

Application No. OH0059552 Issue

Date: August 5, 2022

Effective Date: September 1, 2022

Expiration Date: August 31, 2027

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),

Belmont County Coal Resources, Inc. - Century Mine

is authorized by the Ohio Environmental Protection Agency, hereinafter referred to as "Ohio EPA," to discharge from the Belmont County Coal Resources, Inc. - Century Mine located at 43521 Mayhugh Hill Road, Twp. Rd. 88, Beallsville, Ohio, Belmont County and discharging to UTT Piney Creek, UTT Captina Creek, UTT Bend Fork, and Piney Creek 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.



Laurie A. Stevenson
Director

Total Pages: 60

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 end of the 59th month after the effective date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall 0IL00091002. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Final Outfall - 002 - 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			
00400 - pH - S.U.	9.0	6.5	-	-	-	-	-	1 / 2 Weeks	Grab	All
00530 - Total Suspended Solids - mg/l	70	-	-	35	-	-	-	1 / 2 Weeks	Grab	All
00900 - Hardness, Total (CaCO3) - mg/l	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
00940 - Chloride, Total - mg/l	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
00945 - Sulfate, (SO4) - mg/l	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
01045 - Iron, Total (Fe) - ug/l	6000	-	-	3000	-	-	-	1 / 2 Weeks	Grab	All
01055 - Manganese, Total (Mn) - ug/l	4000	-	-	2000	-	-	-	1 / 2 Weeks	Grab	All
01074 - Nickel, Total Recoverable - ug/l	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
50050 - Flow Rate - MGD	-	-	-	-	-	-	-	1/Day	24hr Total Estimate	All
61425 - Acute Toxicity, Ceriodaphnia dubia - TUa	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
70300 - Residue, Total Filterable - mg/l	-	-	-	-	-	-	-	1/Month	Grab	All

Notes for Station Number 0IL00091002:

a. The Monitoring and sampling shall be performed as required in the above table when the pond associated with outfall 0IL00091002 is receiving water pumped from the mine works or received water pumped from the mine works within the previous 90 days. If no water pumped from the mine works has been directed towards 0IL00091002 within the previous 90 days, enter no discharge for the month.

b. Monitoring and sampling shall be performed as required in the above table. If no sample is collected or data is not reported, see Part II, Item N for the appropriate instructions and codes to use on the monthly eDMR.

c. Grab Samples - See Part II, Item E .

- d. Only one of the two ponds associated with outfalls 002 and 011 are anticipated to receive water pumped from the mine works at any given time. The wasteload allocations are based on a flow of 0.216 MGD distributed between outfall 002 and 011. In the event that both 002 and 011 receive water pumped from the mine works at a cumulative flow value significantly above 0.216 MGD, notification shall be provided to Ohio EPA's Southeast District Office in accordance with Part III, Item 16 (A-C) as applicable.
- e. Samples taken in compliance with effluent monitoring requirements shall be collected following treatment if provided and prior to entering receiving streams.
- f. Quarterly samples shall be taken in March, June, August and December. Samples may be collected in any month of the quarter.
- g. See Part II, Item L for Pond Maintenance.
- h. See Part II, Item M for Whole Effluent Toxicity.
- i. See Part II, Item F for Storm Water.

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

2. During the period beginning 59 months after the effective date and lasting until the expiration date , the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall 0IL00091002. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Final Outfall - 002 - Final

Effluent Characteristic Parameter	Discharge Limitations						Monitoring Requirements			
	Concentration Specified Units		Loading* kg/day			Measuring Frequency	Sampling Type	Monitoring Months		
	Maximum	Minimum	Weekly	Monthly	Daily	Weekly	Monthly			
00400 - pH - S.U.	9.0	6.5	-	-	-	-	-	1 / 2 Weeks	Grab	All
00530 - Total Suspended Solids - mg/l	70	-	-	35	-	-	-	1 / 2 Weeks	Grab	All
00900 - Hardness, Total (CaCO3) - mg/l	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
00940 - Chloride, Total - mg/l	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
00945 - Sulfate, (SO4) - mg/l	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
01045 - Iron, Total (Fe) - ug/l	6000	-	-	3000	-	-	-	1 / 2 Weeks	Grab	All
01055 - Manganese, Total (Mn) - ug/l	4000	-	-	2000	-	-	-	1 / 2 Weeks	Grab	All
01074 - Nickel, Total Recoverable - ug/l	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
50050 - Flow Rate - MGD	-	-	-	-	-	-	-	1/Day	24hr Total Estimate	All
61425 - Acute Toxicity, Ceriodaphnia dubia - TUa	1.0	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
70300 - Residue, Total Filterable - mg/l	-	-	-	1720	-	-	-	1/Month	Grab	All

Notes for Station Number 0IL00091002:

a. The Monitoring and sampling shall be performed as required in the above table when the pond associated with outfall 0IL00091002 is receiving water pumped from the mine works or received water pumped from the mine works within the previous 90 days. If no water pumped from the mine works has been directed towards 0IL00091002 within the previous 90 days, enter no discharge for the month.

b. Monitoring and sampling shall be performed as required in the above table. If no sample is collected or data is not reported, see Part II, Item N for the appropriate instructions and codes to use on the monthly eDMR.

c. Grab Samples - See Part II, Item E .

- d. Only one of the two ponds associated with outfalls 002 and 011 are anticipated to receive water pumped from the mine works at any given time. The wasteload allocations are based on a flow of 0.216 MGD distributed between outfall 002 and 011. In the event that both 002 and 011 receive water pumped from the mine works at a cumulative flow value significantly above 0.216 MGD, notification shall be provided to Ohio EPA's Southeast District Office in accordance with Part III, Item 16 (A-C) as applicable.
- e. Samples taken in compliance with effluent monitoring requirements shall be collected following treatment if provided and prior to entering receiving streams.
- f. Quarterly samples shall be taken in March, June, August and December. Samples may be collected in any month of the quarter.
- g. See Part II, Item L for Pond Maintenance.
- h. See Part II, Item M for Whole Effluent Toxicity.
- i. See Part II, Item F for Storm Water.

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

3. During the period beginning on the effective date of this permit and lasting until the end of the 59th month after the effective date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall 0IL00091008. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Final Outfall - 008 - 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			
00045 - Total Precipitation - Inches	-	-	-	-	-	-	-	1/Day	24hr Total	All
00400 - pH - S.U.	9.0	6.5	-	-	-	-	-	1 / 2 Weeks	Grab	All
00530 - Total Suspended Solids - mg/l	70	-	-	35	-	-	-	1 / 2 Weeks	Grab	All
00545 - Residue, Settleable (Volume) - mL/L	-	-	-	-	-	-	-	When Disch.	Grab	All
00900 - Hardness, Total (CaCO3) - mg/l	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
00940 - Chloride, Total - mg/l	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
00945 - Sulfate, (SO4) - mg/l	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
01045 - Iron, Total (Fe) - ug/l	6000	-	-	3000	-	-	-	1 / 2 Weeks	Grab	All
01055 - Manganese, Total (Mn) - ug/l	4000	-	-	2000	-	-	-	1 / 2 Weeks	Grab	All
50050 - Flow Rate - MGD	-	-	-	-	-	-	-	1/Day	24hr Total Estimate	All
61425 - Acute Toxicity, Ceriodaphnia dubia - TUa	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
70300 - Residue, Total Filterable - mg/l	-	-	-	-	-	-	-	1/Month	Grab	All

Notes for Station Number 0IL00091008:

a. Monitoring and sampling shall be performed as required in the above table. If no sample is collected or data is not reported, see Part II, Item N for the appropriate instructions and codes to use on the monthly eDMR.

b. Samples taken in compliance with effluent monitoring requirements shall be collected following treatment if provided and prior to entering receiving streams.

- c. Grab Samples - See Part II, Item E.
- d. Settleable residue is required only when the alternative limits of Part II, Item G are invoked. The permittee shall add results to the eDMR.
- e. Quarterly samples shall be taken in March, June, August and December. Samples may be collected in any month of the quarter.
- f. See Part II, Item L for Pond Maintenance.
- g. See Part II, Item M for Whole Effluent Toxicity.
- h. See Part II, Item F for Storm Water.

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

4. During the period beginning 59 months after the effective date of this permit and lasting until the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall 0IL00091008. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Final Outfall - 008 - 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
00045 - Total Precipitation - Inches	-	-	-	-	-	-	-	1/Day	24hr Total	All
00400 - pH - S.U.	9.0	6.5	-	-	-	-	-	1 / 2 Weeks	Grab	All
00530 - Total Suspended Solids - mg/l	70	-	-	35	-	-	-	1 / 2 Weeks	Grab	All
00545 - Residue, Settleable (Volume) - mL/L	-	-	-	-	-	-	-	When Disch.	Grab	All
00900 - Hardness, Total (CaCO3) - mg/l	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
00940 - Chloride, Total - mg/l	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
00945 - Sulfate, (SO4) - mg/l	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
01045 - Iron, Total (Fe) - ug/l	6000	-	-	3000	-	-	-	1 / 2 Weeks	Grab	All
01055 - Manganese, Total (Mn) - ug/l	4000	-	-	2000	-	-	-	1 / 2 Weeks	Grab	All
50050 - Flow Rate - MGD	-	-	-	-	-	-	-	1/Day	24hr Total Estimate	All
61425 - Acute Toxicity, Ceriodaphnia dubia - TUa	1.0	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
70300 - Residue, Total Filterable - mg/l	-	-	-	2232	-	-	-	1/Month	Grab	All

Notes for Station Number 0IL00091008:

a. Monitoring and sampling shall be performed as required in the above table. If no sample is collected or data is not reported, see Part II, Item N for the appropriate instructions and codes to use on the monthly eDMR.

b. Samples taken in compliance with effluent monitoring requirements shall be collected following treatment if provided and prior to entering receiving streams.

- c. Grab Samples - See Part II, Item E.
- d. Settleable residue is required only when the alternative limits of Part II, Item G are invoked. The permittee shall add results to the eDMR.
- e. Quarterly samples shall be taken in March, June, August and December. Samples may be collected in any month of the quarter.
- f. See Part II, Item L for Pond Maintenance.
- g. See Part II, Item M for Whole Effluent Toxicity.
- h. See Part II, Item F for Storm Water.

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

5. During the period beginning on the effective date of this permit and lasting until the end of the 59th month after the effective date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall 0IL00091011. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Final Outfall - 011 - 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			
00400 - pH - S.U.	9.0	6.5	-	-	-	-	-	1 / 2 Weeks	Grab	All
00530 - Total Suspended Solids - mg/l	70	-	-	35	-	-	-	1 / 2 Weeks	Grab	All
00900 - Hardness, Total (CaCO3) - mg/l	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
00940 - Chloride, Total - mg/l	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
00945 - Sulfate, (SO4) - mg/l	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
01045 - Iron, Total (Fe) - ug/l	6000	-	-	3000	-	-	-	1 / 2 Weeks	Grab	All
01055 - Manganese, Total (Mn) - ug/l	4000	-	-	2000	-	-	-	1 / 2 Weeks	Grab	All
01074 - Nickel, Total Recoverable - ug/l	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
50050 - Flow Rate - MGD	-	-	-	-	-	-	-	1/Day	24hr Total Estimate	All
61425 - Acute Toxicity, Ceriodaphnia dubia - TUa	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
70300 - Residue, Total Filterable - mg/l	-	-	-	-	-	-	-	1/Month	Grab	All

Notes for Station Number 0IL00091011:

a. The Monitoring and sampling shall be performed as required in the above table when the pond associated with outfall 0IL00091011 is receiving water pumped from the mine works or received water pumped from the mine works within the previous 90 days. If no water pumped from the mine works has been directed towards 0IL00091011 within the previous 90 days, enter no discharge for the month.

b. Monitoring and sampling shall be performed as required in the above table. If no sample is collected or data is not reported, see Part II, Item N for the appropriate instructions and codes to use on the monthly eDMR.

c. Grab Samples - See Part II, Item E .

- d. Only one of the two ponds associated with outfalls 002 and 011 are anticipated to receive water pumped from the mine works at any given time. The wasteload allocations are based on a flow of 0.216 MGD distributed between outfall 002 and 011. In the event that both 002 and 011 receive water pumped from the mine works at a cumulative flow value significantly above 0.216 MGD, notification shall be provided to Ohio EPA's Southeast District Office in accordance with Part III, Item 16 (A-C) as applicable.
- e. Samples taken in compliance with effluent monitoring requirements shall be collected following treatment if provided and prior to entering receiving streams.
- f. Quarterly samples shall be taken in March, June, August and December. Samples may be collected in any month of the quarter.
- g. See Part II, Item L for Pond Maintenance.
- h. See Part II, Item M for Whole Effluent Toxicity.
- i. See Part II, Item F for Storm Water.

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

6. During the period beginning 59 months after the effective date of this permit and lasting until the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall 0IL00091011. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Final Outfall - 011 - 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			
00400 - pH - S.U.	9.0	6.5	-	-	-	-	-	1 / 2 Weeks	Grab	All
00530 - Total Suspended Solids - mg/l	70	-	-	35	-	-	-	1 / 2 Weeks	Grab	All
00900 - Hardness, Total (CaCO3) - mg/l	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
00940 - Chloride, Total - mg/l	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
00945 - Sulfate, (SO4) - mg/l	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
01045 - Iron, Total (Fe) - ug/l	6000	-	-	3000	-	-	-	1 / 2 Weeks	Grab	All
01055 - Manganese, Total (Mn) - ug/l	4000	-	-	2000	-	-	-	1 / 2 Weeks	Grab	All
01074 - Nickel, Total Recoverable - ug/l	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
50050 - Flow Rate - MGD	-	-	-	-	-	-	-	1/Day	24hr Total Estimate	All
61425 - Acute Toxicity, Ceriodaphnia dubia - TUa	1.0	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
70300 - Residue, Total Filterable - mg/l	-	-	-	1720	-	-	-	1/Month	Grab	All

Notes for Station Number 0IL00091011:

a. The Monitoring and sampling shall be performed as required in the above table when the pond associated with outfall 0IL00091011 is receiving water pumped from the mine works or received water pumped from the mine works within the previous 90 days. If no water pumped from the mine works has been directed towards 0IL00091011 within the previous 90 days, enter no discharge for the month.

b. Monitoring and sampling shall be performed as required in the above table. If no sample is collected or data is not reported, see Part II, Item N for the appropriate instructions and codes to use on the monthly eDMR.

c. Grab Samples - See Part II, Item E .

- d. Only one of the two ponds associated with outfalls 002 and 011 are anticipated to receive water pumped from the mine works at any given time. The wasteload allocations are based on a flow of 0.216 MGD distributed between outfall 002 and 011. In the event that both 002 and 011 receive water pumped from the mine works at a cumulative flow value significantly above 0.216 MGD, notification shall be provided to Ohio EPA's Southeast District Office in accordance with Part III, Item 16 (A-C) as applicable.
- e. Samples taken in compliance with effluent monitoring requirements shall be collected following treatment if provided and prior to entering receiving streams.
- f. Quarterly samples shall be taken in March, June, August and December. Samples may be collected in any month of the quarter.
- g. See Part II, Item L for Pond Maintenance.
- h. See Part II, Item M for Whole Effluent Toxicity.
- i. See Part II, Item F for Storm Water.

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

7. During the period beginning on the effective date of this permit and lasting until the end of the 59th month after the effective date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall 0IL00091013. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Final Outfall - 013 - 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			
00400 - pH - S.U.	9.0	6.5	-	-	-	-	-	1 / 2 Weeks	Grab	All
00530 - Total Suspended Solids - mg/l	70	-	-	35	-	-	-	1 / 2 Weeks	Grab	All
00545 - Residue, Settleable (Volume) - mL/L	-	-	-	-	-	-	-	When Disch.	Grab	All
00900 - Hardness, Total (CaCO3) - mg/l	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
00940 - Chloride, Total - mg/l	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
00945 - Sulfate, (SO4) - mg/l	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
01045 - Iron, Total (Fe) - ug/l	6000	-	-	3000	-	-	-	1 / 2 Weeks	Grab	All
01055 - Manganese, Total (Mn) - ug/l	4000	-	-	2000	-	-	-	1 / 2 Weeks	Grab	All
50050 - Flow Rate - MGD	-	-	-	-	-	-	-	1/Day	24hr Total Estimate	All
61425 - Acute Toxicity, Ceriodaphnia dubia - TUa	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
70300 - Residue, Total Filterable - mg/l	-	-	-	-	-	-	-	1/Month	Grab	All

Notes for Station Number 0IL00091013:

a. Monitoring and sampling shall be performed as required in the above table. If no sample is collected or data is not reported, see Part II, Item N for the appropriate instructions and codes to use on the monthly eDMR.

b. Samples taken in compliance with effluent monitoring requirements shall be collected following treatment if provided and prior to entering receiving streams.

- c. Grab Samples - See Part II, Item E.
- d. Settleable residue is required only when the alternative limits of Part II, Item G are invoked. The permittee shall add results to the eDMR.
- e. Quarterly samples shall be taken in March, June, August and December. Samples may be collected in any month of the quarter.
- f. See Part II, Item L for Pond Maintenance.
- g. See Part II, Item M for Whole Effluent Toxicity.
- h. See Part II, Item F for Storm Water.

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

8. During the period beginning 59 months after the effective date of this permit and lasting until the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall 0IL00091013. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Final Outfall - 013 - 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			
00400 - pH - S.U.	9.0	6.5	-	-	-	-	-	1 / 2 Weeks	Grab	All
00530 - Total Suspended Solids - mg/l	70	-	-	35	-	-	-	1 / 2 Weeks	Grab	All
00545 - Residue, Settleable (Volume) - mL/L	-	-	-	-	-	-	-	When Disch.	Grab	All
00900 - Hardness, Total (CaCO3) - mg/l	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
00940 - Chloride, Total - mg/l	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
00945 - Sulfate, (SO4) - mg/l	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
01045 - Iron, Total (Fe) - ug/l	6000	-	-	3000	-	-	-	1 / 2 Weeks	Grab	All
01055 - Manganese, Total (Mn) - ug/l	4000	-	-	2000	-	-	-	1 / 2 Weeks	Grab	All
50050 - Flow Rate - MGD	-	-	-	-	-	-	-	1/Day	24hr Total Estimate	All
61425 - Acute Toxicity, Ceriodaphnia dubia - TUa	1.0	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
70300 - Residue, Total Filterable - mg/l	-	-	-	1500	-	-	-	1/Month	Grab	All

Notes for Station Number 0IL00091013:

a. Monitoring and sampling shall be performed as required in the above table. If no sample is collected or data is not reported, see Part II, Item N for the appropriate instructions and codes to use on the monthly eDMR.

b. Samples taken in compliance with effluent monitoring requirements shall be collected following treatment if provided and prior to entering receiving streams.

- c. Grab Samples - See Part II, Item E.
- d. Settleable residue is required only when the alternative limits of Part II, Item G are invoked. The permittee shall add results to the eDMR.
- e. Quarterly samples shall be taken in March, June, August and December. Samples may be collected in any month of the quarter.
- f. See Part II, Item L for Pond Maintenance.
- g. See Part II, Item M for Whole Effluent Toxicity.
- h. See Part II, Item F for Storm Water.

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

9. During the period beginning on the effective date of this permit and lasting until the end of the 59th month after the effective date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall 0IL00091014. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Final Outfall - 014 - 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	
00400 - pH - S.U.	9.0	6.5	-	-	-	-	-	1 / 2 Weeks	Grab	All
00530 - Total Suspended Solids - mg/l	70	-	-	35	-	-	-	1 / 2 Weeks	Grab	All
00545 - Residue, Settleable (Volume) - mL/L	-	-	-	-	-	-	-	When Disch.	Grab	All
00900 - Hardness, Total (CaCO3) - mg/l	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
00940 - Chloride, Total - mg/l	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
00945 - Sulfate, (SO4) - mg/l	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
01045 - Iron, Total (Fe) - ug/l	6000	-	-	3000	-	-	-	1 / 2 Weeks	Grab	All
01055 - Manganese, Total (Mn) - ug/l	4000	-	-	2000	-	-	-	1 / 2 Weeks	Grab	All
50050 - Flow Rate - MGD	-	-	-	-	-	-	-	1/Day	24hr Total Estimate	All
61425 - Acute Toxicity, Ceriodaphnia dubia - TUa	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
70300 - Residue, Total Filterable - mg/l	-	-	-	-	-	-	-	1/Month	Grab	All

Notes for Station Number 0IL00091014:

a. Monitoring and sampling shall be performed as required in the above table. If no sample is collected or data is not reported, see Part II, Item N for the appropriate instructions and codes to use on the monthly eDMR.

b. Samples taken in compliance with effluent monitoring requirements shall be collected following treatment if provided and prior to entering receiving streams.

- c. Grab Samples - See Part II, Item E.
- d. Settleable residue is required only when the alternative limits of Part II, Item G are invoked. The permittee shall add results to the eDMR.
- e. Quarterly samples shall be taken in March, June, August and December. Samples may be collected in any month of the quarter.
- f. See Part II, Item L for Pond Maintenance.
- g. See Part II, Item M for Whole Effluent Toxicity.
- h. See Part II, Item F for Storm Water.

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

10. During the period beginning 59 months after the effective date of this permit and lasting until the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall 0IL00091014. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Final Outfall - 014 - 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			
00400 - pH - S.U.	9.0	6.5	-	-	-	-	-	1 / 2 Weeks	Grab	All
00530 - Total Suspended Solids - mg/l	70	-	-	35	-	-	-	1 / 2 Weeks	Grab	All
00545 - Residue, Settleable (Volume) - mL/L	-	-	-	-	-	-	-	When Disch.	Grab	All
00900 - Hardness, Total (CaCO3) - mg/l	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
00940 - Chloride, Total - mg/l	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
00945 - Sulfate, (SO4) - mg/l	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
01045 - Iron, Total (Fe) - ug/l	6000	-	-	3000	-	-	-	1 / 2 Weeks	Grab	All
01055 - Manganese, Total (Mn) - ug/l	4000	-	-	2000	-	-	-	1 / 2 Weeks	Grab	All
50050 - Flow Rate - MGD	-	-	-	-	-	-	-	1/Day	24hr Total Estimate	All
61425 - Acute Toxicity, Ceriodaphnia dubia - TUa	1.0	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
70300 - Residue, Total Filterable - mg/l	-	-	-	1500	-	-	-	1/Month	Grab	All

Notes for Station Number 0IL00091014:

a. Monitoring and sampling shall be performed as required in the above table. If no sample is collected or data is not reported, see Part II, Item N for the appropriate instructions and codes to use on the monthly eDMR.

b. Samples taken in compliance with effluent monitoring requirements shall be collected following treatment if provided and prior to entering receiving streams.

- c. Grab Samples - See Part II, Item E.
- d. Settleable residue is required only when the alternative limits of Part II, Item G are invoked. The permittee shall add results to the eDMR.
- e. Quarterly samples shall be taken in March, June, August and December. Samples may be collected in any month of the quarter.
- f. See Part II, Item L for Pond Maintenance.
- g. See Part II, Item M for Whole Effluent Toxicity.
- h. See Part II, Item F for Storm Water.

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

11. During the period beginning on the effective date of this permit and lasting until the end of the 59th month after the effective date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall 0IL00091015. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Final Outfall - 015 - 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	
00400 - pH - S.U.	9.0	6.5	-	-	-	-	-	1 / 2 Weeks	Grab	All
00530 - Total Suspended Solids - mg/l	70	-	-	35	-	-	-	1 / 2 Weeks	Grab	All
00545 - Residue, Settleable (Volume) - mL/L	-	-	-	-	-	-	-	When Disch.	Grab	All
00900 - Hardness, Total (CaCO3) - mg/l	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
00940 - Chloride, Total - mg/l	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
00945 - Sulfate, (SO4) - mg/l	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
01045 - Iron, Total (Fe) - ug/l	6000	-	-	3000	-	-	-	1 / 2 Weeks	Grab	All
01055 - Manganese, Total (Mn) - ug/l	4000	-	-	2000	-	-	-	1 / 2 Weeks	Grab	All
50050 - Flow Rate - MGD	-	-	-	-	-	-	-	1/Day	24hr Total Estimate	All
61425 - Acute Toxicity, Ceriodaphnia dubia - TUa	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
70300 - Residue, Total Filterable - mg/l	-	-	-	-	-	-	-	1/Month	Grab	All

Notes for Station Number 0IL00091015:

a. Monitoring and sampling shall be performed as required in the above table. If no sample is collected or data is not reported, see Part II, Item N for the appropriate instructions and codes to use on the monthly eDMR.

b. Samples taken in compliance with effluent monitoring requirements shall be collected following treatment if provided and prior to entering receiving streams.

- c. Grab Samples - See Part II, Item E.
- d. Settleable residue is required only when the alternative limits of Part II, Item G are invoked. The permittee shall add results to the eDMR.
- e. Quarterly samples shall be taken in March, June, August and December. Samples may be collected in any month of the quarter.
- f. See Part II, Item L for Pond Maintenance.
- g. See Part II, Item M for Whole Effluent Toxicity.
- h. See Part II, Item F for Storm Water.

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

12. During the period beginning 59 months after the effective date of this permit and lasting until the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall 0IL00091015. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Final Outfall - 015 - 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			
00400 - pH - S.U.	9.0	6.5	-	-	-	-	-	1 / 2 Weeks	Grab	All
00530 - Total Suspended Solids - mg/l	70	-	-	35	-	-	-	1 / 2 Weeks	Grab	All
00545 - Residue, Settleable (Volume) - mL/L	-	-	-	-	-	-	-	When Disch.	Grab	All
00900 - Hardness, Total (CaCO3) - mg/l	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
00940 - Chloride, Total - mg/l	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
00945 - Sulfate, (SO4) - mg/l	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
01045 - Iron, Total (Fe) - ug/l	6000	-	-	3000	-	-	-	1 / 2 Weeks	Grab	All
01055 - Manganese, Total (Mn) - ug/l	4000	-	-	2000	-	-	-	1 / 2 Weeks	Grab	All
50050 - Flow Rate - MGD	-	-	-	-	-	-	-	1/Day	24hr Total Estimate	All
61425 - Acute Toxicity, Ceriodaphnia dubia - TUa	1.0	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
70300 - Residue, Total Filterable - mg/l	-	-	-	1500	-	-	-	1/Month	Grab	All

Notes for Station Number 0IL00091015:

a. Monitoring and sampling shall be performed as required in the above table. If no sample is collected or data is not reported, see Part II, Item N for the appropriate instructions and codes to use on the monthly eDMR.

b. Samples taken in compliance with effluent monitoring requirements shall be collected following treatment if provided and prior to entering receiving streams.

- c. Grab Samples - See Part II, Item E.
- d. Settleable residue is required only when the alternative limits of Part II, Item G are invoked. The permittee shall add results to the eDMR.
- e. Quarterly samples shall be taken in March, June, August and December. Samples may be collected in any month of the quarter.
- f. See Part II, Item L for Pond Maintenance.
- g. See Part II, Item M for Whole Effluent Toxicity.
- h. See Part II, Item F for Storm Water.

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

13. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall 0IL00091017. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Final Outfall - 017 - 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
00056 - Flow Rate - GPD	-	-	-	-	-	-	-	1/Day	24hr Total Estimate	All
00300 - Dissolved Oxygen - mg/l	-	6.0	-	-	-	-	-	1/Month	Grab	All
00400 - pH - S.U.	9.0	6.5	-	-	-	-	-	1/Month	Grab	All
00530 - Total Suspended Solids - mg/l	18	-	-	12	0.682	-	0.455	1/Month	Grab	All
00610 - Nitrogen, Ammonia (NH3) - mg/l	4.5	-	-	3.0	0.171	-	0.114	1/Month	Grab	Winter
00610 - Nitrogen, Ammonia (NH3) - mg/l	1.5	-	-	1.0	0.0568	-	0.0379	1/Month	Grab	Summer
01350 - Turbidity, Severity - Units	-	-	-	-	-	-	-	1/Week	Estimate	All
31648 - E. coli - #/100 ml	-	-	284	126	-	-	-	1/Month	Grab	Summer
50060 - Chlorine, Total Residual - mg/l	0.038	-	-	-	-	-	-	1 / 2 Weeks	Grab	Summer
80082 - CBOD 5 day - mg/l	15	-	-	10	0.568	-	0.379	1/Month	Grab	All

Notes for Station Number 0IL00091017:

* Effluent loadings based on average design flow of 0.010 MGD.

a. Monitoring and sampling shall be performed as required in the above table. If no sample is collected or data is not reported, see Part II, Item N for the appropriate instructions and codes to use on the monthly eDMR.

b. Operator Certification- See Part II, Item A .

c. Sludge Removal and Annual Report-See Part II, Item J .

d. Turbidity - See Part II, Item H.

e. Total Residual Chlorine - See Part II, Item I.

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

14. During the period beginning on the effective date of this permit and lasting until the end of the 59th month after the effective date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall 0IL00091018. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Final Outfall - 018 - 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			
00400 - pH - S.U.	9.0	6.5	-	-	-	-	-	1 / 2 Weeks	Grab	All
00530 - Total Suspended Solids - mg/l	70	-	-	35	-	-	-	1 / 2 Weeks	Grab	All
00545 - Residue, Settleable (Volume) - mL/L	-	-	-	-	-	-	-	When Disch.	Grab	All
00900 - Hardness, Total (CaCO3) - mg/l	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
00940 - Chloride, Total - mg/l	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
00945 - Sulfate, (SO4) - mg/l	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
01045 - Iron, Total (Fe) - ug/l	6000	-	-	3000	-	-	-	1 / 2 Weeks	Grab	All
01055 - Manganese, Total (Mn) - ug/l	4000	-	-	2000	-	-	-	1 / 2 Weeks	Grab	All
50050 - Flow Rate - MGD	-	-	-	-	-	-	-	1/Day	24hr Total Estimate	All
61425 - Acute Toxicity, Ceriodaphnia dubia - TUa	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
70300 - Residue, Total Filterable - mg/l	-	-	-	-	-	-	-	1/Month	Grab	All

Notes for Station Number 0IL00091018:

a. Monitoring and sampling shall be performed as required in the above table. If no sample is collected or data is not reported, see Part II, Item N for the appropriate instructions and codes to use on the monthly eDMR.

b. Samples taken in compliance with effluent monitoring requirements shall be collected following treatment if provided and prior to entering receiving streams.

- c. Grab Samples - See Part II, Item E.
- d. Settleable residue is required only when the alternative limits of Part II, Item G are invoked. The permittee shall add results to the eDMR.
- e. Quarterly samples shall be taken in March, June, August and December. Samples may be collected in any month of the quarter.
- f. See Part II, Item L for Pond Maintenance.
- g. See Part II, Item M for Whole Effluent Toxicity.
- h. See Part II, Item F for Storm Water.

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

15. During the period beginning 59 months after the effective date of this permit and lasting until the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall 0IL00091018. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Final Outfall - 018 - 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			
00400 - pH - S.U.	9.0	6.5	-	-	-	-	-	1 / 2 Weeks	Grab	All
00530 - Total Suspended Solids - mg/l	70	-	-	35	-	-	-	1 / 2 Weeks	Grab	All
00545 - Residue, Settleable (Volume) - mL/L	-	-	-	-	-	-	-	When Disch.	Grab	All
00900 - Hardness, Total (CaCO3) - mg/l	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
00940 - Chloride, Total - mg/l	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
00945 - Sulfate, (SO4) - mg/l	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
01045 - Iron, Total (Fe) - ug/l	6000	-	-	3000	-	-	-	1 / 2 Weeks	Grab	All
01055 - Manganese, Total (Mn) - ug/l	4000	-	-	2000	-	-	-	1 / 2 Weeks	Grab	All
50050 - Flow Rate - MGD	-	-	-	-	-	-	-	1/Day	24hr Total Estimate	All
61425 - Acute Toxicity, Ceriodaphnia dubia - TUa	1.0	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
70300 - Residue, Total Filterable - mg/l	-	-	-	1500	-	-	-	1/Month	Grab	All

Notes for Station Number 0IL00091018:

a. Monitoring and sampling shall be performed as required in the above table. If no sample is collected or data is not reported, see Part II, Item N for the appropriate instructions and codes to use on the monthly eDMR.

b. Samples taken in compliance with effluent monitoring requirements shall be collected following treatment if provided and prior to entering receiving streams.

- c. Grab Samples - See Part II, Item E.
- d. Settleable residue is required only when the alternative limits of Part II, Item G are invoked. The permittee shall add results to the eDMR.
- e. Quarterly samples shall be taken in March, June, August and December. Samples may be collected in any month of the quarter.
- f. See Part II, Item L for Pond Maintenance.
- g. See Part II, Item M for Whole Effluent Toxicity.
- h. See Part II, Item F for Storm Water.

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

16. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall 0IL00091117. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Final Outfall - 117 - 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
00056 - Flow Rate - GPD	-	-	-	-	-	-	-	1/Day	24hr Total Estimate	All
00300 - Dissolved Oxygen - mg/l	-	6.0	-	-	-	-	-	1/Month	Grab	All
00400 - pH - S.U.	9.0	6.5	-	-	-	-	-	1/Month	Grab	All
00530 - Total Suspended Solids - mg/l	18	-	-	12	1.03	-	0.682	1/Month	Grab	All
00610 - Nitrogen, Ammonia (NH3) - mg/l	4.5	-	-	3.0	0.256	-	0.171	1/Month	Grab	Winter
00610 - Nitrogen, Ammonia (NH3) - mg/l	1.5	-	-	1.0	0.0852	-	0.0568	1/Month	Grab	Summer
01350 - Turbidity, Severity - Units	-	-	-	-	-	-	-	1/Week	Estimate	All
31648 - E. coli - #/100 ml	-	-	284	126	-	-	-	1/Month	Grab	Summer
50060 - Chlorine, Total Residual - mg/l	0.038	-	-	-	-	-	-	1 / 2 Weeks	Grab	Summer
80082 - CBOD 5 day - mg/l	15	-	-	10	0.852	-	0.568	1/Month	Grab	All

Notes for Station Number 0IL00091117:

* Effluent loadings based on average design flow of 0.015 MGD.

a. Monitoring and sampling shall be performed as required in the above table. If no sample is collected or data is not reported, see Part II, Item N for the appropriate instructions and codes to use on the monthly eDMR.

b. Operator Certification- See Part II, Item A .

c. Sludge Removal and Annual Report-See Part II, Item J .

d. Turbidity - See Part II, Item H.

e. Total Residual Chlorine - See Part II, Item I.

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

17. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall 0IL00091217. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Final Outfall - 217 - 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
00056 - Flow Rate - GPD	-	-	-	-	-	-	-	1/Day	24hr Total Estimate	All
00300 - Dissolved Oxygen - mg/l	-	6.0	-	-	-	-	-	1/Month	Grab	All
00400 - pH - S.U.	9.0	6.5	-	-	-	-	-	1/Month	Grab	All
00530 - Total Suspended Solids - mg/l	18	-	-	12	2.19	-	1.46	1/Month	Grab	All
00610 - Nitrogen, Ammonia (NH3) - mg/l	4.5	-	-	3.0	0.546	-	0.364	1/Month	Grab	Winter
00610 - Nitrogen, Ammonia (NH3) - mg/l	1.5	-	-	1.0	0.182	-	0.122	1/Month	Grab	Summer
01350 - Turbidity, Severity - Units	-	-	-	-	-	-	-	1/Week	Estimate	All
31648 - E. coli - #/100 ml	-	-	284	126	-	-	-	1/Month	Grab	Summer
50060 - Chlorine, Total Residual - mg/l	0.038	-	-	-	-	-	-	1 / 2 Weeks	Grab	Summer
80082 - CBOD 5 day - mg/l	15	-	-	10	1.82	-	1.22	1/Month	Grab	All

Notes for Station Number 0IL00091217:

* Effluent loadings based on average design flow of 0.032 MGD.

a. Monitoring and sampling shall be performed as required in the above table. If no sample is collected or data is not reported, see Part II, Item N for the appropriate instructions and codes to use on the monthly eDMR.

b. Operator Certification- See Part II, Item A .

c. Sludge Removal and Annual Report-See Part II, Item J .

d. Turbidity - See Part II, Item H.

e. Total Residual Chlorine - See Part II, Item I.

Part I, B. - SLUDGE MONITORING REQUIREMENTS

1. 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 0IL00091588, 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	
80991 - Sludge Volume, Gallons - Gals	-	-	-	-	-	-	-	1/Year	Total	December

NOTES for Station Number 0IL00091588:

- a. Monitoring is required when sewage sludge is removed from any of the three permitted sanitary facilities for transfer to another NPDES permit holder. The total sludge volume transferred to another NPDES permit holder for the entire year shall be reported on the December Discharge Monitoring Report (DMR).
- b. If no sewage sludge is removed from any of the three permitted sanitary facilities for transfer to another NPDES permit holder during the year, select the "No Discharge" check box on the data entry form and PIN the eDMR.
- c. See Part II, Item J.

PART I, C - SCHEDULE OF COMPLIANCE

Effluent Limit Schedule

1. The permittee shall achieve compliance with the final effluent limitations for total dissolved solids and Whole Effluent Toxicity at outfalls 002, 008, 011, 013, 014, 015 and 018 as specified in Part I.A. of this NPDES permit as soon as possible but not later than the dates contained in the following schedule:

a. Within 12 months from the effective date of this permit, the permittee shall provide a status report on the alternatives analysis.

b. Within 18 months from the effective date of this permit, the permittee shall submit an alternatives analysis report to the Ohio EPA Southeast District Office, Division of Surface Water. The alternatives analysis report shall at a minimum include the following:

i. Evaluation of sources.

ii. Identification and evaluation of the technical and economic feasibility of different alternatives. At a minimum, the following alternatives shall be evaluated:

- 1) Treatment
- 2) Flow augmentation
- 3) Re-directing flow
- 4) Best management practices

c. Within 24 months from the effective date of this permit, the permittee shall submit a status report to Ohio EPA Southeast District Office on its actions to achieve compliance with the final effluent limits. At a minimum, the status report shall identify the most promising alternative(s).

d. Within 36 months from the effective date of this permit, the permittee shall submit a status report to Ohio EPA Southeast District Office on its actions to achieve compliance with the final effluent limits.

e. If a permit to install or additional environmental permit application is required for the selected alternative(s), the applications shall be submitted within 42 months from the effective date of this permit.

f. Within 48 months from the effective date of this permit, the permittee shall submit a status report to the Ohio EPA Southeast District Office on its actions to achieve compliance with the final effluent limits. If construction is required to implement the selected alternative(s), construction shall commence within 48 months from the effective date of this permit.

g. Within 59 months from the effective date of this permit, the permittee shall comply with the final effluent limits at outfalls 002, 008, 011, 013, 014, 015 and 018.

h. The permittee shall submit written verification to the Ohio EPA Southeast District Office within 14 days after completion of 1.g of this schedule of compliance.

Part II, OTHER REQUIREMENTS

A. Operator Certification Requirements for all Facilities

1. Classification

a. In accordance with Ohio Administrative Code 3745-7-04, the sewage treatment facilities at this site shall be classified as Class A facilities. The permittee shall designate one or more professional operator of record to oversee the technical operation of the treatment works with a valid certification of a class equal to or greater than the classification of the treatment works.

2. Professional Operator of Record

a. Within three days of a change in a professional operator of record, the permittee shall notify the Director of the Ohio EPA of any such change on a form acceptable to Ohio EPA. The appropriate form can be found at the following website:

<http://epa.ohio.gov/Portals/28/documents/opcert/Operator%20of%20Record%20Notification%20Form.pdf>

b. All applications for renewal of this NPDES permit shall include an updated Operator of Record Notification form along with other necessary forms and fees to be considered a complete application.

c. If the designated professional operator of record is unable to meet the minimum staffing requirements at a class A or class I treatment works, then a professional operator with a certificate equal to or higher than that of the treatment works may serve as the professional operator of record until such time as the designated professional operator of record is available. The use of this provision does not require notification to the agency unless the use of the backup professional operator exceeds thirty consecutive days. In the event the use of a backup professional operator under this provision exceeds thirty consecutive days, the owner or professional operator shall provide notice in accordance with paragraph (A)(2) of rule 3745-7-02 of the Administrative Code.

3. Minimum Staffing Requirements

a. The permittee shall ensure that the treatment works operator of record is physically present at the facility in accordance with the minimum staffing requirements per paragraph (C)(1) of rule 3745-7-04 of the Ohio Administrative Code or the requirements from an approved 3745-7-04(C) minimum staffing hour reduction plan.

4. Additional Staffing Requirements

Visits to all treatment works shall be performed by the permittee, the permittee's representative, or agent five days a week and noted in the operational and maintenance records required by rule 3745-7-09 of the Administrative Code. Visits shall not be necessary when the treatment works is not in operation.

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

Sampling Station	Description of Location
0IL00091002 . .	Pond 2- for mine dewatering (Lat: 39 N 53' 35 " ; Long: 81 W 01' 22 ") Sample before discharge to Piney Creek
0IL00091008 stockpiles . .	Pond 8C-Storm water runoff-contact with coal refuse and coal [Lat:39 N 53' 35" ; Long. 81 W 01' 12"] Sample before discharge to Piney Creek
0IL00091011 . .	Pond 11-for mine dewatering [Lat:39 N 53' 47"; Long. 81 W 01' 18"] Sample before discharge to Piney Creek
0IL00091013 . .	Pond 13-Storm water runoff-contact with coal refuse [Lat:39 N 53' 51"; Long. 81 W 01' 27"] Sample before discharge to UT to Piney Creek
0IL00091014 . .	Pond 14-Storm water runoff-contact with coal refuse [Lat:39 N 53' 56"; Long. 81 W 01' 46"] Sample before discharge to UT to Piney Creek
0IL00091015 . .	Pond 15-Storm water runoff-contact with coal refuse [Lat: 39 N 54' 11"; Long. 81 W 01' 54"] Sample before discharge to UT to Captina Creek
0IL00091017 . .	Century Mine Sanitary WWTP [Lat: 39 N 53' 45"; Long. 81 W 01' 21"] Sample prior to discharge to Piney Creek
0IL00091018 area . .	Pond 18-(formerly 0GM00142018) Storm water runoff from refuse [Lat: 39 N 54' 08"; Long. 81 W 01' 17"] Sample prior to discharge to UT to Piney Creek
0IL00091117 . .	Sanitary Outfall (formerly 0IM00033001)-Century Mine WWTP 2 [Lat:39 N 53' 44";Long. 81 W 1' 24"] Sample prior to discharge to Piney Creek
0IL00091217 . .	Sanitary Outfall (formerly 0IM00036001)- Bethesda Portal WWTP [Lat:39 N 58' 49";Long. 81 W 3' 22"] Sample prior to discharge to UT to Bend Fork
0IL00046588 .	Sludge removed from the sewage treatment plants and hauled to another NPDES permitted facility.

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

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

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

D. Water quality based permit limitations in this permit may be revised based on updated wasteload allocations or use designation rules. This permit may be modified, or revoked and reissued, to include new water quality based effluent limits or other conditions that are necessary to comply with a revised wasteload allocation, or an approved total maximum daily loads (TMDL) report as required under Section 303 (d) of the Clean Water Act.

E. Grab Samples

Grab samples shall be collected at such times and locations, and in such fashion, as to be representative of the monitored discharges.

F. Storm Water Pollution Prevention

A plan shall be developed to address discharges to surface waters of the state that contain storm water associated with industrial activity and construction activity. Plans shall be prepared in accordance with good engineering practices. The plan shall identify potential sources of pollution which may reasonably be expected to affect the quality of storm water discharges from the facility. The plan shall describe and ensure the implementation of practices which are to be used to reduce the pollutants in storm water discharges at the facility and to assure compliance with the terms and conditions of this permit. Facilities must implement the provisions of the plan required under this part as a condition of this permit. The plan is intended to document the selection, design, and installation of control measures.

Most active coal mining-related areas are subject to sediment and erosion control regulations of the U.S. Office of Surface Mining (OSM) that enforces the Surface Mining Control and Reclamation Act (SMCRA). OSM has granted authority to the Ohio Department of Natural Resources to implement SMCRA through the State SMCRA regulations found in OAC 1513. The erosion, sediment and storm water management practices used to satisfy the conditions of SMCRA shall be deemed acceptable. Where applicable, such documented practices shall be made available to Ohio EPA upon request..

G. The discharge from outfalls 0IL00091008, 0IL00091013 , 0IL00091014, 0IL00091015, and 0IL00091018 are eligible for the alternative effluent limits listed in section (1) below provided that the applicability and submission requirements listed in section (2) below are met.

1. Alternative Effluent Limits for outfalls 0IL00091008, 0IL00091013 , 0IL00091014, 0IL00091015, and 0IL00091018.

a. If the discharge or increase in the volume of the discharge is caused by precipitation within any 24 hr. period greater than 0.75 inches, but less than or equal to 3.56 inches (the 10 year, 24 hour precipitation event or snowmelt of equivalent volume) , the alternative limits (with monitoring/reporting requirements) are as follows:

Reporting Code/Units	Parameter	Concentration		Measurement Frequency	Sample Type
		30 Day Ave	Daily Max		
00530 mg/l	Total Suspended Solids	-	-	1/2 weeks	Grab
00545 ml/l	Residue, Settleable	-	0.5	1/2 weeks	Grab
01045 ug/l	Iron, Total (Fe)	-	-	1/2 weeks	Grab
01055 ug/l	Manganese, Total (Mn)	-	-	1/2 weeks	Grab

All other monitoring requirements and limitations listed in tables of Part I, A for Outfalls 0IL00091008, 0IL00091013 , 0IL00091014, 0IL00091015, and 0IL00091018 remain unchanged. These additional parameters must be tested during these events.

b. If the discharge or increase in the volume of the discharge is caused by precipitation greater than 3.51 inches (the 10 year, 24 hour precipitation event or snowmelt of equivalent volume), the alternative limits (with monitoring/reporting requirements) are as follows:

Reporting Code/Units	Parameter	Concentration		Measurement Frequency	Sample Type
		30 Day Ave	Daily Max		
00530 mg/l	Total Suspended Solids	-	-	1/2 weeks	Grab
00545 ml/l	Residue, Settleable	-	-	1/2 weeks	Grab
01045 ug/l	Iron, Total (Fe)	-	-	1/2 weeks	Grab
01055 ug/l	Manganese, Total (Mn)	-	-	1/2 weeks	Grab

All other monitoring requirements and limitations listed in tables of Part I, A for Outfalls 0IL00091008, 0IL00091013 , 0IL00091014, 0IL00091015, and 0IL00091018 remain unchanged. These additional parameters must be tested during these events.

2. Applicability and Submission Requirements

- a. The samples of the discharge for all parameters listed are collected during, or within 24 hours after the applicable precipitation event.
- b. The operator proves that the discharge or the increase in the discharge was caused by the applicable precipitation event. The following information must be submitted by the permittee as proof of qualification for the alternative effluent limitations:
 - i. A statement of the precipitation event for which the alternative limits are being sought and the amount of rainfall specified for that precipitation event as defined by the National Weather Service and Technical Paper No. 40, "Rainfall Atlas of the United States", May 1961, or equivalent regional rainfall probability information developed therefrom;
 - ii. The date, duration (time begin/time end), and total 24-hour accumulation (inches), of the precipitation which caused the discharge or increase in volume of the discharge; and
 - iii. The date and time grab samples were collected.
- c. The permittee should report "AC" in the appropriate location on the Discharge Monitoring Report (DMR) where the data would have gone if alternative limits were not applicable.

H. If Severity Units are required for Turbidity, use the following table to determine the value between 0 and 4 to report.

REPORTED VALUE*	SEVERITY DESCRIPTION	TURBIDITY
0	None	Clear
1	Mild	
2	Moderate	Light Solids
3	Serious	
4	Extreme	Heavy Solids

* Interpolate between the descriptive phrases.

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, tot. res.	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. All disposal, use, storage, or treatment of sewage sludge by the Permittee shall comply with Chapter 6111. of the Ohio Revised Code, Chapter 3745-40 of the Ohio Administrative Code and any further requirements specified in this NPDES permit, and any other actions of the Director that pertain to the disposal, use, storage, or treatment of sewage sludge by the Permittee.

Sewage sludge composite samples shall consist of a minimum of six grab samples collected at such times and locations, and in such fashion, as to be representative of the facility's sewage sludge.

No later than March 1 of each calendar year, the Permittee shall submit a report summarizing the sewage sludge disposal, use, storage, or treatment activities of the Permittee during the previous calendar year. The report shall be submitted through the Ohio EPA eBusiness Center, Division of Surface Water NPDES Permit Applications service.

Each day when sewage sludge is removed from the wastewater treatment plant for use or disposal, a representative sample of sewage sludge shall be collected and analyzed for percent total solids. This value of percent total solids shall be used to calculate the total Sewage Sludge Weight (Discharge Monitoring Report code 70316) and/or total Sewage Sludge Fee Weight (Discharge Monitoring Report code 51129) removed from the treatment plant on that day. The results of the daily monitoring and the weight calculations shall be maintained on site for a minimum of five years. The test methodology used shall be from Part 2540 G of Standard Methods for the Examination of Water and Wastewater American Public Health Association, American Water Works Association, and Water Environment Federation, using the edition which is current on the issuance date of the permit. To convert from gallons of liquid sewage sludge to dry tons of sewage sludge: $\text{dry tons} = \text{gallons} \times 8.34 \text{ (lbs/gallon)} \times 0.0005 \text{ (tons/lb)} \times \text{decimal fraction total solids}$.

K. Use of Ammonia Prohibited and Authorized Treatment Chemicals

Ammonia shall not be used at any outfall for treatment without approval of the Ohio EPA. The permittee is authorized to use the following chemicals for treatment: Caustic Soda, Potassium Permanganate, Soda Ash, Hydrated Lime, Flocculent and Sulfuric Acid. If there is a planned change in type of chemical being used other than those listed, please notify the Ohio EPA before use begins.

L. TREATMENT POND MAINTENANCE, INSPECTION, AND MONITORING

Treatment ponds shall be operated, maintained and inspected in accordance with SMCRA and applicable Ohio Department of Natural Resources, Division of Reclamation Policy/Procedure Directives, including but not limited to Engineering 89-2, as they may be amended.

M. 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 outfalls 0IL00091002, 0IL00091008, 0IL00091011, 0IL00091013, 0IL00091014, 0IL00091015 and 0IL00091018.

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. Acute Bioassays

The permittee shall conduct quarterly acute toxicity tests using *Ceriodaphnia dubia* on effluent samples from outfalls 0IL00091002, 0IL00091008, 0IL00091011, 0IL00091013, 0IL00091014, 0IL00091015 and 0IL00091018. These tests shall be conducted as specified in Section 2 of the biomonitoring guidance.

2. Data Review

a. Reporting

Following completion of each quarterly bioassay requirement, the permittee shall report results of the tests in accordance with Sections 2.H.1. and 2.H.2.a. of the biomonitoring guidance, including reporting the results on the monthly DMR and submitting a copy of the complete test report to Ohio EPA, Division of Surface Water, NPDES Permit Unit, P.O. Box 1049, Columbus, OH, 43216-1049 or alternatively submitted electronically.

Based on Ohio EPA's evaluation of the results, this permit may be modified to require additional biomonitoring, or require a toxicity reduction evaluation.

b. Definitions

TU_a = Acute Toxicity Units = 100/LC₅₀

N. MONITORING/REPORTING REQUIREMENTS AND REPORTING CODES FOR MONITORING/ SAMPLING STATIONS

1) All parameters, except flow, need not be monitored on days when the plant is not normally staffed (Saturdays, Sundays, and Holidays). On those days when the plant is not normally staffed, report "AN" on the monthly report form. The use of this code is limited to Saturdays, Sundays, and officially recognized municipal holidays, if the treatment plant is not normally staffed on those days. This code is only acceptable for parameters that are sampled daily, but cannot be used if continuous monitoring and recording is used, e.g. flow metering, continuous pH or temperature monitoring. For parameters sampled at a lesser frequency, the sampling date should be moved to a date when the plant is staffed.

2) If there is no discharge during the entire month, report as follows:

a) If using e-DMR, DO NOT USE THE "AL" CODE or any other code or report "0" for flow. If no discharge occurred for the full monitoring period, select the "No Discharge" check box at the top of the e-DMR form and enter "No discharge during the month" in the Remarks Section.

Sign or PIN the DMR.

3) If there are no discharges on one or more required monitoring days during the month, report as follows:

a) Enter the required monitoring data for the days when a discharge occurred;

b) For each required monitoring day there was no discharge, do not enter "0" for flow. Enter code "AC" for each parameter including the parameter for flow for each monitoring day the facility was not discharging.

c) Information about other data Substitution Codes (a.k.a. "A Codes") that can be used on the Monthly Discharge Monitoring Report form is on page 13 at:

<http://www.epa.ohio.gov/portals/35/edmr/doc/e-DMRAll-In-One.pdf>

4) More information about eDMR is at:

<http://epa.ohio.gov/dsw/ebs.aspx#170645011-edmr>

5) Note that even if a code is used, not reporting as required by the NPDES permit, may in some cases still be considered a violation of the permit's conditions which may result in a notice of violation letter from Ohio EPA.

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.

"Sewage sludge" means a solid, semi-solid, or liquid residue generated during the treatment of domestic sewage in a treatment works as defined in section 6111.01 of the Revised Code. "Sewage sludge" includes, but is not limited to, scum or solids removed in primary, secondary, or advanced wastewater treatment processes. "Sewage sludge" does not include ash generated during the firing of sewage sludge in a sewage sludge incinerator, grit and screenings generated during preliminary treatment of domestic sewage in a treatment works, animal manure, residue generated during treatment of animal manure, or domestic septage.

"Sewage sludge weight" means the weight of sewage sludge, in dry U.S. tons, including admixtures such as liming materials or bulking agents. Monitoring frequencies for sewage sludge parameters are based on the reported sludge weight generated in a calendar year (use the most recent calendar year data when the NPDES permit is up for renewal).

"Sewage sludge fee weight" means the weight of sewage sludge, in dry U.S. tons, excluding admixtures such as liming materials or bulking agents. Annual sewage sludge fees, as per section 3745.11(Y) of the Ohio Revised Code, are based on the reported sludge fee weight for the most recent calendar year.

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 shall be submitted monthly on Ohio EPA 4500 Discharge Monitoring Report (DMR) forms using the electronic DMR (e-DMR) internet application. e-DMR allows permitted facilities to enter, sign, and submit DMRs on the internet. e-DMR information is found on the following web page:

<http://www.epa.ohio.gov/dsw/edmr/eDMR.aspx>

Alternatively, if you are unable to use e-DMR due to a demonstrated hardship, monitoring data may be submitted on paper DMR forms provided by Ohio EPA. Monitoring data shall be typed on the forms. Please contact Ohio EPA, Division of Surface Water at (614) 644-2050 if you wish to receive paper DMR forms.

B. DMRs shall be signed by a facility's Responsible Official or a Delegated Responsible Official (i.e. a person delegated by the Responsible Official). The Responsible Official of a facility is defined as:

1. For corporations - a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision making functions for the corporation; or the manager of one or more manufacturing, production or operating facilities, provided the manager is authorized to make management decisions which govern the operation of the regulated facility including having explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long-term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;
2. For partnerships - a general partner;
3. For a sole proprietorship - the proprietor; or,
4. For a municipality, state or other public facility - a principal executive officer, a ranking elected official or other duly authorized employee.

For e-DMR, the person signing and submitting the DMR will need to obtain an eBusiness Center account and Personal Identification Number (PIN). Additionally, Delegated Responsible Officials must be delegated by the Responsible Official, either on-line using the eBusiness Center's delegation function, or on a paper delegation form provided by Ohio EPA. For more information on the PIN and delegation processes, please view the following web page:

<http://epa.ohio.gov/dsw/edmr/eDMR.aspx>

C. DMRs submitted using e-DMR shall be submitted to Ohio EPA by the 20th day of the month following the month-of-interest. DMRs submitted on paper must include the original signed DMR form and shall be mailed to Ohio EPA at the following address so that they are received no later than the 15th day of the month following the month-of-interest:

Ohio Environmental Protection Agency
Lazarus Government Center
Division of Surface Water - PCU
P.O. Box 1049
Columbus, Ohio 43216-1049

D. 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 in Section 5. SAMPLING AND ANALYTICAL METHODS, the results of such monitoring shall be included in the calculation and reporting of the values required in the reports specified above.

E. Analyses of pollutants not required by this permit, except as noted in the preceding paragraph, shall not be reported to the Ohio EPA, but records shall be retained as specified in Section 7. 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 except those records that pertain to sewage sludge disposal, use, storage, or treatment, which shall be kept for a minimum of five 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, or five years for sewage sludge, 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, or five year period for sewage sludge, 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. Bypass Not Exceeding Limitations - The permittee may allow any bypass to occur which does not cause effluent limitations to be exceeded, but only if it also is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of paragraphs 11.B and 11.C.

B. Notice

1. Anticipated Bypass - 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.

2. Unanticipated Bypass - The permittee shall submit notice of an unanticipated bypass as required in paragraph 12.B (24 hour notice).

C. Prohibition of Bypass

1. Bypass is prohibited, and the Director may take enforcement action against a permittee for bypass, unless:

- a. Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;
- b. 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 equipment 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
- c. The permittee submitted notices as required under paragraph 11.B.

2. The Director may approve an anticipated bypass, after considering its adverse effects, if the Director determines that it will meet the three conditions listed above in paragraph 11.C.1.

12. NONCOMPLIANCE NOTIFICATION

A. Exceedance of a Daily Maximum Discharge Limit

1. The permittee shall report noncompliance that is the result of any violation of a daily maximum discharge limit for any of the pollutants listed by the Director in the permit by e-mail or telephone within twenty-four (24) hours of discovery.

The permittee may report to the appropriate Ohio EPA district office e-mail account as follows (this method is preferred):

Southeast District Office: sedo24hournpdes@epa.state.oh.us
Southwest District Office: swdo24hournpdes@epa.state.oh.us
Northwest District Office: nwdo24hournpdes@epa.state.oh.us
Northeast District Office: nedo24hournpdes@epa.state.oh.us
Central District Office: cdo24hournpdes@epa.state.oh.us
Central Office: co24hournpdes@epa.state.oh.us

The permittee shall attach a noncompliance report to the e-mail. A noncompliance report form is available on the following web site under the Monitoring and Reporting - Non-Compliance Notification section:

<http://epa.ohio.gov/dsw/permits/individuals.aspx>

Or, the permittee may report to the appropriate Ohio EPA district office by telephone toll-free between 8:00 AM and 5:00 PM as follows:

Southeast District Office: (800) 686-7330
Southwest District Office: (800) 686-8930
Northwest District Office: (800) 686-6930
Northeast District Office: (800) 686-6330
Central District Office: (800) 686-2330
Central Office: (614) 644-2001

The permittee shall include the following information in the telephone noncompliance report:

- a. The name of the permittee, and a contact name and telephone number;
- b. The limit(s) that has been exceeded;
- c. The extent of the exceedance(s);
- d. The cause of the exceedance(s);
- e. The period of the exceedance(s) including exact dates and times;
- f. If uncorrected, the anticipated time the exceedance(s) is expected to continue; and,
- g. Steps taken to reduce, eliminate or prevent occurrence of the exceedance(s).

B. Other Permit Violations

1. The permittee shall report noncompliance that is the result of any unanticipated bypass resulting in an exceedance of any effluent limit in the permit or any upset resulting in an exceedance of any effluent limit in the permit by e-mail or telephone within twenty-four (24) hours of discovery.

The permittee may report to the appropriate Ohio EPA district office e-mail account as follows (this method is preferred):

Southeast District Office: sedo24hournpdes@epa.state.oh.us
Southwest District Office: swdo24hournpdes@epa.state.oh.us
Northwest District Office: nwdo24hournpdes@epa.state.oh.us
Northeast District Office: nedo24hournpdes@epa.state.oh.us
Central District Office: cdo24hournpdes@epa.state.oh.us
Central Office: co24hournpdes@epa.state.oh.us

The permittee shall attach a noncompliance report to the e-mail. A noncompliance report form is available on the following web site:

<http://www.epa.ohio.gov/dsw/permits/permits.aspx>

Or, the permittee may report to the appropriate Ohio EPA district office by telephone toll-free between 8:00 AM and 5:00 PM as follows:

Southeast District Office: (800) 686-7330
Southwest District Office: (800) 686-8930
Northwest District Office: (800) 686-6930
Northeast District Office: (800) 686-6330
Central District Office: (800) 686-2330
Central Office: (614) 644-2001

The permittee shall include the following information in the telephone noncompliance report:

- a. The name of the permittee, and a contact name and telephone number;
 - b. The time(s) at which the discharge occurred, and was discovered;
 - c. The approximate amount and the characteristics of the discharge;
 - d. The stream(s) affected by the discharge;
 - e. The circumstances which created the discharge;
 - f. The name and telephone number of the person(s) who have knowledge of these circumstances;
 - g. What remedial steps are being taken; and,
 - h. The name and telephone number of the person(s) responsible for such remedial steps.
2. The permittee shall report noncompliance that is the result of any spill or discharge which may endanger human health or the environment within thirty (30) minutes of discovery by calling the 24-Hour Emergency Hotline toll-free at (800) 282-9378. The permittee shall also report the spill or discharge by e-mail or telephone within twenty-four (24) hours of discovery in accordance with B.1 above.
- C. When the telephone option is used for the noncompliance reports required by A and B, the permittee shall submit to the appropriate Ohio EPA district office a confirmation letter and a completed noncompliance report within five (5) days of the discovery of the noncompliance. This follow up report is not necessary for the e-mail option which already includes a completed noncompliance report.
- D. If the permittee is unable to meet any date for achieving an event, as specified in a schedule of compliance in their permit, the permittee shall submit a written report to the appropriate Ohio EPA district office within fourteen (14) days of becoming aware of such a 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 other instances of permit noncompliance not reported under paragraphs A or B of this section on their monthly DMR submission. The DMR shall contain comments that include the information listed in paragraphs A or B as appropriate.
- F. If the permittee becomes aware that it failed to submit an application, or submitted incorrect information in an 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 grit and screenings, and other solids other than sewage sludge, shall be disposed of in such a manner as to prevent entry of those wastes into waters of the state, and in accordance with all applicable laws and rules.

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.