hexavalent chromium - See Part II, Item N.
- Free cyanide - See Part II, Items N and Q.
- Mercury - See Part II, Items N and W.
- Whole effluent toxicity - See Part II, Item T.
- Semi-annual monitoring shall be conducted during June and December.

- Flow through Station 1PK00005002 consists of fully treated effluent from station 1PK00005001 and high rate treatment effluent from station 1PK00005604.
- Total precipitation "When Discharging" - Total precipitation, in inches, shall be reported on each day that measurable precipitation is recorded.
- Fecal coliform - In addition to the 3/Week samples required in the above table, the permittee shall collect a grab sample on each day there is a discharge through station 604. This sample shall be collected during the time that the discharge through station 604 is occurring. If the discharge through station 604 occurs during a time when the plant is not normally staffed for sampling, report "AH" on the monthly operating report with "Plant not staffed for sampling" in the remark section. The results of these samples shall be reported along with the results of the regularly scheduled samples and will be used in the calculation of average weekly and average monthly concentrations.
- Oil and grease - In addition to the 1/Month sample required in the above table, the permittee shall collect a grab sample one day during the month when there is a discharge through station 604. This sample shall be collected during the time that the discharge through station 604 is occurring. If the discharge through station 604 occurs during a time that the plant is normally staffed for sampling, report "AH" on the monthly operating report with "Plant not staffed for sampling" in the remark section. The results of this sample shall be reported along with the result of the regularly scheduled sample.
- Total suspended solids, ammonia-nitrogen, phosphorus, and CBOD5 - In addition to the 3/Week samples required in the above table, the permittee shall collect a 24-hour flow proportioned composite sample for these parameters on each day when there is a discharge through station 604. The results of these samples shall be reported along with the results of the regularly scheduled samples and will be used in the calculation of average weekly and average monthly concentrations. If the 24-hour sampling period spans two days, the results shall be reported on the second day.

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

5. During the period beginning 59 months from 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 the following outfall: 1PK00005003. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Final Outfall - 003 - 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	Continuous	All
00045 - Total Precipitation - Inches	-	-	-	-	-	-	-	When Disch.	Total	All
00300 - Dissolved Oxygen - mg/l	-	6.0	-	-	-	-	-	1/Day	Multiple Grab	All
00530 - Total Suspended Solids - mg/l	-	-	20	13	-	-	-	3/Week	Composite	All
00552 - Oil and Grease, Hexane Extr Method - mg/l	10	-	-	-	-	-	-	1/Month	Grab	All
00610 - Nitrogen, Ammonia (NH3) - mg/l	-	-	1.8	1.2	-	-	-	3/Week	Composite	Summer
00610 - Nitrogen, Ammonia (NH3) - mg/l	-	-	4.4	2.9	-	-	-	3/Week	Composite	Winter
00625 - Nitrogen Kjeldahl, Total - mg/l	-	-	-	-	-	-	-	1/Month	Composite	All
00630 - Nitrite Plus Nitrate, Total - mg/l	-	-	-	-	-	-	-	1/Month	Composite	All
00665 - Phosphorus, Total (P) - mg/l	-	-	-	-	-	-	-	1/Month	Composite	Winter
00665 - Phosphorus, Total (P) - mg/l	-	-	1.5	1.0	-	-	-	1/Week	Composite	Summer
00719 - Cyanide, Free - mg/l	-	-	-	-	-	-	-	1/Month	Grab	All
00982 - Thallium, Total Recoverable - ug/l	-	-	-	-	-	-	-	1/Month	Composite	All
01074 - Nickel, Total Recoverable - ug/l	-	-	-	-	-	-	-	1/Quarter	Composite	Quarterly
01079 - Silver, Total Recoverable - ug/l	6.2	-	-	1.3	-	-	-	1/Month	Composite	All
01094 - Zinc, Total Recoverable - ug/l	-	-	-	-	-	-	-	1/Quarter	Composite	Quarterly
01113 - Cadmium, Total Recoverable - ug/l	-	-	-	-	-	-	-	1/Quarter	Composite	Quarterly
01114 - Lead, Total Recoverable - ug/l	-	-	-	-	-	-	-	1/Quarter	Composite	Quarterly

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	
01118 - Chromium, Total Recoverable - ug/l	-	-	-	-	-	-	-	1/Quarter	Composite	Quarterly
01119 - Copper, Total Recoverable - ug/l	-	-	-	-	-	-	-	1/Month	Composite	All
01220 - Chromium, Dissolved Hexavalent - ug/l	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
31616 - Fecal Coliform - #/100 ml	-	-	2000	1000	-	-	-	3/Week	Grab	Summer
50050 - Flow Rate - MGD	-	-	-	-	-	-	-	1/Day	Total	All
50092 - Mercury, Total (Low Level) - ng/l	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
61425 - Acute Toxicity, Ceriodaphnia dubia - TUa	-	-	-	-	-	-	-	2/Year	Composite	Semi-annual
61426 - Chronic Toxicity, Ceriodaphnia dubia - TUc	-	-	-	-	-	-	-	2/Year	Composite	Semi-annual
61941 - pH, Maximum - S.U.	9.0	-	-	-	-	-	-	1/Day	Multiple Grab	All
61942 - pH, Minimum - S.U.	-	6.5	-	-	-	-	-	1/Day	Multiple Grab	All
80082 - CBOD 5 day - mg/l	-	-	15	10	-	-	-	3/Week	Composite	All

NOTES for station 1PK00005003:

* Effluent loadings based on average design flow of 9.0 MGD.

- Nickel, zinc, cadmium, lead, total chromium, copper, and silver - See Part II, Item M.

- Dissolved hexavalent chromium - See Part II, Item N.

- Free cyanide - See Part II, Items N and Q.

- Mercury - See Part II, Items N and W.

- Whole effluent toxicity - See Part II, Item T.

- Semi-annual monitoring shall be conducted during June and December.

- Flow through Station 1PK00005003 consists of fully treated effluent from station 1PK00005001 and high rate treatment effluent from station 1PK00005604.

- Total precipitation "When Discharging" - Total precipitation, in inches, shall be reported on each day that measurable precipitation is recorded.

- Fecal coliform - In addition to the 3/Week samples required in the above table, the permittee shall collect a grab sample on each day there is a discharge through station 604. This sample shall be collected during the time that the discharge through station 604 is occurring. If the discharge through station 604 occurs during a time when the plant is not normally staffed for sampling, report "AH" on the monthly operating report with "Plant not staffed for sampling" in the remark section. The results of these samples shall be reported along with the results of the regularly scheduled samples and will be used in the calculation of average weekly and average monthly concentrations.

- Oil and grease - In addition to the 1/Month sample required in the above table, the permittee shall collect a grab sample one day during the month when there is a discharge through station 604. This sample shall be collected during the time that the discharge through station 604 is occurring. If the discharge through station 604 occurs during a time that the plant is normally staffed for sampling, report "AH" on the monthly operating report with "Plant not staffed for sampling" in the remark section. The results of this sample shall be reported along with the result of the regularly scheduled sample.

- Total suspended solids, ammonia-nitrogen, phosphorus, and CBOD5 - In addition to the 3/Week samples required in the above table, the permittee shall collect a 24-hour flow proportioned composite sample for these parameters on each day when there is a discharge through station 604. The results of these samples shall be reported along with the results of the regularly scheduled samples and will be used in the calculation of average weekly and average monthly concentrations. If the 24-hour sampling period spans two days, the results shall be reported on the second day.

- The following annual daily loading limits apply to the discharge through station 1PK00005003:

Total suspended solids	454 kg/day
CBOD5	341 kg/day

The annual daily loading shall be calculated as follows:

Flow (MGD) x Concentration (mg/l) x 3.7853 = annual daily loading (kg/day), where

Flow = annual average daily flow at station 1PK00005003 for the preceding calendar year

Concentration = annual average daily concentration at station 1PK00005003 for the preceding calendar year.

The permittee shall calculate the annual daily loadings for total suspended solids and CBOD5 and report them, in writing, to the Ohio EPA Southwest District Office not later than January 31 of each calendar year beginning in 2011.

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

6. During the period beginning on the effective date of this permit and lasting until 36 months from the effective date of this permit, the permittee shall comply with with the following provisions and monitoring requirements from the following outfall: 1PK00005603. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Internal Monitoring Station - 603 - Initial

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			
50050 - Flow Rate - MGD	-	-	-	-	-	-	-	When Disch.	Total	All
80998 - Bypass Occurrence, Number per month - No./Month	-	-	-	-	-	-	-	When Disch.	Total	All
82517 - Duration of Discharge - Hours	-	-	-	-	-	-	-	When Disch.	Total	All

NOTES for Station Number 1PK00005603:

- Treatment plant bypass is prohibited except under emergency conditions as authorized by federal regulation at 40 CFR 122.41(m) and Part III, Item 11, General Conditions, of this permit.

- Data for the number of occurrence(s) per day, the daily duration, and the total daily flow may be estimated.

- Flow rate, bypass occurrence, and duration of discharge shall be monitored and reported on each day there is a discharge through station 1PK00005603.

- If there are no bypass discharges during the entire month, report "AL" in the first column of the first day of the month on the 4500 (Monthly Operating Report). A signature is still required.

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

7. During the period beginning 36 months from the effective date of this permit and lasting until 59 months from the effective date of this permit, the permittee shall comply with with the following provisions and monitoring requirements from the following outfall: 1PK00005604. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Internal Monitoring Station - 604 - Interim

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	-	-	-	-	-	-	-	When Disch.	Grab	All
00610 - Nitrogen, Ammonia (NH3) - mg/l	-	-	-	-	-	-	-	When Disch.	Grab	All
50050 - Flow Rate - MGD	-	-	-	-	-	-	-	When Disch.	Total	All
80082 - CBOD 5 day - mg/l	-	-	-	-	-	-	-	When Disch.	Grab	All
80998 - Bypass Occurrence, Number per month - No./Month	-	-	-	-	-	-	-	When Disch.	Total	All
82517 - Duration of Discharge - Hours	-	-	-	-	-	-	-	When Disch.	Total	All

NOTES for Station Number 1PK00005604:

Diversions of flow through station 1PK00005604 are bypasses that are prohibited except under conditions as authorized by 40 CFR 122.41(m) and Part III, Item 11 of this permit. The permittee shall utilize the high rate treatment unit (HRTU) in accordance with the following provisions to minimize the adverse effects of a discharge:

- At times when a bypass through station 1PK00005604 is initialized, the secondary treatment and tertiary sand filtration unit processes shall be fully utilized.
- The permittee shall operate the HRTU in accordance with a Standard Plan of Operation that incorporates the unit's minimum operational requirements, the balancing of flows between secondary/tertiary treatment and the HRTU, the manufacturer's design and operational recommendations, and best engineering judgment.
- The wastewater treatment plant shall always be operated and maintained to maximize the treatment of wet weather flows that are discharged through station 1PK00005001 and to minimize the discharge through station 1PK00005604.
- Total suspended solids, ammonia-nitrogen, flow rate, CBOD5, bypass occurrence, and duration of discharge shall be monitored and reported on each day there is a discharge through station 1PK00005604.
- If there are no bypass discharges during the entire month, report "AL" in the first column of the first day of the month on the 4500 (Monthly

Operating Report). A signature is still required.

- See Part II, Item X.

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

8. During the period beginning 59 months from the effective date of this permit and lasting until the expiration date, the permittee shall comply with with the following provisions and monitoring requirements from the following outfall: 1PK00005604. 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
00530 - Total Suspended Solids - mg/l	-	-	-	-	-	-	-	When Disch.	Grab	All
00610 - Nitrogen, Ammonia (NH3) - mg/l	-	-	-	-	-	-	-	When Disch.	Grab	All
50050 - Flow Rate - MGD	-	-	-	-	-	-	-	When Disch.	Total	All
80082 - CBOD 5 day - mg/l	-	-	-	-	-	-	-	When Disch.	Grab	All
80998 - Bypass Occurrence, Number per month - No./Month	-	-	-	-	-	-	-	When Disch.	Total	All
82517 - Duration of Discharge - Hours	-	-	-	-	-	-	-	When Disch.	Total	All

NOTES for Station Number 1PK00005604:

Diversions of flow through station 1PK00005604 are bypasses that are prohibited except under conditions as authorized by 40 CFR 122.41(m) and Part III, Item 11 of this permit. In any event, bypass should not occur when the flow rate in the treatment plant at the time of bypass is less than 18 MGD. The permittee shall utilize the high rate treatment unit (HRTU) in accordance with the following provisions to minimize the adverse effects of a discharge:

- At times when a bypass through station 1PK00005604 is initialized, the secondary treatment and tertiary sand filtration unit processes shall be fully utilized.
- The permittee shall operate the HRTU in accordance with a Standard Plan of Operation that incorporates the unit's minimum operational requirements, the balancing of flows between secondary/tertiary treatment and the HRTU, the manufacturer's design and operational recommendations, and best engineering judgment.
- The wastewater treatment plant shall always be operated and maintained to maximize the treatment of wet weather flows that are discharged through station 1PK00005001 and to minimize the discharge through station 1PK00005604.
- Total suspended solids, ammonia-nitrogen, flow rate, CBOD5, bypass occurrence, and duration of discharge shall be monitored and reported on each day there is a discharge through station 1PK00005604.

- If there are no bypass discharges during the entire month, report "AL" in the first column of the first day of the month on the 4500 (Monthly Operating Report). A signature is still required.

- See Part II, Item X.

Part I, B. - DOWNSTREAM-FARFIELD MONITORING REQUIREMENTS

2. Downstream-Farfield Monitoring. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee shall monitor the receiving stream, downstream of the point of discharge, at Station Number 1PK00005903, and report to the Ohio EPA in accordance with the following table. See Part II, OTHER REQUIREMENTS, for location of sampling.

Table - Downstream-Farfield Monitoring - 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				
61438 - 7-Day Chronic Toxicity Ceriodaphnia dubia - % Affected	-	-	-	-	-	-	-	2/Year	Grab	Semi-annual

NOTES for Station Number 1PK00005903:

- Whole effluent toxicity - See Part II, Item T.
- Semi-annual monitoring shall be conducted during June and December.

Part I, B. - DOWNSTREAM-FARFIELD MONITORING REQUIREMENTS

1. Downstream-Farfield Monitoring. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee shall monitor the receiving stream, downstream of the point of discharge, at Station Number 1PK00005901, and report to the Ohio EPA in accordance with the following table. See Part II, OTHER REQUIREMENTS, for location of sampling.

Table - Downstream-Farfield Monitoring - 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/Month	Grab	All
00300 - Dissolved Oxygen - mg/l	-	-	-	-	-	-	-	1/Month	Grab	All
00400 - pH - S.U.	-	-	-	-	-	-	-	1/Month	Grab	All
00610 - Nitrogen, Ammonia (NH3) - mg/l	-	-	-	-	-	-	-	1/Month	Grab	All
00630 - Nitrite Plus Nitrate, Total - mg/l	-	-	-	-	-	-	-	1/Month	Grab	All
00665 - Phosphorus, Total (P) - mg/l	-	-	-	-	-	-	-	1/Month	Grab	All
00720 - Cyanide, Total - mg/l	-	-	-	-	-	-	-	1/Month	Grab	All
00900 - Hardness, Total (CaCO3) - mg/l	-	-	-	-	-	-	-	1/Month	Grab	All
01074 - Nickel, Total Recoverable - ug/l	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
01079 - Silver, Total Recoverable - ug/l	-	-	-	-	-	-	-	1/Month	Grab	All
01094 - Zinc, Total Recoverable - ug/l	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
01113 - Cadmium, Total Recoverable - ug/l	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
01114 - Lead, Total Recoverable - ug/l	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
01118 - Chromium, Total Recoverable - ug/l	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
01119 - Copper, Total Recoverable - ug/l	-	-	-	-	-	-	-	1/Month	Grab	All
01220 - Chromium, Dissolved Hexavalent - ug/l	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
31616 - Fecal Coliform - #/100 ml	-	-	-	-	-	-	-	1/Month	Grab	Summer

NOTES for Station Number 1PK00005901:

- Nickel, silver, zinc, cadmium, lead, total chromium, copper, dissolved hexavalent chromium, and total cyanide - See Part II, Item M.

Part I, B. - SLUDGE MONITORING REQUIREMENTS

3. Sludge Monitoring. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee shall monitor the treatment works' final sludge at Station Number 1PK0000588, and report to the Ohio EPA in accordance with the following table. See Part II, OTHER REQUIREMENTS, for location of sludge sampling.

Table - Sludge Monitoring - 588 - 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			
70316 - Sludge Weight - Dry Tons	-	-	-	-	-	-	-	When Disch.	Total	All
70318 - Sludge Solids, Percent Total - %	-	-	-	-	-	-	-	When Disch.	Grab	All

NOTES for Station Number 1PK0000588:

- Monitoring is required when sludge is removed from the wastewater treatment facility and disposed of by hauling to another POTW. If no sludge is removed 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.
- Sludge weight is a calculated total for the sampling period.
- See Part II, Item P.

Part I, B. - INFLUENT MONITORING REQUIREMENTS

4. Influent Monitoring. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee shall monitor the treatment works' influent wastewater at Station Number 1PK00005601, and report to the Ohio EPA in accordance with the following table. Samples of influent used for determination of net values or percent removal must be taken the same day as those samples of effluent used for that determination. See Part II, OTHER REQUIREMENTS, for location of influent sampling.

Table - Influent Monitoring - 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	
00530 - Total Suspended Solids - mg/l	-	-	-	-	-	-	-	3/Week	Composite	All
00720 - Cyanide, Total - mg/l	-	-	-	-	-	-	-	1/Month	Grab	All
01074 - Nickel, Total Recoverable - ug/l	-	-	-	-	-	-	-	1/Quarter	Composite	Quarterly
01079 - Silver, Total Recoverable - ug/l	-	-	-	-	-	-	-	1/Month	Composite	All
01094 - Zinc, Total Recoverable - ug/l	-	-	-	-	-	-	-	1/Quarter	Composite	Quarterly
01113 - Cadmium, Total Recoverable - ug/l	-	-	-	-	-	-	-	1/Quarter	Composite	Quarterly
01114 - Lead, Total Recoverable - ug/l	-	-	-	-	-	-	-	1/Quarter	Composite	Quarterly
01118 - Chromium, Total Recoverable - ug/l	-	-	-	-	-	-	-	1/Quarter	Composite	Quarterly
01119 - Copper, Total Recoverable - ug/l	-	-	-	-	-	-	-	1/Month	Composite	All
01220 - Chromium, Dissolved Hexavalent - ug/l	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
50092 - Mercury, Total (Low Level) - ng/l	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
61941 - pH, Maximum - S.U.	-	-	-	-	-	-	-	1/Day	Grab	All
61942 - pH, Minimum - S.U.	-	-	-	-	-	-	-	1/Day	Grab	All
80082 - CBOD 5 day - mg/l	-	-	-	-	-	-	-	3/Week	Composite	All

NOTES for Station Number 1PK00005601:

- Nickel, zinc, cadmium, lead, total chromium, copper, and silver - See Part II, Item M.
- Dissolved hexavalent chromium and total cyanide - See Part II, Item O.
- Mercury - See Part II, Items O and W.

Part I, B. - UPSTREAM MONITORING REQUIREMENTS

5. Upstream Monitoring. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee shall monitor the receiving stream, upstream of the point of discharge at Station Number 1PK00005801, 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			
00010 - Water Temperature - C	-	-	-	-	-	-	-	1/Month	Grab	All
00300 - Dissolved Oxygen - mg/l	-	-	-	-	-	-	-	1/Month	Grab	All
00400 - pH - S.U.	-	-	-	-	-	-	-	1/Month	Grab	All
00610 - Nitrogen, Ammonia (NH3) - mg/l	-	-	-	-	-	-	-	1/Month	Grab	All
00630 - Nitrite Plus Nitrate, Total - mg/l	-	-	-	-	-	-	-	1/Month	Grab	All
00665 - Phosphorus, Total (P) - mg/l	-	-	-	-	-	-	-	1/Month	Grab	All
31616 - Fecal Coliform - #/100 ml	-	-	-	-	-	-	-	1/Month	Grab	Summer
61432 - 48-Hr. Acute Toxicity Ceriodaphnia dubia - % Affected	-	-	-	-	-	-	-	2/Year	Grab	Semi-annual
61438 - 7-Day Chronic Toxicity Ceriodaphnia dubia - % Affected	-	-	-	-	-	-	-	2/Year	Grab	Semi-annual

NOTES for Station Number 1PK00005801:

- Whole effluent toxicity - See Part II, Item T.
- Semi-annual monitoring shall be conducted during June and December.

Part I, C - Schedule of Compliance

A. Operator Certification Schedule

The permittee shall have a full time Class IV state certified operator in responsible charge, as required by 3745-7-02 of the Ohio Administrative Code, as soon as possible, but no later than 59 months from the effective date of this permit.

B. Schedule for Wet Weather Operations Plan

Not later than January 31, 2008, the permittee shall submit a Standard Plan of Operation to Ohio EPA, Division of Surface Water, Southwest District Office (Event Code 88899). The plan shall detail protocols for managing flow through the wastewater treatment facility and shall include:

- Precipitation, stream, river and treatment plant flow conditions that trigger operation of the high rate treatment unit (HRTU).
- Start up, high flow operation and shut down procedures for the HRTU, incorporating the manufacturer's design and operational recommendations and best engineering judgment.
- The basis of decision making for balancing flow between secondary/tertiary treatment and the HRTU.
- Monitoring and reporting procedures.

Information in the plan will be used to set operation procedures and technology-based limits for the high rate treatment unit.

The permittee shall regularly review and evaluate the adequacy of the operation plan as required by Part II, Item X of this permit. The permittee may recommend revisions to the plan as part of these reviews or at any other time warranted by new information or circumstances.

C. Municipal Pretreatment Schedule

1. The permittee shall evaluate the adequacy of local industrial user limitations to attain compliance with final table limits. Technical justification for revising local industrial user limitations to attain compliance with final table limits, along with a pretreatment program modification request, or technical justification for retaining existing local industrial user limitations shall be submitted to Ohio EPA, Central Office Pretreatment Unit, in duplicate, as soon as possible, but no later than 6 months from the effective date of this permit for all required parameters. (Event Code 52599)

Technical justification is required for silver. Technical justification is also required for cadmium, total chromium, dissolved hexavalent chromium, copper, cyanide, lead, nickel, thallium, and zinc unless screening of wastewater and sludge indicate these pollutants are not present in significant amounts. Furthermore, technical justification is required for any other pollutants where a local limit may be necessary to protect against pass through and interference.

To demonstrate technical justification for new local industrial user limits or justification for retaining existing limits, the following information must be submitted to Ohio EPA:

- a. Domestic/background and industrial pollutant contributions
 - b. Treatment plant removal efficiencies
 - c. A comparison of maximum allowable headworks loadings based on all applicable criteria. Criteria may include sludge disposal, NPDES permit limits, and interference with biological processes such as activated sludge, sludge digestion, nitrification, etc.
 - d. If revised industrial user discharge limits are proposed, the method of allocating available pollutant loads to industrial users
 - e. Supporting data, assumptions, and methodologies used in establishing the information a through d above.
2. If revisions to local industrial user limitations are determined to be necessary, no later than 4 months after the date of Ohio EPA approval of the pretreatment program modification request to revise local industrial user limitations, the permittee shall incorporate revised local industrial user limitations in all industrial user control documents

D. Municipal Pretreatment Schedule - Mercury

1. The permittee shall evaluate the adequacy of local industrial user limitations for mercury. Technical justification for revising local industrial user limitations, along with a pretreatment program modification request, or technical justification for retaining existing local industrial user limitations shall be submitted to Ohio EPA. If screening of wastewater and sludge indicates that mercury is not present in significant amounts, the permittee may submit a technical justification that local industrial user limits for mercury are not currently necessary. The technical justification shall be submitted to the Central Office Pretreatment Unit, in duplicate, as soon as possible, but not later than 18 months from the effective date of this permit (Event Code 52599).

To demonstrate technical justification for new numeric local limits or justification for retaining existing numeric limits, the following information must be submitted to Ohio EPA:

- a. Domestic/background and industrial pollutant contributions. When representative sampling of the collection system or industrial pollutant contributors conducted using EPA Method 245.1 or 245.2 shows mercury concentrations that are below detection, EPA Method 1631 shall be used to quantify domestic/background and industrial pollutant contributions of mercury.
- b. Treatment plant removal efficiencies. When representative sampling of the influent or effluent conducted using EPA Method 245.1 or 245.2 shows mercury concentrations that are below detection, EPA Method 1631 shall be used to quantify influent and effluent mercury concentrations.
- c. A comparison of maximum allowable headworks loadings based on all applicable criteria. Criteria may include sludge disposal, NPDES permit limits, and interference with biological processes such as activated sludge, sludge digestion, nitrification, etc.
- d. If revised industrial user discharge limits are proposed, the method of allocating available pollutant loads to industrial users. When appropriate, revised industrial user discharge limits may include narrative local limits requiring industrial users to develop and implement best management practices for mercury. These narrative local limits may be used either alone or as a supplement to a numeric limit.
- e. Supporting data, assumptions, and methodologies used in establishing the information a through d above.

To demonstrate technical justification that local limits for mercury are not currently necessary, the permittee shall submit effluent and sludge data showing that mercury is not present in significant amounts. The data shall be accompanied by an evaluation supporting the determination that local limits for mercury are not currently necessary.

2. If revisions to local industrial user limitations for mercury are determined to be necessary, no later than 4 months after the date of Ohio EPA approval of the pretreatment program modification request to revise local industrial user limitations, the permittee shall incorporate revised local industrial user limitations in all industrial user control documents.

E. Silver Schedule

The permittee shall take appropriate actions through its industrial pretreatment program to control the headworks loading of silver to the extent necessary to comply with the final effluent limits included in this NPDES permit.

1. Beginning in the year 2006 and continuing until the year 2009, the permittee shall submit an annual status report on its actions to achieve compliance with the final effluent limits for silver at station number 1PK00005001. The report shall be submitted as part of the permittee's annual pretreatment report, which is due on April 15 of each year.
2. Not later than 59 months from the effective date of this permit, the permittee shall comply with the final effluent limits for silver at station number 1PK00005001. (Event Code 05699)
3. The permittee shall notify the Ohio EPA Southwest District Office in writing within 14 days of achieving compliance with the final effluent limit for silver at station number 1PK00005001.

Part II, Other Requirements

A. The wastewater treatment works must be under supervision of a Class IV State certified operator as required by rule 3745-7- 02 of the Ohio Administrative Code.

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

Sampling Station	Description of Location
1PK00005001	Effluent after tertiary treatment (Lat: 39 N 13 ' 25 "; Long: 84 W 19 ' 38 ")
1PK00005002	Final effluent combined (36 months - 59 months from effective date of the permit) (Lat: 39 N 13 ' 25 "; Long: 84 W 19 ' 38 ")
1PK00005003	Final effluent combined (Beginning 59 months from effective date of the permit) (Lat: 39 N 13 ' 25 "; Long: 84 W 19 ' 38 ")
1PK00005588	Sludge
1PK00005601	Influent
1PK00005603	Internal treatment bypass (From effective date - 36 months from effective date of the permit)
1PK00005604	High Rate Treatment effluent (Beginning 36 months from effective date of the permit)
1PK00005801	Upstream
1PK00005901	Downstream - approximately 175 feet from final outfall
1PK00005903	Far-field biomonitoring station - a point located midplume, or if a plume no longer exists, approximately 150 feet down current of final outfall in a fairly well mixed zone as delineated by an appropriate mixing zone evaluation

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. Composite samples shall be comprised of a series of grab samples collected over a 24-hour period and proportionate in volume to the sewage 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.

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

F. Multiple grab samples shall be comprised of at least three grab samples collected at intervals of at least three hours during the period that the plant is staffed on each day for sampling. Samples shall be collected at such times and locations, and in such fashion, as to be representative of the facility's overall performance. The critical value shall be reported.

G. Effluent disinfection is not directly required, however, the entity is required to meet all applicable discharge permit limits. If disinfection facilities exist, they shall be maintained in an operable condition. Any design of wastewater treatment facilities should provide for the capability to install disinfection if required at a future time. Disinfection may be required if future bacteriological studies or emergency conditions indicate the need.

H. The treatment works must obtain at least 85 percent removal of carbonaceous biochemical oxygen demand (five-day) and suspended solids at station 1PK00005001 (see Part III, Item 1).

I. 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).

J. If for any reason after construction of the expanded/upgraded treatment plant, the facility must use chlorine for disinfection, it must contact the Ohio EPA District Office, Division of Surface Water for the appropriate requirements and limitations. The permittee must state, at such time:

1. For what reason chlorine will be used for disinfection (i.e. equipment breakdown, maintenance, etc.).
2. For what length of time will it be used.

K. POTWs that accept hazardous wastes by truck, rail, or dedicated pipeline are considered to be hazardous waste treatment, storage, and disposal facilities (TSDFs) and are subject to regulation under the Resource Conservation and Recovery Act (RCRA). Under the "permit-by-rule" regulation found at 40 CFR 270.60(c), a POTW must:

- 1) comply with all conditions of its NPDES permit,
- 2) obtain a RCRA ID number and comply with certain manifest and reporting requirements under RCRA,
- 3) satisfy corrective action requirements, and
- 4) meet all federal, state, and local pretreatment requirements.

L. Final permit limitations based on preliminary or approved waste load allocations are subject to change based on modifications to or finalization of the allocation or report or changes to Water Quality Standards. Monitoring requirements and/or special conditions of this permit are subject to change based on regulatory or policy changes.

- M. Sampling for these parameters at stations 1PK00005001, 1PK00005002, 1PK00005003, 1PK00005601, 1PK00005801, and 1PK00005901 shall occur the same day.
- N. Sampling at station 1PK00005001 for these parameters shall occur one detention time (the time it takes for a volume of water to travel through the treatment plant) after sampling at station 1PK00005601 for the same parameters on the same day.
- O. Sampling at station 1PK00005601 for these parameters shall occur one detention time (the time it takes for a volume of water to travel through the treatment plant) prior to sampling at station 1PK00005001 for the same parameters on the same day.
- P. Not later than February 19 of each calendar year, the permittee shall submit two (2) copies of a report summarizing the sludge disposal and/or reuse activities of the facility during the previous year. One copy of the report shall be sent to the Ohio EPA, Division of Surface Water, Central Office, and one copy of the report shall be sent to the appropriate Ohio EPA District Office. This report shall address:
- 1) Amount of sludge disposed of/reused in dry tons.
 - 2) Method(s) of disposal/reuse.
 - 3) Summary of all analyses made on the sludge, including any priority pollutant scans that may have been performed. (If a priority pollutant scan has been conducted as a part of the pretreatment program, the most recent analysis should be submitted.)
 - 4) Problems encountered including any complaints received. The cause or reason for the problem and corrective actions taken to solve the problem should also be included. Any incidents of interference with the method of sludge disposal shall be identified, along with the cause of interference (i.e., excessive metals concentration, contaminated sludge, etc.) and the corrective actions taken.
- Q. It is understood by Ohio EPA that at the time permit 1PK00005*ID 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 17th edition of Standard Methods until U.S. EPA promulgates a method for analyzing free cyanide under 40 CFR 136.
- R. Beginning upon initiation of operation of the high rate treatment facility, the wastewater treatment plant shall always be operated and maintained to maximize the treatment of wet weather flows that are discharged through station 1PK00005001 and to minimize the discharge through station 1PK00005604.
- S. The permittee shall maintain in good working order and operate as efficiently as possible the "treatment works" and "sewerage system" as defined in ORC 6111.01 to achieve compliance with the terms and conditions of this permit and to prevent discharges to the waters of the state, surface of the ground, basements, homes, buildings, etc.

T. Biomonitoring Program Requirements

As soon as possible but not later than three months after the effective date of this permit, the entity shall initiate an effluent biomonitoring program to determine the toxicity of the effluent from outfall 1PK00005001.

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, July 1998 (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. Chronic Bioassays

The permittee shall conduct semi-annual chronic toxicity tests using *Ceriodaphnia dubia* on effluent samples from outfall 1PK00005001. These tests shall be conducted as specified in Section 3 of the biomonitoring guidance.

2. Acute Bioassays

Acute endpoints, as described in Section 2.H. of the biomonitoring guidance, shall be derived from the chronic test.

3. Testing of Ambient Water

In conjunction with the chronic toxicity tests, upstream control water shall be collected at a point outside the zone of effluent and receiving water interaction at station 1PK00005801. In conjunction with chronic toxicity tests, downstream receiving water shall be tested for chronic toxicity at station 1PK00005903 (a point located midplume, or if a plume no longer exists, approximately 150 feet down current of the final outfall in a fairly well mixed zone as delineated by an appropriate mixing zone evaluation). Testing of ambient waters shall be done in accordance with Section 3 of the biomonitoring guidance.

4. Data Review

a. Reporting

Following completion of each semi-annual bioassay requirement, the permittee shall report results of the tests in accordance with Sections 2.H.1., 2.H.2.a., 3.H.1., and 3.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, require a toxicity reduction evaluation, and/or contain whole effluent toxicity limits.

b. Definitions

TU_a = Acute Toxicity Units = 100/LC50

TU_c = Chronic Toxicity Units = 100/IC25

This equation for chronic toxicity units applies outside the mixing zone for warmwater, modified warmwater, exceptional warmwater, coldwater, and seasonal salmonid use designations except when the following equation is more restrictive (*Ceriodaphnia dubia* only):

TU_c = Chronic Toxic Units = 100/square root of (NOEC x LOEC)

U. Pretreatment Program Requirements

The permittee's approved pretreatment program and subsequent modifications listed below, including conditions of such approvals, shall be an enforceable term and condition of this permit.

Description of Modification	Date of Approval
Local Limits	09/21/93, 07/10/96
Enforcement Management System	07/23/91, 05/13/94, 01/24/01
Permits	11/27/91
Ordinance	07/23/91, 01/24/01
Significant Industrial User List	09/30/91, 05/05/92

To ensure that the approved program is implemented in accordance with 40 CFR 403 and Chapter 6111 of the Ohio Revised Code, the permittee shall comply with the following conditions:

1. Legal Authority

The permittee shall adopt and maintain legal authority which enables it to fully implement and enforce all aspects of its approved pretreatment program including the identification and characterization of industrial sources, issuance of control documents, compliance monitoring and reporting, and enforcement.

2. Industrial User Inventory

The permittee shall identify all industrial users subject to pretreatment standards and requirements and characterize the nature and volume of pollutants in their wastewater. Dischargers determined to be Significant Industrial Users according to OAC 3745-3-01(CC) must be notified of applicable pretreatment standards and requirements within 30 days of making such a determination. This inventory shall be updated at a frequency to ensure proper identification and characterization of industrial users.

3. Local Limits

The permittee shall develop and enforce technically based local limits to prevent the introduction of pollutants into the POTW which will interfere with the operation of the POTW, pass through the treatment works, be incompatible with the treatment works, or limit wastewater or sludge use options.

The permittee shall use the following water quality based values when evaluating local limits for the following pollutants, which do not have discharge limitations:

Cadmium 4.6 ug/l
Chromium, hexavalent 11 ug/l
Chromium, total 103 ug/l
Copper 18 ug/l
Cyanide 12 ug/l
Lead 18 ug/l
Mercury 0.012 ug/l
Nickel 100 ug/l
Thallium 16 ug/l
Zinc 230 ug/l

For the purpose of periodically reevaluating local limits, the permittee shall implement and maintain a sampling program to characterize pollutant contribution to the POTW from industrial and residential sources and to determine pollutant removal rates through the POTW. The permittee shall continue to review and develop local limits as necessary.

4. Control Mechanisms

The permittee shall issue individual control mechanisms to all industries determined to be Significant Industrial Users as defined in OAC 3745-3-01(CC). Control mechanisms must meet at least the minimum requirements of OAC-3745-3-03(C)(1)(c).

5. Industrial Compliance Monitoring

The permittee shall sample and inspect industrial users in accordance with the approved program. However, monitoring frequencies must be adequate to determine the compliance status of industrial users independent of information submitted by such users. Sample collection, preservation and analysis must be performed in accordance with procedures in 40 CFR 136 and with sufficient care to produce evidence admissible in judicial enforcement proceedings.

The permittee shall also require, receive, and review self-monitoring and other industrial user reports when necessary to determine compliance with pretreatment standards and requirements.

6. POTW Priority Pollutant Monitoring

The permittee shall annually monitor priority pollutants, as defined by U.S. EPA, in the POTW's influent, effluent and sludge. Sample collection, preservation, and analysis shall be performed using U.S. EPA approved methods.

a. A sample of the influent and the effluent shall be collected when industrial discharges are occurring at normal to maximum levels. Both samples shall be collected on the same day or, alternately, the effluent sample may be collected following the influent sample by approximately the retention time of the POTW. The samples shall be 24 hour composites except for volatile organics and cyanide which shall be collected by appropriate grab sampling techniques. Sampling of the influent shall be done prior to any recycle streams and sampling of the effluent shall be after disinfection.

Another sample shall be representative of sludge removed to final disposal. A minimum of one grab sample shall be taken during actual sludge removal and disposal unless the POTW uses more than one disposal option. If multiple disposal options are used, the POTW shall collect a composite of grab samples from all disposal practices which are proportional to the annual flows to each type of disposal.

b. A reasonable attempt shall be made to identify and quantify additional constituents (excluding priority pollutants and unsubstituted aliphatic compounds) at each sample location. Identification of additional peaks more than ten times higher than the adjacent background noise on the total ion plots (reconstructed gas chromatograms) shall be attempted through the use of U.S. EPA/NIH computerized library of mass spectra, with visual confirmation by an experienced analyst. Quantification may be based on an order of magnitude estimate compared with an internal standard.

The results of these samples must be submitted on Ohio EPA Form 4221 with the permittee's annual pretreatment report. Samples may be collected at any time during the 12 months preceding the due date of the annual report and may be used to fulfill other NPDES monitoring requirements where applicable.

7. Enforcement

The permittee shall investigate all instances of noncompliance with pretreatment standards and requirements and take timely, appropriate, and effective enforcement action to resolve the noncompliance in accordance with the permittee's approved enforcement response plan.

On or prior to February 15th of each year, the permittee shall publish, in the largest daily newspaper within the permittee's service area, a list of industrial users which, during the previous 12 months, have been in Significant Noncompliance [OAC 3745-3-03(C)(2)(g)] with applicable pretreatment standards or requirements.

8. Reporting

All reports required under this section shall be submitted to the following address in duplicate:

Ohio Environmental Protection Agency
Division of Surface Water
Pretreatment Unit
P.O. Box 1049
Columbus, OH 43266-0149

a. Quarterly Industrial User Violation Report

On or prior to the 15th day of January, April, July, and October, the permittee shall report the industrial users that are in violation of applicable pretreatment standards during the previous quarter. The report shall be prepared in accordance with guidance provided by Ohio EPA and shall include a description of all industrial user violations and corrective actions taken to resolve the violations.

b. Annual Pretreatment Report

On or prior to April 15th of each year, the permittee shall submit an annual report on the effectiveness of the pretreatment program, prepared in accordance with guidance provided by Ohio EPA. The report shall include, but not be limited to: a discussion of program effectiveness; and industrial user inventory; a description of the permittee's monitoring program; a description of any pass through or interference incidents; a copy of the annual publication of industries in Significant Noncompliance; and, priority pollutant monitoring results.

9. Record Keeping

All records of pretreatment activities including, but not limited to, industrial inventory data, monitoring results, enforcement actions, and reports submitted by industrial users must be maintained for a minimum of three (3) years. This period of retention shall be extended during the course of any unresolved litigation. Records must be made available to Ohio EPA and U.S. EPA upon request.

10. Program Modifications

Any proposed modifications of the approved pretreatment program must be submitted to the Ohio EPA for review, on forms available from Ohio EPA and consistent with guidance provided by Ohio EPA. If the modification is deemed to be substantial, prior approval must be obtained before implementation; otherwise, the modification is considered to be effective 45 days after the date of application. Substantial program modifications include, among other things, changes to the POTW's legal authority, control mechanism, local limits, confidentiality procedures, or monitoring frequencies.

V. Notwithstanding the requirements in Part III, Item 4.A of this permit, the following conditions apply to the reporting required by this NPDES permit:

Monitoring data required by this permit shall be submitted on a monthly basis both in an electronic format and as hard copy on the Ohio EPA 4500 report form pre-printed by Ohio EPA or an approved facsimile. Individual reports, both electronic and hard copy, for each sampling station for each month are to be received no later than the 25th day of the month following the month of interest. For hard copy submission, the original report form must be signed and mailed to: Ohio Environmental Protection Agency; Division of Surface Water; Compliance Supervisor; 401 E. Fifth St.; Dayton, OH, 45402-2911.

W. The permittee shall use EPA Method 1631 promulgated under 40 CFR 136 to comply with the mercury monitoring requirements of this permit. The method detection level for Method 1631 is 0.2 ng/l. The quantification level is 1.0 ng/l.

X. Beginning in 2009, the permittee shall submit an evaluation of its Standard Plan of Operation not later than February 19 of each calendar year. The operation plan details protocols for managing flow through the wastewater treatment facility, including: conditions that trigger operation of the high rate treatment unit (HRTU); start up, high flow operation and shut down procedures for the HRTU; the basis of decision making for balancing flow between secondary/tertiary treatment and the HRTU; and monitoring and reporting procedures.

The evaluation shall examine the adequacy of the operation plan, including any implementation problems encountered. The evaluation shall include revisions to the plan that are warranted based on operational experience, new information or new circumstances.

One copy of the evaluation shall be sent to the Ohio EPA Southwest District Office. A second copy shall be sent to Ohio EPA, Division of Surface Water, NPDES Permit Unit, P.O. Box 1049, Columbus, OH, 43216-1049.

PART III - GENERAL CONDITIONS

1. DEFINITIONS

"Daily discharge" means the discharge of a pollutant measured during a calendar day or any 24-hour period that reasonably represents the calendar day for purposes of sampling. For pollutants with limitations expressed in units of mass, the "daily discharge" is calculated as the total mass of the pollutant discharged over the day. For pollutants with limitations expressed in other units of measurement, the "daily discharge" is calculated as the average measurement of the pollutant over the day.

"Average weekly" discharge limitation means the highest allowable average of "daily discharges" over a calendar week, calculated as the sum of all "daily discharges" measured during a calendar week divided by the number of "daily discharges" measured during that week. Each of the following 7-day periods is defined as a calendar week: Week 1 is Days 1 - 7 of the month; Week 2 is Days 8 - 14; Week 3 is Days 15 - 21; and Week 4 is Days 22 - 28. If the "daily discharge" on days 29, 30 or 31 exceeds the "average weekly" discharge limitation, Ohio EPA may elect to evaluate the last 7 days of the month as Week 4 instead of Days 22 - 28. Compliance with fecal coliform bacteria or E coli bacteria limitations shall be determined using the geometric mean.

"Average monthly" discharge limitation means the highest allowable average of "daily discharges" over a calendar month, calculated as the sum of all "daily discharges" measured during a calendar month divided by the number of "daily discharges" measured during that month. Compliance with fecal coliform bacteria or E coli bacteria limitations shall be determined using the geometric mean.

"85 percent removal" means the arithmetic mean of the values for effluent samples collected in a period of 30 consecutive days shall not exceed 15 percent of the arithmetic mean of the values for influent samples collected at approximately the same times during the same period.

"Absolute Limitations" Compliance with limitations having descriptions of "shall not be less than," "not greater than," "shall not exceed," "minimum," or "maximum" shall be determined from any single value for effluent samples and/or measurements collected.

"Net concentration" shall mean the difference between the concentration of a given substance in a sample taken of the discharge and the concentration of the same substances in a sample taken at the intake which supplies water to the given process. For the purpose of this definition, samples that are taken to determine the net concentration shall always be 24-hour composite samples made up of at least six increments taken at regular intervals throughout the plant day.

"Net Load" shall mean the difference between the load of a given substance as calculated from a sample taken of the discharge and the load of the same substance in a sample taken at the intake which supplies water to given process. For purposes of this definition, samples that are taken to determine the net loading shall always be 24-hour composite samples made up of at least six increments taken at regular intervals throughout the plant day.

"MGD" means million gallons per day.

"mg/l" means milligrams per liter.

"ug/l" means micrograms per liter.

"ng/l" means nanograms per liter.

"S.U." means standard pH unit.

"kg/day" means kilograms per day.

"Reporting Code" is a five digit number used by the Ohio EPA in processing reported data. The reporting code does not imply the type of analysis used nor the sampling techniques employed.

"Quarterly (1/Quarter) sampling frequency" means the sampling shall be done in the months of March, June, August, and December, unless specifically identified otherwise in the Effluent Limitations and Monitoring Requirements table.

"Yearly (1/Year) sampling frequency" means the sampling shall be done in the month of September, unless specifically identified otherwise in the effluent limitations and monitoring requirements table.

"Semi-annual (2/Year) sampling frequency" means the sampling shall be done during the months of June and December, unless specifically identified otherwise.

"Winter" shall be considered to be the period from November 1 through April 30.

"Bypass" means the intentional diversion of waste streams from any portion of the treatment facility.

"Summer" shall be considered to be the period from May 1 through October 31.

"Severe property damage" means substantial physical damage to property, damage to the treatment facilities which would cause them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.

"Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with technology based permit effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.

2. GENERAL EFFLUENT LIMITATIONS

The effluent shall, at all times, be free of substances:

- A. In amounts that will settle to form putrescent, or otherwise objectionable, sludge deposits; or that will adversely affect aquatic life or water fowl;
- B. Of an oily, greasy, or surface-active nature, and of other floating debris, in amounts that will form noticeable accumulations of scum, foam or sheen;
- C. In amounts that will alter the natural color or odor of the receiving water to such degree as to create a nuisance;
- D. In amounts that either singly or in combination with other substances are toxic to human, animal, or aquatic life;
- E. In amounts that are conducive to the growth of aquatic weeds or algae to the extent that such growths become inimical to more desirable forms of aquatic life, or create conditions that are unsightly, or constitute a nuisance in any other fashion;
- F. In amounts that will impair designated instream or downstream water uses.

3. FACILITY OPERATION AND QUALITY CONTROL

All wastewater treatment works shall be operated in a manner consistent with the following:

- A. At all times, the permittee shall maintain in good working order and operate as efficiently as possible all treatment or control facilities or systems installed or used by the permittee necessary to achieve compliance with the terms and conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems which are installed by a permittee only when the operation is necessary to achieve compliance with conditions of the permit.
- B. The permittee shall effectively monitor the operation and efficiency of treatment and control facilities and the quantity and quality of the treated discharge.
- C. Maintenance of wastewater treatment works that results in degradation of effluent quality shall be scheduled during non-critical water quality periods and shall be carried out in a manner approved by Ohio EPA as specified in the Paragraph in the PART III entitled, "UNAUTHORIZED DISCHARGES".

4. REPORTING

- A. Monitoring data required by this permit may be submitted in hardcopy format on the Ohio EPA 4500 report form pre-printed by Ohio EPA or an approved facsimile. Ohio EPA 4500 report forms for each individual sampling station are to be received no later than the 15th day of the month following the month-of-interest. The original report form must be signed and mailed to:

Ohio Environmental Protection Agency
Lazarus Government Center
Division of Surface Water
Enforcement Section ES/MOR
P.O. Box 1049
Columbus, Ohio 43216-1049

Monitoring data may also be submitted electronically using Ohio EPA developed SWIMware software. Data must be transmitted to Ohio EPA via electronic mail or the bulletin board system by the 20th day of the month following the month-of-interest. A Surface Water Information Management System (SWIMS) Memorandum of Agreement (MOA) must be signed by the responsible official and submitted to Ohio EPA to receive an authorized Personal Identification Number (PIN) prior to sending data electronically. A hardcopy of the Ohio EPA 4500 form must be generated via SWIMware, signed and maintained onsite for records retention purposes.

B. If the permittee monitors any pollutant at the location(s) designated herein more frequently than required by this permit, using approved analytical methods as specified below, the results of such monitoring shall be included in the calculation and reporting of the values required in the reports specified above.

C. Analyses of pollutants not required by this permit, except as noted in the preceding paragraph, shall not be reported on Ohio EPA report form (4500) but records shall be retained as specified in the paragraph entitled "RECORDS RETENTION".

5. SAMPLING AND ANALYTICAL METHOD

Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored flow. Test procedures for the analysis of pollutants shall conform to regulation 40 CFR 136, "Test Procedures For The Analysis of Pollutants" unless other test procedures have been specified in this permit. The permittee shall periodically calibrate and perform maintenance procedures on all monitoring and analytical instrumentation at intervals to insure accuracy of measurements.

6. RECORDING OF RESULTS

For each measurement or sample taken pursuant to the requirements of this permit, the permittee shall record the following information:

- A. The exact place and date of sampling; (time of sampling not required on EPA 4500)
- B. The person(s) who performed the sampling or measurements;
- C. The date the analyses were performed on those samples;
- D. The person(s) who performed the analyses;
- E. The analytical techniques or methods used; and
- F. The results of all analyses and measurements.

7. RECORDS RETENTION

The permittee shall retain all of the following records for the wastewater treatment works for a minimum of three years, including:

- A. All sampling and analytical records (including internal sampling data not reported);
- B. All original recordings for any continuous monitoring instrumentation;
- C. All instrumentation, calibration and maintenance records;
- D. All plant operation and maintenance records;
- E. All reports required by this permit; and
- F. Records of all data used to complete the application for this permit for a period of at least three years from the date of the sample, measurement, report, or application.

These periods will be extended during the course of any unresolved litigation, or when requested by the Regional Administrator or the Ohio EPA. The three year period for retention of records shall start from the date of sample, measurement, report, or application.

8. AVAILABILITY OF REPORTS

Except for data determined by the Ohio EPA to be entitled to confidential status, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the appropriate district offices of the Ohio EPA. Both the Clean Water Act and Section 6111.05 Ohio Revised Code state that effluent data and receiving water quality data shall not be considered confidential.

9. DUTY TO PROVIDE INFORMATION

The permittee shall furnish to the Director, within a reasonable time, any information which the Director may request to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit, or to determine compliance with this permit. The permittee shall also furnish to the Director, upon request, copies of records required to be kept by this permit.

10. RIGHT OF ENTRY

The permittee shall allow the Director or an authorized representative upon presentation of credentials and other documents as may be required by law to:

- A. Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit.
- B. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit.
- C. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit.
- D. Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Clean Water Act, any substances or parameters at any location.

11. UNAUTHORIZED DISCHARGES

A. Bypassing or diverting of wastewater from the treatment works is prohibited unless:

1. Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;
2. There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of downtime. This condition is not satisfied if adequate back up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and
3. The permittee submitted notices as required under paragraph D. of this section,

B. If the permittee knows in advance of the need for a bypass, it shall submit prior notice, if possible at least ten days before the date of the bypass.

C. The Director may approve an unanticipated bypass after considering its adverse effects, if the Director determines that it has met the three conditions listed in paragraph 11.A. of this section.

D. The permittee shall submit notice of an unanticipated bypass as required in section 12. A.

E. The permittee may allow any bypass to occur which does not cause effluent limitations to be exceeded if that bypass is for essential maintenance to assure efficient operation.

12. NONCOMPLIANCE NOTIFICATION

A. The permittee shall by telephone report any of the following within twenty-four (24) hours of discovery at (toll free) 1-800-282-9378:

1. Any noncompliance which may endanger health or the environment;
2. Any unanticipated bypass which exceeds any effluent limitation in the permit; or
3. Any upset which exceeds any effluent limitation in the permit.
4. Any violation of a maximum daily discharge limitation for any of the pollutants listed by the Director in the permit.

B. For the telephone reports required by Part 12.A., the following information must be included:

1. The times at which the discharge occurred, and was discovered;
2. The approximate amount and the characteristics of the discharge;
3. The stream(s) affected by the discharge;
4. The circumstances which created the discharge;
5. The names and telephone numbers of the persons who have knowledge of these circumstances;
6. What remedial steps are being taken; and
7. The names and telephone numbers of the persons responsible for such remedial steps.

C. These telephone reports shall be confirmed in writing within five days of the discovery of the discharge and/or noncompliance and submitted to the appropriate Ohio EPA district office. The report shall include the following:

1. The limitation(s) which has been exceeded;
2. The extent of the exceedance(s);
3. The cause of the exceedance(s);
4. The period of the exceedance(s) including exact dates and times;
5. If uncorrected, the anticipated time the exceedance(s) is expected to continue, and
6. Steps being taken to reduce, eliminate, and/or prevent occurrence of the exceedance(s).

D. Compliance Schedule Events:

If the permittee is unable to meet any date for achieving an event, as specified in the schedule of compliance, the permittee shall submit a written report to the appropriate district office of the Ohio EPA within 14 days of becoming aware of such situation. The report shall include the following:

1. The compliance event which has been or will be violated;
2. The cause of the violation;
3. The remedial action being taken;
4. The probable date by which compliance will occur; and
5. The probability of complying with subsequent and final events as scheduled.

E. The permittee shall report all instances of noncompliance not reported under paragraphs A, B, or C of this section, at the time monitoring reports are submitted. The reports shall contain the information listed in paragraphs B and C of this section.

F. Where the permittee becomes aware that it failed to submit any relevant application or submitted incorrect information in a permit application or in any report to the director, it shall promptly submit such facts or information.

13. RESERVED

14. DUTY TO MITIGATE

The permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

15. AUTHORIZED DISCHARGES

All discharges authorized herein shall be consistent with the terms and conditions of this permit. The discharge of any pollutant identified in this permit more frequently than, or at a level in excess of, that authorized by this permit shall constitute a violation of the terms and conditions of this permit. Such violations may result in the imposition of civil and/or criminal penalties as provided for in Section 309 of the Act and Ohio Revised Code Sections 6111.09 and 6111.99.

16. DISCHARGE CHANGES

The following changes must be reported to the appropriate Ohio EPA district office as soon as practicable:

A. For all treatment works, any significant change in character of the discharge which the permittee knows or has reason to believe has occurred or will occur which would constitute cause for modification or revocation and reissuance. The permittee shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements. Notification of permit changes or anticipated noncompliance does not stay any permit condition.

B. For publicly owned treatment works:

1. Any proposed plant modification, addition, and/or expansion that will change the capacity or efficiency of the plant;
2. The addition of any new significant industrial discharge; and
3. Changes in the quantity or quality of the wastes from existing tributary industrial discharges which will result in significant new or increased discharges of pollutants.

C. For non-publicly owned treatment works, any proposed facility expansions, production increases, or process modifications, which will result in new, different, or increased discharges of pollutants.

Following this notice, modifications to the permit may be made to reflect any necessary changes in permit conditions, including any necessary effluent limitations for any pollutants not identified and limited herein. A determination will also be made as to whether a National Environmental Policy Act (NEPA) review will be required. Sections 6111.44 and 6111.45, Ohio Revised Code, require that plans for treatment works or improvements to such works be approved by the Director of the Ohio EPA prior to initiation of construction.

D. In addition to the reporting requirements under 40 CFR 122.41(l) and per 40 CFR 122.42(a), all existing manufacturing, commercial, mining, and silvicultural dischargers must notify the Director as soon as they know or have reason to believe:

1. That any activity has occurred or will occur which would result in the discharge on a routine or frequent basis of any toxic pollutant which is not limited in the permit. If that discharge will exceed the highest of the "notification levels" specified in 40 CFR Sections 122.42(a)(1)(i) through 122.42(a)(1)(iv).
2. That any activity has occurred or will occur which would result in any discharge, on a non-routine or infrequent basis, of a toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the "notification levels" specified in 122.42(a)(2)(i) through 122.42(a)(2)(iv).

17. TOXIC POLLUTANTS

The permittee shall comply with effluent standards or prohibitions established under Section 307 (a) of the Clean Water Act for toxic pollutants within the time provided in the regulations that establish these standards or prohibitions, even if the permit has not yet been modified to incorporate the requirement. Following establishment of such standards or prohibitions, the Director shall modify this permit and so notify the permittee.

18. PERMIT MODIFICATION OR REVOCATION

A. After notice and opportunity for a hearing, this permit may be modified or revoked, by the Ohio EPA, in whole or in part during its term for cause including, but not limited to, the following:

1. Violation of any terms or conditions of this permit;
2. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or
3. Change in any condition that requires either a temporary or permanent reduction or elimination of the permitted discharge.

B. Pursuant to rule 3745-33-04, Ohio Administrative Code, the permittee may at any time apply to the Ohio EPA for modification of any part of this permit. The filing of a request by the permittee for a permit modification or revocation does not stay any permit condition. The application for modification should be received by the appropriate Ohio EPA district office at least ninety days before the date on which it is desired that the modification become effective. The application shall be made only on forms approved by the Ohio EPA.

19. TRANSFER OF OWNERSHIP OR CONTROL

This permit may be transferred or assigned and a new owner or successor can be authorized to discharge from this facility, provided the following requirements are met:

A. The permittee shall notify the succeeding owner or successor of the existence of this permit by a letter, a copy of which shall be forwarded to the appropriate Ohio EPA district office. The copy of that letter will serve as the permittee's notice to the Director of the proposed transfer. The copy of that letter shall be received by the appropriate Ohio EPA district office sixty (60) days prior to the proposed date of transfer;

B. A written agreement containing a specific date for transfer of permit responsibility and coverage between the current and new permittee (including acknowledgement that the existing permittee is liable for violations up to that date, and that the new permittee is liable for violations from that date on) shall be submitted to the appropriate Ohio EPA district office within sixty days after receipt by the district office of the copy of the letter from the permittee to the succeeding owner;

At anytime during the sixty (60) day period between notification of the proposed transfer and the effective date of the transfer, the Director may prevent the transfer if he concludes that such transfer will jeopardize compliance with the terms and conditions of the permit. If the Director does not prevent transfer, he will modify the permit to reflect the new owner.

20. OIL AND HAZARDOUS SUBSTANCE LIABILITY

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under Section 311 of the Clean Water Act.

21. SOLIDS DISPOSAL

Collected screenings, slurries, sludges, and other solids shall be disposed of in such a manner as to prevent entry of those wastes into waters of the state. For publicly owned treatment works, these shall be disposed of in accordance with the approved Ohio EPA Sludge Management Plan.

22. CONSTRUCTION AFFECTING NAVIGABLE WATERS

This permit does not authorize or approve the construction of any onshore or offshore physical structures or facilities or the undertaking of any work in any navigable waters.

23. CIVIL AND CRIMINAL LIABILITY

Except as exempted in the permit conditions on UNAUTHORIZED DISCHARGES or UPSETS, nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance.

24. STATE LAWS AND REGULATIONS

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable state law or regulation under authority preserved by Section 510 of the Clean Water Act.

25. PROPERTY RIGHTS

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.

26. UPSET

The provisions of 40 CFR Section 122.41(n), relating to "Upset," are specifically incorporated herein by reference in their entirety. For definition of "upset," see Part III, Paragraph 1, DEFINITIONS.

27. SEVERABILITY

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

28. SIGNATORY REQUIREMENTS

All applications submitted to the Director shall be signed and certified in accordance with the requirements of 40 CFR 122.22.

All reports submitted to the Director shall be signed and certified in accordance with the requirements of 40 CFR Section 122.22.

29. OTHER INFORMATION

A. Where the permittee becomes aware that it failed to submit any relevant facts in a permit application or submitted incorrect information in a permit application or in any report to the Director, it shall promptly submit such facts or information.

B. ORC 6111.99 provides that any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit shall, upon conviction, be punished by a fine of not more than \$25,000 per violation.

C. ORC 6111.99 states that any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit including monitoring reports or reports of compliance or noncompliance shall, upon conviction, be punished by a fine of not more than \$25,000 per violation.

D. ORC 6111.99 provides that any person who violates Sections 6111.04, 6111.042, 6111.05, or division (A) of Section 6111.07 of the Revised Code shall be fined not more than \$25,000 or imprisoned not more than one year, or both.

30. NEED TO HALT OR REDUCE ACTIVITY

40 CFR 122.41(c) states that it shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with conditions of this permit.

31. APPLICABLE FEDERAL RULES

All references to 40 CFR in this permit mean the version of 40 CFR which is effective as of the effective date of this permit.

32. AVAILABILITY OF PUBLIC SEWERS

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 semi-public disposal system shall abandon the semi-public disposal system and connect it into the publicly owned treatment works.