Application No. OH0049387

Issue Date: June 1, 2001

Effective Date: July 1, 2001

Expiration Date: March 31, 2005

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),

Clermont County Board of Commissioners

is authorized by the Ohio Environmental Protection Agency, hereinafter referred to as "Ohio EPA," to discharge from the Middle East Fork Regional wastewater treatment works located at 4409 Haskell Lane, Batavia, Ohio, Clermont County to the East Fork of the Little Miami River in accordance with the conditions specified in Parts I, II, and III of this permit.

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.

_____
Christopher Jones
Director

Total Pages:

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

1. During the period beginning on the effective date of this permit and lasting until the date specified in Item D.8 of the Schedule of Compliance, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from the following outfall: 1PK00010001 . See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Final Outfall - 001 - Interim

| Effluent Characteristic | Discharge Limitations | | | | | | | Monitoring Requirements | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Concentration Specified Units | | | | Loading* kg/day | | | | | |
| Parameter | Maximum | Minimum | Weekly | Monthly | Daily | Weekly | Monthly | Measuring Frequency | Sampling Type | Monitoring Months |
| 00010 - Water Temperature - C | - | - | - | - | - | - | - | 1/Day | Maximum Indicating Thermometer | All |
| 00300 - Dissolved Oxygen - mg/l | - | 7.0 | - | - | - | - | - | 1/Day | Multiple Grab | April-Oct |
| 00300 - Dissolved Oxygen - mg/l | - | 6.0 | - | - | - | - | - | 1/Day | Multiple Grab | Nov. - March |
| 00530 - Total Suspended Solids - mg/l | - | - | 45 | 30 | - | 696 | 464 | 3/Week | Composite | Winter |
| 00530 - Total Suspended Solids - mg/l | - | - | 30 | 20 | - | 464 | 309 | 3/Week | Composite | Summer |
| 00552 - Oil and Grease, Hexane Extr Method - mg/l | 10 | - | - | - | - | - | - | 1/Month | Grab | All |
| 00610 - Nitrogen, Ammonia (NH3) - mg/l | - | - | 6.0 | 4.0 | - | 93 | 62 | 3/Week | Composite | April - June |
| 00610 - Nitrogen, Ammonia (NH3) - mg/l | - | - | 12.0 | 8.0 | - | 186 | 124 | 3/Week | Composite | Nov. - March |
| 00610 - Nitrogen, Ammonia (NH3) - mg/l | - | - | 3.0 | 2.0 | - | 46 | 31 | 3/Week | Composite | July - October |
| 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/Quarter | Grab | Quarterly |
| 01074 - Nickel, Total Recoverable - ug/l | - | - | - | - | - | - | - | 1/Quarter | Composite | Quarterly |
| 01079 - Silver, Total Recoverable - ug/l | - | - | - | - | - | - | - | 1/Quarter | Composite | Quarterly |
| 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 | Discharge Limitations | | | | | | | Monitoring Requirements | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Concentration Specified Units | | | | Loading* kg/day | | | | | |
| Parameter | Maximum | Minimum | Weekly | Monthly | Daily | Weekly | Monthly | Measuring Frequency | Sampling Type | Monitoring Months |
| 01118 - Chromium, Total Recoverable - ug/l | - | - | - | - | - | - | - | 1/Quarter | Composite | Quarterly |
| 01119 - Copper, Total Recoverable - ug/l | 38 | - | - | - | 0.59 | - | - | 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 |
| 39340 - Gamma-BHC, Total - ug/l | - | - | - | - | - | - | - | 1/2 months | Composite | Bimonthly |
| 39370 - DDT, Whole Sample - ug/l | - | - | - | - | - | - | - | 1/Quarter | Composite | Quarterly |
| 39380 - Dieldrin, Whole Sample - ug/l | - | - | - | - | - | - | - | 1/Quarter | Composite | Quarterly |
| 50050 - Flow Rate - MGD | - | - | - | - | - | - | - | 1/Day | Continuous | All |
| 50092 - Mercury, Total (Low Level) - ng/l | 1300 | - | - | 60 | 0.02 | - | 0.0009 | 1/Month | Grab | All |
| 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 | - | 356 | 232 | 3/Week | Composite | April-Oct |
| 80082 - CBOD 5 day - mg/l | - | - | 40 | 25 | - | 619 | 387 | 3/Week | Composite | Nov. - March |

NOTES for Station Number 1PK00010001:

* Effluent loadings based on average design flow of 4.08 MGD.

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

Dissolved hexavalent chromium - See Part II, Item N.

Free cyanide - See Part II, Item Q.

Mercury - See Part II, Item N, and Schedule of Compliance, Item A.

gamma-BHC - See Schedule of Compliance, Item D. Bimonthly monitoring months are January, March, May, July, September, and November.

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

2. During the period beginning on the date specified in Item D.8 of the Schedule of Compliance 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: 1PK00010001. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Final Outfall - 001 - Final

| Effluent Characteristic | Discharge Limitations | | | | | | | Monitoring Requirements | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Concentration Specified Units | | | | Loading* kg/day | | | | | |
| Parameter | Maximum | Minimum | Weekly | Monthly | Daily | Weekly | Monthly | Measuring Frequency | Sampling Type | Monitoring Months |
| 00010 - Water Temperature - C | - | - | - | - | - | - | - | 1/Day | Maximum Indicating Thermometer | All |
| 00300 - Dissolved Oxygen - mg/l | - | 7.0 | - | - | - | - | - | 1/Day | Multiple Grab | April-Oct |
| 00300 - Dissolved Oxygen - mg/l | - | 6.0 | - | - | - | - | - | 1/Day | Multiple Grab | Nov. - March |
| 00530 - Total Suspended Solids - mg/l | - | - | 45 | 30 | - | 696 | 464 | 3/Week | Composite | Winter |
| 00530 - Total Suspended Solids - mg/l | - | - | 30 | 20 | - | 464 | 309 | 3/Week | Composite | Summer |
| 00552 - Oil and Grease, Hexane Extr Method - mg/l | 10 | - | - | - | - | - | - | 1/Month | Grab | All |
| 00610 - Nitrogen, Ammonia (NH3) - mg/l | - | - | 3.0 | 2.0 | - | 46 | 31 | 3/Week | Composite | July - October |
| 00610 - Nitrogen, Ammonia (NH3) - mg/l | - | - | 6.0 | 4.0 | - | 93 | 62 | 3/Week | Composite | April - June |
| 00610 - Nitrogen, Ammonia (NH3) - mg/l | - | - | 12.0 | 8.0 | - | 186 | 124 | 3/Week | Composite | Nov. - March |
| 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/Quarter | Grab | Quarterly |
| 01074 - Nickel, Total Recoverable - ug/l | - | - | - | - | - | - | - | 1/Quarter | Composite | Quarterly |
| 01079 - Silver, Total Recoverable - ug/l | - | - | - | - | - | - | - | 1/Quarter | Composite | Quarterly |
| 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 | Discharge Limitations | | | | | | | Monitoring Requirements | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Concentration Specified Units | | | | Loading* kg/day | | | | | |
| Parameter | Maximum | Minimum | Weekly | Monthly | Daily | Weekly | Monthly | Measuring Frequency | Sampling Type | Monitoring Months |
| 01118 - Chromium, Total Recoverable - ug/l | - | - | - | - | - | - | - | 1/Quarter | Composite | Quarterly |
| 01119 - Copper, Total Recoverable - ug/l | 38 | - | - | - | 0.59 | - | - | 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 |
| 39340 - Gamma-BHC, Total - ug/l | - | - | - | 0.055 | - | - | 0.0008 | 1/2 months | Composite | Bimonthly |
| 39370 - DDT, Whole Sample - ug/l | - | - | - | - | - | - | - | 1/Quarter | Composite | Quarterly |
| 39380 - Dieldrin, Whole Sample - ug/l | - | - | - | - | - | - | - | 1/Quarter | Composite | Quarterly |
| 50050 - Flow Rate - MGD | - | - | - | - | - | - | - | 1/Day | Continuous | All |
| 50092 - Mercury, Total (Low Level) - ng/l | 1300 | - | - | 60 | 0.02 | - | 0.0009 | 1/Month | Grab | All |
| 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 | - | 356 | 232 | 3/Week | Composite | April-Oct |
| 80082 - CBOD 5 day - mg/l | - | - | 40 | 25 | - | 619 | 387 | 3/Week | Composite | Nov. - March |

NOTES for Station Number 1PK00010001:

* Effluent loadings based on average design flow of 4.08 MGD.

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

Dissolved hexavalent chromium - See Part II, Item N.

Free cyanide - See Part II, Item Q.

Mercury - See Part II, Item N, and Schedule of Compliance, Item A.

gamma-BHC - See Schedule of Compliance Item D. Bimonthly monitoring months are January, March, May, July, September, and November.

Part I, B. - DOWNSTREAM-NEARFIELD MONITORING REQUIREMENTS

5. Downstream-Nearfield 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 1PK00010901, and report to the Ohio EPA in accordance with the following table. See Part II, OTHER REQUIREMENTS, for location of sampling.

Table - Downstream-Nearfield Monitoring - Final

| Effluent Characteristic | Discharge Limitations | | | | | | | Monitoring Requirements | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Concentration Specified Units | | | | Loading* kg/day | | | | | |
| Parameter | Maximum | Minimum | Weekly | Monthly | Daily | Weekly | Monthly | Measuring Frequency | Sampling Type | Monitoring Months |
| 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 |
| 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/Quarter | Grab | Quarterly |
| 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 1PK00010901:

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

Part I, B. - BYPASS MONITORING LIMITATIONS AND MONITORING REQUIREMENTS

1. Bypass Monitoring. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee shall monitor the treatment plant's bypass when discharging, at Station Number 1PK00010005, and report to the Ohio EPA in accordance with the following table. See Part II, OTHER REQUIREMENTS, for location of sampling.

Table - Bypass Monitoring - 005 - Final

| Effluent Characteristic | Discharge Limitations | | | | | | | Monitoring Requirements | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Concentration Specified Units | | | | Loading* kg/day | | | | | |
| Parameter | Maximum | Minimum | Weekly | Monthly | Daily | Weekly | Monthly | Measuring Frequency | Sampling Type | Monitoring Months |
| 00530 - Total Suspended Solids - mg/l | - | - | - | - | - | - | - | 1/Day | Grab | All |
| 50050 - Flow Rate - MGD | - | - | - | - | - | - | - | 1/Day | Continuous | All |
| 80082 - CBOD 5 day - mg/l | - | - | - | - | - | - | - | 1/Day | Grab | All |
| 80998 - Bypass Occurrence, Number per month - No./Month | - | - | - | - | - | - | - | When Disch. | Continuous | All |
| 80999 - Bypass Duration, Hours per month - Hr/Month | - | - | - | - | - | - | - | When Disch. | Continuous | All |

NOTES for Station Number 1PK00010005:

Treatment plant bypass is prohibited except under emergency conditions as authorized by federal regulation at 40 CFR 122.41(m) or 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.

A Monthly Operating Report (Form 4500) for this station MUST BE SUBMITTED EVERY MONTH.
If there are NO DISCHARGES DURING THE ENTIRE MONTH:
1) Report "AL" in the first column of the first day of the month on the 4500 Form.
2) Sign the form.
If there are DISCHARGES ON ONE OR MORE DAYS DURING THE MONTH:
1) Enter the data required for the days when a discharge occurred.
2) Enter "AH" (Sample Not Taken, Explanation in Remarks Section) or "AN" (Sample Not Taken, Plant Not Normally Staffed - Saturday, Sunday, Holidays) for each parameter on each day there was no discharge. Daily or 1/Day frequencies require daily entries. Monthly or 1/Month frequencies require one entry per month. For "AH", enter "No discharge" in the Remarks Section.
3) Sign the form.

The total bypass hours per month should be listed in the Remarks Section.

Part I, B. - SLUDGE MONITORING REQUIREMENTS

2. 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 1PK00010581, 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 - 581 - Final

| Effluent Characteristic | Discharge Limitations | | | | | | | Monitoring Requirements | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Concentration Specified Units | | | | Loading* kg/day | | | | | |
| Parameter | Maximum | Minimum | Weekly | Monthly | Daily | Weekly | Monthly | Measuring Frequency | Sampling Type | Monitoring Months |
| 00400 - pH - S.U. | - | - | - | - | - | - | - | 1/Month | Grab | All |
| 00611 - Ammonia (NH3) In Sludge - mg/kg | - | - | - | - | - | - | - | 1/Month | Composite | All |
| 00627 - Nitrogen Kjeldahl, Total In Sludge - mg/kg | - | - | - | - | - | - | - | 1/Month | Composite | All |
| 00668 - Phosphorus, Total In Sludge - mg/kg | - | - | - | - | - | - | - | 1/Month | Composite | All |
| 01003 - Arsenic, Total In Sludge - mg/kg | - | - | - | - | - | - | - | 1/Quarter | Composite | Quarterly |
| 01028 - Cadmium, Total In Sludge - mg/kg | - | - | - | - | - | - | - | 1/Quarter | Composite | Quarterly |
| 01029 - Chromium, Total In Sludge - mg/kg | - | - | - | - | - | - | - | 1/Quarter | Composite | Quarterly |
| 01043 - Copper, Total In Sludge - mg/kg | - | - | - | - | - | - | - | 1/Quarter | Composite | Quarterly |
| 01052 - Lead, Total In Sludge - mg/kg | - | - | - | - | - | - | - | 1/Quarter | Composite | Quarterly |
| 01068 - Nickel, Total In Sludge - mg/kg | - | - | - | - | - | - | - | 1/Quarter | Composite | Quarterly |
| 01093 - Zinc, Total In Sludge - mg/kg | - | - | - | - | - | - | - | 1/Quarter | Composite | Quarterly |
| 01148 - Selenium, Total In Sludge - mg/kg | - | - | - | - | - | - | - | 1/Quarter | Composite | Quarterly |
| 70316 - Sludge Weight - Dry Tons | - | - | - | - | - | - | - | 1/Day | Total | All |
| 70318 - Sludge Solids, Percent Total - % | - | - | - | - | - | - | - | 1/Day | Grab | All |
| 70322 - Sludge Solids, Percent Volatile - % | - | - | - | - | - | - | - | 1/Day | Grab | All |
| 71921 - Mercury, Total In Sludge - mg/kg | - | - | - | - | - | - | - | 1/Quarter | Composite | Quarterly |
| 78465 - Molybdenum In Sludge - mg/kg | - | - | - | - | - | - | - | 1/Quarter | Composite | Quarterly |

NOTES for Station Number 1PK00010581:

Monitoring is required when sludge is removed from the wastewater treatment facility and disposed of by land application at agronomic rates. If no sludge is removed during the month, leave the data area blank and enter "No sludge removed during month" in the "Additional Remarks" section (signature still required).

Units of mg/kg are on a dry weight basis.

Sludge weight is a calculated total for the sampling period.

See Part II, Items J and 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 1PK00010601, 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 | Discharge Limitations | | | | | | | Monitoring Requirements | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Concentration Specified Units | | | | Loading* kg/day | | | | | |
| Parameter | Maximum | Minimum | Weekly | Monthly | Daily | Weekly | Monthly | Measuring Frequency | Sampling Type | Monitoring Months |
| 00530 - Total Suspended Solids - mg/l | - | - | - | - | - | - | - | 3/Week | Composite | All |
| 01074 - Nickel, Total Recoverable - ug/l | - | - | - | - | - | - | - | 1/Quarter | Composite | Quarterly |
| 01079 - Silver, Total Recoverable - ug/l | - | - | - | - | - | - | - | 1/Quarter | Composite | Quarterly |
| 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 |
| 39340 - Gamma-BHC, Total - ug/l | - | - | - | - | - | - | - | 1/2 months | Composite | Bimonthly |
| 50092 - Mercury, Total (Low Level) - ng/l | - | - | - | - | - | - | - | 1/Month | Grab | All |
| 61941 - pH, Maximum - S.U. | - | - | - | - | - | - | - | 1/Month | Grab | All |
| 61942 - pH, Minimum - S.U. | - | - | - | - | - | - | - | 1/Month | Grab | All |
| 80082 - CBOD 5 day - mg/l | - | - | - | - | - | - | - | 3/Week | Composite | All |

NOTES for Station Number 1PK00010601:

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

Dissolved hexavalent chromium - See Part II, Item O.

Mercury - See Part II, Item O and Schedule of Compliance Item A.1.

gamma-BHC - See Schedule of Compliance, Item D. Bimonthly monitoring months are January, March, May, July, September, and November.

Part I, B. - UPSTREAM MONITORING REQUIREMENTS

3. 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 1PK00010801, 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 | Discharge Limitations | | | | | | | Monitoring Requirements | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Concentration Specified Units | | | | Loading* kg/day | | | | | |
| Parameter | Maximum | Minimum | Weekly | Monthly | Daily | Weekly | Monthly | Measuring Frequency | Sampling Type | Monitoring Months |
| 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 |

Part I, C - Schedule of Compliance

A. Mercury Variance Schedule

1. The permittee shall use EPA Method 1631, Revision B, 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. Because the quantification level for Method 1631, Revision B, is lower than the mercury effluent limits, it is possible to directly evaluate compliance with the limits.

2. During the period beginning on the effective of this permit and lasting until this permit is modified or renewed, an interim quantification level (QL) of 1.0 ug/l (1000 ng/l) shall apply to analytical results reported for mercury. Any analytical result reported less than the interim QL shall be considered to be in compliance with that limit.

REPORTING:

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

A. Results above the QL: Report the analytical result for mercury.

B. Results above the MDL, but below the QL: Report the analytical result, even though it is below the QL.

C. Results below the MDL: Analytical results below the method detection limit shall be reported as "below detection" using the reporting code "AA".

3. Based on an evaluation of mercury data for outfall 1PK00010001 collected using Method 1631, the permittee shall submit one of the following to Ohio EPA not later than 19 months from the effective date of this permit (Event Code 88899)

A. A letter stating that it intends to comply with the water quality based effluent limits for mercury included in the NPDES permit. In this case the permit will be modified to delete the interim quantification level; or

B. If the permittee believes that it will be able to take actions leading to compliance with the water quality based effluent limits for mercury included in this NPDES permit, it may submit a request to modify the NPDES permit to include a schedule of compliance and an interim effluent limit for mercury; or

C. If the permittee determines that compliance with the water quality based effluent limits for mercury included in this permit is not possible without the construction of expensive end-of-pipe controls, a variance from the mercury water quality standards is available under section D(10) of rule 3745-33-07. If the permittee determines it is eligible, it may submit an application for coverage under this mercury variance. Section D(10)(a) of rule 3745-33-07 includes information on eligibility for coverage and lists the information that must be included in the application; or

D. If the permittee determines that compliance with the water quality based effluent limits for mercury included in this permit is not possible, and it is not eligible for coverage under the mercury variance available at section D(10) of rule 3745-33-07, it may submit an application for an individual variance from water quality standards. Section (D)(1-3) of rule 3745-33-07 provides information on the applicability and conditions of an individual variance. Section (D)(4) of the rule lists the information that must be included in the application.

This permit may be modified to include either interim limits and a schedule of compliance or new limits and conditions if a variance is issued.

A guidance document explaining both the mercury variance and the individual variance is available. Copies of the final guidance document are available to permittees on request from Ohio EPA, Central Office, Division of Surface Water, Permits Section.

Letters or applications submitted under this item of the Schedule of Compliance shall be sent to the Division of Surface Water at the appropriate Ohio EPA District Office.

B. Municipal Pretreatment Schedule

1. The permittee shall evaluate the adequacy of local industrial user limitations to attain compliance with final table limits. A 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 submit to Ohio EPA, Central Office Pretreatment Unit, in duplicate,as soon as possible, but no later than 4 months from the effective date of this permit. (Event Code 52599)

Technical justification is required for copper and gamma-BHC. Technical justification is also required for arsenic, cadmium, chromium, cyanide, lead, nickel, silver, zinc, Dieldrin, and 4,4'-DDT 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 to comply with all applicable criteria, no later than 8 months from the effective date of this permit, the permittee shall incorporate revised local industrial user limitations in all industrial user control documents. (Event Code 52699)

C. Municipal Pretreatment Schedule - Mercury

1. The permittee shall evaluate the adequacy of local industrial user limitations for mercury. A 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, Central Office Pretreatment Unit, in duplicate, as soon as possible, but no later than 28 months from the effective date of this permit. (Event Code 52599)

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. 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.

2. If revisions to local industrial user limitations for mercury are determined to be necessary to comply with all applicable criteria, no later than 36 months after the effective date of this permit, the permittee shall incorporate revised local industrial user limitations in all industrial user control documents. (Event Code 52699)

D. gamma-BHC (Lindane) Pollutant Minimization Program Schedule

The permittee shall attain compliance with the final effluent limitations for gamma-BHC as expeditiously as practicable, but not later than the dates developed in accordance with the following schedule:

1. The permittee shall use an analytical procedure approved under 40 CFR 136 with an MDL of 0.011 ug/l or lower to comply with the gamma-BHC monitoring requirements of this permit.

2. The permittee shall conduct a Pollutant Minimization Program (PMP) for gamma-BHC. The goal of the PMP is to attain compliance with the final effluent limits in Part I.A.2 of this permit as soon as possible but not later than 42 months from the effective date of this permit.

3. Not later than 12 months from the effective date of this permit, the permittee shall submit a control strategy designed to proceed toward the goal for gamma-BHC. ( Event Code 21599) The control strategy shall include:

a. Existing information on plant processes, significant and non-significant industrial, commercial and residential users of the treatment plant, and wastestreams or sewers tributary to the treatment plant.

b. A plan-of-study for locating/identifying potential sources of gamma-BHC.

4. Monitoring requirements:

a. Beginning on the effective date of this permit, the permittee shall monitor the wastewater treatment plant influent at station 1PK00010601 for gamma-BHC as required in Part I, B.4 of this permit.

b. The permittee shall monitor potential sources of gamma-BHC twice per year by composite sample. Potential sources may include process lines, industrial, commercial and residential users, sewer lines and sediments, storm water inputs, atmospheric deposition, and groundwater (inflow and infiltration) inputs.

5. Not later than 14 months from the effective date of this permit, the permittee shall submit two copies of an annual PMP report to the Division of Surface Water along with the two copies of its annual pretreatment program report, which is due on or prior to August 15, 2002. (Event Code 21599) The annual PMP report shall include:

a. All minimization program monitoring results for the year

b. A list of potential sources of gamma-BHC

c. A summary of all actions taken to meet the effluent limits for gamma-BHC

d. Any updates of the control strategy, including actions planned to reduce the levels of gamma-BHC in the treatment plant's final effluent

6. Not later than 26 months from the effective date of this permit, the permittee shall submit two copies of an annual PMP report to the Division of Surface Water along with the two copies of its annual pretreatment program report, which is due on or prior to August 15, 2003. (Event Code 21599) The annual PMP report shall meet the requirements of 5.a - d, above.

7. Not later than 38 months from the effective date of this permit, the permittee shall submit two copies of an annual PMP report to the Division of Surface Water along with the two copies of its annual pretreatment program report, which is due on or prior to August 15, 2004. (Event Code 21599) The annual PMP report shall meet the requirements of 5.a - d, above.

8. Not later than 42 months from the effective date of this permit, the permittee shall comply with the final effluent limits for gamma-BHC in Part I.A.2 of this permit. (Event Code 05699)

9. This permit may be modified, or alternatively, revoked and reissued, to revise or remove the requirements of the PMP compliance schedule based on information collected during the PMP.

Part II, Other Requirements

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

B. The plant must be staffed and operated in accordance with the Ohio EPA approved Operation and Maintenance Manual.

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

| Sampling Station | Description of Location |
|---|---|
| 1PK00010001 | Final effluent prior to discharge to the East Fork of the Little Miami River. (Lat: 39 N 05 ' 19 "; Long: 84 W 10 ' 18 ") |
| 1PK00010005 | Plant bypass from influent chamber to the East Fork of the Little Miami River. |
| 1PK00010581 | Waste sludge prior to land application at agronomic rates. |
| 1PK00010601 | Plant influent. |
| 1PK00010801 | Upstream of plant outfall at State Route 32 bridge. |
| 1PK00010901 | One mile downstream of plant outfall. |

D. 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.

E. 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.

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

G. 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.

H. 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.

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

J. As soon as possible, but no later than six months after the effective date of this permit, the permittee shall sample, test, and submit the results of a sludge analysis for dioxin/dibenzofurans. The analysis shall be conducted on a composite, representative sample. The sample shall be representative of sludge removed to final disposal. The sample shall be a composite of at least one grab sample taken on each day which sludge is removed for final disposal over a five day period. The dioxin/dibenzofuran analysis will include:

1. Concentrations of dioxins reported as total concentration for each class 4 through 8 (class concentrations) and for all 2,3,7,8-congeners for each class 4 through 8(2,3,7,8-congener concentrations)

2. Concentrations of dibenzofurans reported as total concentration for each class 4 through 8 (class concentrations) and for all 2,3,7,8-congeners for each class 4 through 8 (2,3,7,8-congener concentrations)

The analysis shall be conducted following the procedures for Method 8290 as outlined in the most current edition of "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA Publication SW-846.

The analysis results will be reported showing individual isomer concentrations, total class concentration and a calculation of the Total Toxic Equivalence (TTE). If any individual isomer concentrations are less than the detection limit, a value of one-half (1/2) the detection level for that isomer will be used in the calculation of the TTE.

A sample analysis reporting form is available in the "Land Application of Sludge Manual"; Ohio EPA; September 28, 1998; pages 51 - 53.

The analysis results shall be submitted to: Ohio EPA; Division of Surface Water; Agriculture, Sludge and PTI Unit; Lazarus Government Center; P.O. Box 1049; Columbus, Ohio, 43216-1049.

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 station 1PK00010001, 1PK00010601, and 1PK00010901 shall occur the same day.

N. Sampling at station 1PK00010001 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 1PK00010601 for the same parameters on the same day.

O. Sampling at station 1PK00010601 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 1PK00010001 for the same parameters on the same day.

P. Not later than January 31 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 1PK00010*KD 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. 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 | 11/30/89, 07/23/90, 09/15/92, 06/29/93, 09/17/96, 05/21/97 |
| Permits | 10/4/91, 10/30/94, 09/17/96 |
| Ordinance | 10/04/91 |
| Industrial User Monitoring | 03/19/90 |
| Significant Industrial User List | 11/05/90 |
| Add/Delete POTW From Program | 01/04/95, 12/02/99 |

To ensure that the approved program is implemented in accordance with 40 CFR 403 and Chapter 6111 of the Ohio Revise 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.

For the following pollutants for which the permittee has no discharge limitation, local limits shall be developed to achieve POTW discharge levels at or below these water quality based values:

Antimony 1104 ug/l
Cadmium 12 ug/l
Chromium, hexavalent 31 ug/l
Chromium, total 537 ug/l
Cyanide 66 ug/l
Lead 43 ug/l
Molybdenum 1046 ug/l
Nickel 289 ug/l
Selenium 29 ug/l
Silver 7.1 ug/l
Zinc 320 ug/
Dieldrin 0.007 ug/l
4,4'-DDT 0.002 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 define 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 August 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 quarters ending the last day of December, March, June, and September respectively. 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 August 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.

PART III - GENERAL CONDITIONS

1. DEFINITIONS

"Daily load" is the total discharge by weight during any calendar day. If only one sample is taken during a day, the weight of pollutant discharge calculated from it is the daily load.

"Daily concentration" means the arithmetic average of all the determinations of concentration made during the day. If only one sample is taken during the day, its concentration is the daily concentration. Coliform bacteria limitations compliance shall be determined using the geometric mean.

"Weekly load" is the total discharge by weight during any 7-day period divided by the number of days in that 7-day period that the facility was in operation. If only one sample is taken in a 7-day period, the weight of pollutant discharge calculated from it is the 7-day load. If more than one sample is taken during the 7-day period, the 7-day load is calculated by determining the daily load for each day sampled, totaling the daily loads for the 7-day period, and dividing by the number of days sampled.

"Weekly concentration" means the arithmetic average of all the determinations of daily concentration limitation made during the 7-day period. If only one sample is taken during the 7-day period, its concentration is the 7-day concentration for that 7-day period. Coliform bacteria limitations compliance shall be determined using the geometric mean.

"Monthly load" is the total discharge by weight during all days in a calander month divided by the number of days that the facility was in operation during that month. If only one sample is taken during the month the weight of pollutant discharge calculated from it is the monthly load. If more than one sample is taken during the month, the monthly load is calculated by determining the daily load for each day sampled, totaling the daily loads for the month and dividing by the number of days sampled.

"Monthly concentration" means the arithmetic average of all the determinations of daily concentration made during any calender month. If only one sample is taken during the month, its concentration is the monthly concentration for that period. Coliform bacteria limitations compliance 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," "nor 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 specificially 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 specificially 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 specificially 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 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 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 nor 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

Not withstanding 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.