Application No. OH0135313

Issue Date: September 15, 2016

Effective Date: October 1, 2016

Expiration Date: September 30, 2021

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),

Gatling Ohio, LLC dba Yellowbush Mine

is authorized by the Ohio Environmental Protection Agency, hereinafter referred to as "Ohio EPA," to discharge from the Yellowbush Mine Facility located on 48241 Township Road 100, Racine, Ohio, Meigs County and discharging to Yellowbush Creek, Jennie Watts Run and an unnamed tributary to Jennie Watts Run, in accordance with the conditions specified in Parts I, II, III, IV, V and VI 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.

_____
Craig Butler
Director

Total Pages: 60

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

1. During the period beginning on the permit effective date and lasting until the expiratiion date , the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall 0IL00145001. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Final Outfall - 001 - Final

Effluent Characteristic	Discharge Limitations							Monitoring Requirements		
	Concentration Specified Units				Loading* kg/day					
Parameter	Maximum	Minimum	Weekly	Monthly	Daily	Weekly	Monthly	Measuring Frequency	Sampling Type	Monitoring Months
00045 - Total Precipitation - Inches	-	-	-	-	-	-	-	1/Day	Total	All
00400 - pH - S.U.	9.0	6.5	-	-	-	-	-	1/Month	Grab	All
00530 - Total Suspended Solids - mg/l	70	-	-	35	-	-	-	1/Month	Grab	All
00545 - Residue, Settleable (Volume) - mL/L	-	-	-	-	-	-	-	1/Month	Grab	All
00945 - Sulfate, (SO4) - mg/l	-	-	-	-	-	-	-	1/Month	Grab	All
01045 - Iron, Total (Fe) - ug/l	6000	-	-	3000	-	-	-	1/Month	Grab	All
01055 - Manganese, Total (Mn) - ug/l	4000	-	-	2000	-	-	-	1/Month	Grab	All
50050 - Flow Rate - MGD	-	-	-	-	-	-	-	1/Day	Total	All
70300 - Residue, Total Filterable - mg/l	-	-	-	-	-	-	-	1/Month	Grab	All

Notes for Station Number 0IL00145001:

a. MONITORING AND SAMPLING - shall be performed as required in the above table. If no sample is collected or data is not reported as required by the permit, see Part II, Item B. for the appropriate instructions and codes to use on the DMR or eDMR.

b. GRAB SAMPLES - See Part II, Item D

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

2. 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 0IL00145002. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Final Outfall - 002 - Final

Effluent Characteristic	Discharge Limitations							Monitoring Requirements		
	Concentration Specified Units				Loading* kg/day					
Parameter	Maximum	Minimum	Weekly	Monthly	Daily	Weekly	Monthly	Measuring Frequency	Sampling Type	Monitoring Months
00045 - Total Precipitation - Inches	-	-	-	-	-	-	-	When Disch.	Total	All
00400 - pH - S.U.	9.0	6.5	-	-	-	-	-	1/Week	Grab	All
00530 - Total Suspended Solids - mg/l	70	-	-	35	-	-	-	1/Week	Grab	All
00545 - Residue, Settleable (Volume) - mL/L	-	-	-	-	-	-	-	1/Week	Grab	All
00940 - Chloride, Total - mg/l	-	-	-	-	-	-	-	1/2 months	Grab	Bimonthly
00945 - Sulfate, (SO4) - mg/l	-	-	-	-	-	-	-	1/2 months	Grab	Bimonthly
01045 - Iron, Total (Fe) - ug/l	6000	-	-	3000	-	-	-	1/Week	Grab	All
01055 - Manganese, Total (Mn) - ug/l	4000	-	-	2000	-	-	-	1/Week	Grab	All
50050 - Flow Rate - MGD	-	-	-	-	-	-	-	When Disch.	24hr Total Estimate	All
50092 - Mercury, Total (Low Level) - ng/l	-	-	-	-	-	-	-	2/Year	Grab	Semi-annual
70300 - Residue, Total Filterable - mg/l	-	-	-	1500	-	-	-	1/2 months	Grab	Bimonthly

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Notes for Station Number 0IL00145002:

a. MONITORING AND SAMPLING - shall be performed as required in the above table. If no sample is collected or data is not reported as required by the permit, see Part II, Item B. for the appropriate instructions and codes to use on the DMR or eDMR.

b. GRAB SAMPLES - See Part II, Item D

c. Alternative Effluent Limits- Discharges from 0IL00145002 may, as an option, comply with effluent limitations and monitoring requirements listed in Part II, Item I provided that all the conditions are met.

d. Residue, Settleable-Sampling for Residue, Settleable shall be done at the same time as sampling for suspended solids.

e. Mercury Monitoring- see Part II, Item E.

f. Semi-Annual Sampling means June and December.

g. Bimonthly Sampling means January, March, May, July, September and November.

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

3. During the period beginning on the effective date and lasting until the 54 month after the effective date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall 0IL00145003. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Final Outfall - 003 - Initial - 003 - Initial - 003 - Initial

Effluent Characteristic	Discharge Limitations							Monitoring Requirements		
	Concentration Specified Units				Loading* kg/day					
Parameter	Maximum	Minimum	Weekly	Monthly	Daily	Weekly	Monthly	Measuring Frequency	Sampling Type	Monitoring Months
00045 - Total Precipitation - Inches	-	-	-	-	-	-	-	1/Day	Total	All
00400 - pH - S.U.	9.0	6.5	-	-	-	-	-	1/Week	Grab	All
00530 - Total Suspended Solids - mg/l	70	-	-	35	-	-	-	1/Week	Grab	All
00545 - Residue, Settleable (Volume) - mL/L	-	-	-	-	-	-	-	1/Week	Grab	All
00900 - Hardness, Total (CaCO3) - mg/l	-	-	-	-	-	-	-	1/2 months	Grab	Bimonthly
00940 - Chloride, Total - mg/l	-	-	-	-	-	-	-	1/2 months	Grab	Bimonthly
00945 - Sulfate, (SO4) - mg/l	-	-	-	-	-	-	-	1/2 months	Grab	Bimonthly
01045 - Iron, Total (Fe) - ug/l	6000	-	-	3000	-	-	-	1/Week	Grab	All
01055 - Manganese, Total (Mn) - ug/l	4000	-	-	2000	-	-	-	1/Week	Grab	All
50050 - Flow Rate - MGD	-	-	-	-	-	-	-	1/Day	24hr Total	All
50092 - Mercury, Total (Low Level) - ng/l	-	-	-	-	-	-	-	1/Year	Grab	Annual-Sept
61425 - Acute Toxicity, Ceriodaphnia dubia - TUa	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
70300 - Residue, Total Filterable - mg/l	-	-	-	-	-	-	-	1/Week	Grab	All

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Notes for Station Number 0IL00145003:

a. MONITORING AND SAMPLING - shall be performed as required in the above table. If no sample is collected or data is not reported as required by the permit, see Part II, Item B. for the appropriate instructions and codes to use on the DMR or eDMR.

b. GRAB SAMPLES - See Part II, Item D.

c. Alternative Effluent Limits- Discharges from 0IL00145003 may, as an option, comply with effluent limitations and monitoring requirements listed in Part II, Item I (2) provided that all the conditions are met.

d. Residue, Settleable-Sampling for Residue, Settleable shall be done at the same time as sampling for suspended solids.

e. Mercury Monitoring- see Part II, Item E.

f. Bimonthly Sampling means January, March, May, July,September and November.

g. ACUTE TOXICITY-See Part II, Item L .

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

4. During the period beginning on the 54th month 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 0IL00145003. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Final Outfall - 003 - Final

Effluent Characteristic	Discharge Limitations							Monitoring Requirements		
	Concentration Specified Units				Loading* kg/day					
Parameter	Maximum	Minimum	Weekly	Monthly	Daily	Weekly	Monthly	Measuring Frequency	Sampling Type	Monitoring Months
00045 - Total Precipitation - Inches	-	-	-	-	-	-	-	1/Day	Total	All
00400 - pH - S.U.	9.0	6.5	-	-	-	-	-	1/Week	Grab	All
00530 - Total Suspended Solids - mg/l	70	-	-	35	-	-	-	1/Week	Grab	All
00545 - Residue, Settleable (Volume) - mL/L	-	-	-	-	-	-	-	1/Week	Grab	All
00900 - Hardness, Total (CaCO3) - mg/l	-	-	-	-	-	-	-	1/2 months	Grab	Bimonthly
00940 - Chloride, Total - mg/l	-	-	-	-	-	-	-	1/2 months	Grab	Bimonthly
00945 - Sulfate, (SO4) - mg/l	-	-	-	-	-	-	-	1/2 months	Grab	Bimonthly
01045 - Iron, Total (Fe) - ug/l	6000	-	-	3000	-	-	-	1/Week	Grab	All
01055 - Manganese, Total (Mn) - ug/l	4000	-	-	2000	-	-	-	1/Week	Grab	All
50050 - Flow Rate - MGD	-	-	-	-	-	-	-	1/Day	24hr Total	All
50092 - Mercury, Total (Low Level) - ng/l	-	-	-	-	-	-	-	1/Year	Grab	Yearly
61425 - Acute Toxicity, Ceriodaphnia dubia - TUa	1.0	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
70300 - Residue, Total Filterable - mg/l	-	-	-	1500	-	-	-	1/Week	Grab	All

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Notes for Station Number 0IL00145003:

a. MONITORING AND SAMPLING - shall be performed as required in the above table. If no sample is collected or data is not reported as required by the permit, see Part II, Item B. for the appropriate instructions and codes to use on the DMR or eDMR.

b. GRAB SAMPLES - See Part II, Item D.

c. Alternative Effluent Limits- Discharges from 0IL00145003 may, as an option, comply with effluent limitations and monitoring requirements listed in Part II, Item I (2) provided that all the conditions are met.

d. Residue, Settleable-Sampling for Residue, Settleable shall be done at the same time as sampling for suspended solids.

e. Mercury Monitoring- see Part II, Item E.

f. Bimonthly Sampling means January, March, May, July,September and November.

g. ACUTE TOXICITY-See Part II, Item L.

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

5. 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 0IL00145004. See Part II, OTHER REQUIREMENTS, for the location of the permitted outfall and the location to sample/monitor the effluent.

Table - Final Outfall - 004 - Final

Effluent Characteristic	Discharge Limitations							Monitoring Requirements		
	Concentration Specified Units				Loading* kg/day					
Parameter	Maximum	Minimum	Weekly	Monthly	Daily	Weekly	Monthly	Measuring Frequency	Sampling Type	Monitoring Months
00045 - Total Precipitation - Inches	-	-	-	-	-	-	-	1/Day	Grab	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	-	-	-	-	-	-	-	1 / 2 Weeks	Grab	All
00940 - Chloride, Total - mg/l	-	-	-	-	-	-	-	1/2 months	Grab	Bimonthly
00945 - Sulfate, (SO4) - mg/l	-	-	-	-	-	-	-	1/2 months	Grab	Bimonthly
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
50092 - Mercury, Total (Low Level) - ng/l	-	-	-	-	-	-	-	1/Year	Grab	Annual-Sept
70300 - Residue, Total Filterable - mg/l	-	-	-	1500	-	-	-	1/2 months	Grab	Bimonthly

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Notes for Station Number 0IL00145004:

a. MONITORING AND SAMPLING - shall be performed as required in the above table. If no sample is collected or data is not reported as required by the permit, see Part II, Item B. for the appropriate instructions and codes to use on the DMR or eDMR.

b. GRAB SAMPLES - See Part II, Item D.

c. Alternative Effluent Limits- Discharges from 0IL00145004 may, as an option, comply with effluent limitations and monitoring requirements listed in Part II, Item I provided that all the conditions are met.

d. Residue, Settleable-Sampling for Residue, Settleable shall be done at the same time as sampling for suspended solids.

e. Mercury Monitoring- see Part II, Item E.

f. Bimonthly Sampling means January, March, May, July, September and November.

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

6. During the period beginning on the permit 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 0IL00145005. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Final Outfall - 005 - Final

Effluent Characteristic	Discharge Limitations							Monitoring Requirements		
	Concentration Specified Units				Loading* kg/day					
Parameter	Maximum	Minimum	Weekly	Monthly	Daily	Weekly	Monthly	Measuring Frequency	Sampling Type	Monitoring Months
00045 - Total Precipitation - Inches	-	-	-	-	-	-	-	1/Day	Total	All
00400 - pH - S.U.	9.0	6.5	-	-	-	-	-	1/Month	Grab	All
00530 - Total Suspended Solids - mg/l	70	-	-	35	-	-	-	1/Month	Grab	All
00545 - Residue, Settleable (Volume) - mL/L	-	-	-	-	-	-	-	1/Month	Grab	All
00945 - Sulfate, (SO4) - mg/l	-	-	-	-	-	-	-	1/Month	Grab	All
01045 - Iron, Total (Fe) - ug/l	6000	-	-	3000	-	-	-	1/Month	Grab	All
01055 - Manganese, Total (Mn) - ug/l	4000	-	-	2000	-	-	-	1/Month	Grab	All
50050 - Flow Rate - MGD	-	-	-	-	-	-	-	1/Day	Total	All
70300 - Residue, Total Filterable - mg/l	-	-	-	-	-	-	-	1/Month	Grab	All

Notes for Station Number 0IL00145005:

a. MONITORING AND SAMPLING - shall be performed as required in the above table. If no sample is collected or data is not reported as required by the permit, see Part II, Item B. for the appropriate instructions and codes to use on the DMR or eDMR.

b. GRAB SAMPLES - See Part II, Item D

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

7. 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 0IL00145006. See Part II, OTHER REQUIREMENTS, for the location of the permitted outfall and the location to sample/monitor the effluent.

Table - Final Outfall - 006 - Final

Effluent Characteristic	Discharge Limitations							Monitoring Requirements		
	Concentration Specified Units				Loading* kg/day					
Parameter	Maximum	Minimum	Weekly	Monthly	Daily	Weekly	Monthly	Measuring Frequency	Sampling Type	Monitoring Months
00045 - Total Precipitation - Inches	-	-	-	-	-	-	-	1/Day	Grab	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	-	-	-	-	-	-	-	1 / 2 Weeks	Grab	All
00940 - Chloride, Total - mg/l	-	-	-	-	-	-	-	1/2 months	Grab	Bimonthly
00945 - Sulfate, (SO4) - mg/l	-	-	-	-	-	-	-	1/2 months	Grab	Bimonthly
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
50092 - Mercury, Total (Low Level) - ng/l	-	-	-	-	-	-	-	1/Year	Grab	Yearly
70300 - Residue, Total Filterable - mg/l	-	-	-	1500	-	-	-	1/2 months	Grab	Bimonthly

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Notes for Station Number 0IL00145006:

a. MONITORING AND SAMPLING - shall be performed as required in the above table. If no sample is collected or data is not reported as required by the permit, see Part II, Item B for the appropriate instructions and codes to use on the DMR or eDMR.

b. Alternative Effluent Limits- Discharges from 0IL00145006 may, as an option, comply with effluent limitations and monitoring requirements listed in Part II, Item I provided that all the conditions are met.

c. Residue, Settleable-Sampling for Residue, Settleable shall be done at the same time as sampling for suspended solids.

d. Mercury Monitoring- see Part II, Item E.

e. GRAB SAMPLES - See Part II, Item D.

f. Bimonthly Sampling means January, March, May, July,September and November.

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

8. During the period beginning on the effective date and lasting until the 54th month after the effective date , the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall 0IL00145007. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Final Outfall - 007 - Initial - 007 - Initial - 007 - Initial

Effluent Characteristic	Discharge Limitations							Monitoring Requirements		
	Concentration Specified Units				Loading* kg/day					
Parameter	Maximum	Minimum	Weekly	Monthly	Daily	Weekly	Monthly	Measuring Frequency	Sampling Type	Monitoring Months
00400 - pH - S.U.	9.0	6.5	-	-	-	-	-	1/Quarter	Grab	Quarterly
00530 - Total Suspended Solids - mg/l	70	-	-	35	-	-	-	1/Quarter	Grab	Quarterly
00900 - Hardness, Total (CaCO3) - mg/l	-	-	-	-	-	-	-	2/Year	Grab	Semi-annual
00916 - Calcium, Total (Ca) - mg/l	-	-	-	-	-	-	-	2/Year	Grab	Semi-annual
00927 - Magnesium, Total (Mg) - mg/l	-	-	-	-	-	-	-	2/Year	Grab	Semi-annual
00929 - Sodium, Total (Na) - mg/l	-	-	-	-	-	-	-	2/Year	Grab	Semi-annual
00940 - Chloride, Total - mg/l	-	-	-	-	-	-	-	2/Year	Grab	Semi-annual
00945 - Sulfate, (SO4) - mg/l	-	-	-	-	-	-	-	2/Year	Grab	Semi-annual
00981 - Selenium, Total Recoverable - ug/l	-	-	-	-	-	-	-	2/Year	Grab	Semi-annual
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	All
50092 - Mercury, Total (Low Level) - ng/l	-	-	-	-	-	-	-	1/Year	Grab	Annual-Sept
61425 - Acute Toxicity, Ceriodaphnia dubia - TUa	-	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
70300 - Residue, Total Filterable - mg/l	-	-	-	-	-	-	-	1 / 2 Weeks	Grab	All

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Notes for Station Number 0IL00145007:

a. MONITORING AND SAMPLING - shall be performed as required in the above table. If no sample is collected or data is not reported as required by the permit, see Part II, Item B. for the appropriate instructions and codes to use on the DMR or eDMR.

b. Discharge monitoring data shall be reported in the Quarterly months of March, June, August, and December.

c. Bimonthly Sampling means January, March, May, July,September and November.

d. ACUTE TOXICITY-See Part II, Item L .

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

9. During the period beginning on the 54th month 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 0IL00145007. See Part II, OTHER REQUIREMENTS, for the location of the permitted outfall and the location to sample/monitor the effluent.

Table - Final Outfall - 007 - Final

Effluent Characteristic	Discharge Limitations							Monitoring Requirements		
	Concentration Specified Units				Loading* kg/day					
Parameter	Maximum	Minimum	Weekly	Monthly	Daily	Weekly	Monthly	Measuring Frequency	Sampling Type	Monitoring Months
00400 - pH - S.U.	9.0	6.5	-	-	-	-	-	1/Quarter	Grab	Quarterly
00530 - Total Suspended Solids - mg/l	70	-	-	35	-	-	-	1/Quarter	Grab	Quarterly
00900 - Hardness, Total (CaCO3) - mg/l	-	-	-	-	-	-	-	2/Year	Grab	Semi-annual
00916 - Calcium, Total (Ca) - mg/l	-	-	-	-	-	-	-	2/Year	Grab	Semi-annual
00927 - Magnesium, Total (Mg) - mg/l	-	-	-	-	-	-	-	2/Year	Grab	Semi-annual
00929 - Sodium, Total (Na) - mg/l	-	-	-	-	-	-	-	2/Year	Grab	Semi-annual
00940 - Chloride, Total - mg/l	-	-	-	-	-	-	-	2/Year	Grab	Semi-annual
00945 - Sulfate, (SO4) - mg/l	-	-	-	-	-	-	-	2/Year	Grab	Semi-annual
00981 - Selenium, Total Recoverable - ug/l	-	-	-	-	-	-	-	2/Year	Grab	Semi-annual
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	All
50092 - Mercury, Total (Low Level) - ng/l	-	-	-	-	-	-	-	1/Year	Grab	Annual-Sept
61425 - Acute Toxicity, Ceriodaphnia dubia - TUa	1.0	-	-	-	-	-	-	1/Quarter	Grab	Quarterly
70300 - Residue, Total Filterable - mg/l	-	-	-	1500	-	-	-	1 / 2 Weeks	Grab	All

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Notes for Station Number 0IL00145007:

a. MONITORING AND SAMPLING - shall be performed as required in the above table. If no sample is collected or data is not reported as required by the permit, see Part II, Item B. for the appropriate instructions and codes to use on the DMR or eDMR.

b. Discharge monitoring data shall be reported in the Quarterly months of March, June, August, and December.

c. Bimonthly Sampling means January, March, May, July,September and November.

d. ACUTE TOXICITY-See Part II, Item L.

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

10. During the period beginning on the permit 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 0IL00145008. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Final Outfall - 008 - Final

Effluent Characteristic	Discharge Limitations							Monitoring Requirements		
	Concentration Specified Units				Loading* kg/day					
Parameter	Maximum	Minimum	Weekly	Monthly	Daily	Weekly	Monthly	Measuring Frequency	Sampling Type	Monitoring Months
00045 - Total Precipitation - Inches	-	-	-	-	-	-	-	1/Day	Total	All
00400 - pH - S.U.	9.0	6.5	-	-	-	-	-	1/Month	Grab	All
00530 - Total Suspended Solids - mg/l	70	-	-	35	-	-	-	1/Month	Grab	All
00545 - Residue, Settleable (Volume) - mL/L	-	-	-	-	-	-	-	1/Month	Grab	All
00945 - Sulfate, (SO4) - mg/l	-	-	-	-	-	-	-	1/Month	Grab	All
01045 - Iron, Total (Fe) - ug/l	6000	-	-	3000	-	-	-	1/Month	Grab	All
01055 - Manganese, Total (Mn) - ug/l	4000	-	-	2000	-	-	-	1/Month	Grab	All
50050 - Flow Rate - MGD	-	-	-	-	-	-	-	1/Day	Total	All
70300 - Residue, Total Filterable - mg/l	-	-	-	-	-	-	-	1/Month	Grab	All

Notes for Station Number 0IL00145008:

a. MONITORING AND SAMPLING - shall be performed as required in the above table. If no sample is collected or data is not reported as required by the permit, see Part II, Item B. for the appropriate instructions and codes to use on the DMR or eDMR.

b. GRAB SAMPLES - See Part II, Item D

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

11. During the period beginning on the permit 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 0IL00145012. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Final Outfall - 012 - Final

Effluent Characteristic	Discharge Limitations							Monitoring Requirements		
	Concentration Specified Units				Loading* kg/day					
Parameter	Maximum	Minimum	Weekly	Monthly	Daily	Weekly	Monthly	Measuring Frequency	Sampling Type	Monitoring Months
00045 - Total Precipitation - Inches	-	-	-	-	-	-	-	1/Day	Total	All
00400 - pH - S.U.	9.0	6.5	-	-	-	-	-	1/Month	Grab	All
00530 - Total Suspended Solids - mg/l	70	-	-	35	-	-	-	1/Month	Grab	All
00545 - Residue, Settleable (Volume) - mL/L	-	-	-	-	-	-	-	1/Month	Grab	All
00945 - Sulfate, (SO4) - mg/l	-	-	-	-	-	-	-	1/Month	Grab	All
01045 - Iron, Total (Fe) - ug/l	6000	-	-	3000	-	-	-	1/Month	Grab	All
01055 - Manganese, Total (Mn) - ug/l	4000	-	-	2000	-	-	-	1/Month	Grab	All
50050 - Flow Rate - MGD	-	-	-	-	-	-	-	1/Day	Total	All
70300 - Residue, Total Filterable - mg/l	-	-	-	-	-	-	-	1/Month	Grab	All

Notes for Station Number 0IL00145012:

a. MONITORING AND SAMPLING - shall be performed as required in the above table. If no sample is collected or data is not reported as required by the permit, see Part II, Item B. for the appropriate instructions and codes to use on the DMR or eDMR.

b. GRAB SAMPLES - See Part II, Item D

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

12. During the period beginning on the permit 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 0IL00145801. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Final Outfall - 801 - Final

Effluent Characteristic	Discharge Limitations							Monitoring Requirements		
	Concentration Specified Units				Loading* kg/day					
Parameter	Maximum	Minimum	Weekly	Monthly	Daily	Weekly	Monthly	Measuring Frequency	Sampling Type	Monitoring Months
70300 - Residue, Total Filterable - mg/l	-	-	-	-	-	-	-	1 / 2 Weeks	Grab	All

NOTES for Station Number 0IL00145801:

a. Samples for this outfall shall be collected on the same day as samples are collected for total filterable residue, parameter code 70300, at Outfalls 0IL00145003 and 0IL00145007.

Part I, B. - DOWNSTREAM-FARFIELD MONITORING REQUIREMENTS

1. Downstream-Farfield Monitoring. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee shall monitor the receiving stream, downstream of the point of discharge, at Station Number 0IL00145901, and report to the Ohio EPA in accordance with the following table. See Part II, OTHER REQUIREMENTS, for location of sampling.

Table - Downstream-Farfield Monitoring - 901 - Final

Effluent Characteristic	Discharge Limitations							Monitoring Requirements		
	Concentration Specified Units				Loading* kg/day					
Parameter	Maximum	Minimum	Weekly	Monthly	Daily	Weekly	Monthly	Measuring Frequency	Sampling Type	Monitoring Months
70300 - Residue, Total Filterable - mg/l	-	-	-	-	-	-	-	1 / 2 Weeks	Grab	All

NOTES for Station Number 0IL00145901:

a. Samples for this outfall shall be collected on the same day as samples are collected for total filterable residue, parameter code 70300, at Outfalls 0IL00145003 and 0IL00145007.

Part I, C. - SCHEDULE OF COMPLIANCE

a.The permittee shall achieve compliance with the final effluent limitations for outfalls 0IL00145003 and 0IL00145007 as specified in Part I.A. of this NPDES permit as expeditiously as practicable. In any event, the permittee shall attain final compliance not later than the dates developed in accordance with the following schedule:

b. The permittee shall submit to the appropriate Ohio EPA district office a status report on submitting a complete and approvable Permit to Install (PTI) application, or other alternative, for achieving final compliance for outfall 0IL00145003 and and 0IL00145007 as soon as possible, but no later than 12 months after the effective date of the permit. (Event Code 3599)

c. The permittee shall submit to the appropriate Ohio EPA district office a complete and approvable PTI application, or other detailed compliance plans if a PTI is not necessary, for achieving final compliance for outfalls 0IL00145003 and 0IL00145007 as soon as possible, but not later than 24 months after the effective date of this permit. (Event Code 1799)

d. The permittee shall initiate any needed construction as soon as possible, but not later than 30 months after the effective date of this permit. (Event Code 3099)

e. The permittee shall submit to the appropriate Ohio EPA district office a status report regarding the progress towards achieving the final effluent limitations for outfalls 0IL00145003 and 0IL00145007 as soon as possible, but not later than 42 months after the effective date of this permit. (Event Code 3699)

f. The permittee shall have completed any needed construction as soon as possible, but not later than 53 months after the effective date of this permit. (Event code 4599)

g. The permittee shall have attained full compliance with the final effluent limitations for outfalls 0IL00145003 and 0IL00145007 as soon as possible, but not later than 54 months after the effective date of this permit. (Event Code 5699)

h.The permittee shall submit written verification to the Ohio EPA Southeast District Office of the completion of step, 1.D., 1.F, and 1.G of this schedule of compliance within 14 days after completion of each step.

Part II, OTHER REQUIREMENTS

A. Descriptions of the location of the permitted discharge outfalls and required effluent sampling/monitoring stations are as follows:

Permitted Outfall or Effluent Sampling/ Monitoring Station	Description of Permitted Outfall or Effluent Sampling/ Monitoring Location
0IL00145001	Final effluent from Pond 001 receiving runoff/drainage from the borrow and topsoil storage areas. Discharge is to Yellowbush Creek. Includes storm water associated with industrial activity. (Lat: 38N 57' 36"; Long: 81W 54' 05")
0IL00145002	Final effluent from Pond 002 receiving runoff/drainage from the clean coal storage area. Discharge is to Yellowbush Creek. (Lat: 38N 57' 30"; Long: 81W 54' 19")
0IL00145003	Final effluent from Pond 003 receiving runoff/drainage from the refuse disposal areas. May include pumpage from the underground mine. Discharge is to Yellowbush Creek. (Lat: 38N 57' 35"; Long: 81W 53' 50")
0IL00145004	Final effluent from Pond 004 receiving runoff/drainage from the refuse disposal areas. Discharge is to Yellowbush Creek. (Lat: 38N 57' 34"; Long: 81W 53' 54")

0IL00145005 Final effluent from Pond 005 receiving runoff/drainage
. from the parking lot areas.
. Discharge is to Yellowbush Creek.
. Includes storm water uncontaminated from industrial
. activity.
. (Lat: 38N 57' 30"; Long: 81W 54' 02")
0IL00145006 Final effluent from Pond 006 receiving runoff/drainage
. from the coal preparation plant area and raw coal
. pile areas. Discharge is to Yellowbush Creek.
. (Lat: 38N 57' 31"; Long: 81W 54' 11")
0IL00145007 Final effluent from Pond 007, receiving
. pumpage from the underground mine and used
. for temporary disposal of vent shaft tailings.
. Discharge is to Jennie Watts Run. Includes
. storm water associated with industrial activity.
. (Lat: 38N 57' 34"; Long: 81W 53' 38")
0IL00145008 Final effluent from Pond 008 receiving stormwater runoff from
. the sloped entry area. Discharge would be to Yellowbush
. Creek. Includes storm water assocoated with industrial activity.
. (Lat: 38N 57' 24"; Long: 81W 53' 56")
0IL00145009 Final effluent from Pond 019 receiving runoff from a refuse
(Proposed not built) disposal area draining to Yellowbush Creek.This outfall is not in
Part I.
. (Lat: 38N 57' 50"; Long: 81W 53' 26")

0IL00145010 Final effluent from Pond 017 receiving runoff from a refuse
(Proposed not built) disposal area draining to Yellowbush Creek. This outfall is not in
Part I.
. (Lat: 38N 57' 53"; Long: 81W 53' 23")
0IL00145011 Final effluent from Pond 018 receiving runoff from a refuse
(Proposed not built) disposal area draining to Jennie Watts Run. This outfall is not in
Part I.
. (Lat: 38N 57' 37"; Long: 81W 53' 26")
0IL00145012 Final effluent from Pond 005A receiving stormwater runoff from
. the equipment parking area. Discharge would be to
. Yellowbush Creek. Includes storm water associated with
. industrial activity.
. (Lat: 38N 57' 27"; Long: 81W 53' 56")
0IL00145901 Downstream Sampling of Yellowbush Creek downstream of mine.

B. 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:

a) If using paper form 4500, report "AL" in the first column of the first day of the month. The AL code is only valid for DMRs submitted on paper using paper form 4500. NOTE THAT PAPER 45OO FORMS CAN ONLY BE SUBMITTED UNDER SPECIAL CIRCUMSTANCES PER SECTION 4.A. OF PART III OF THIS PERMIT. Do not report "0" for flow or use any other reporting codes other than "AL".

b) 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:

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#170669803-guidance--walkthroughs

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.

C. 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.

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

E. Analytical Methods

1.The permittee shall use either EPA Method 1631 or EPA Method 245.7 promulgated under 40 CFR 136 to comply with the effluent mercury monitoring requirements of this permit.

2.The permittee shall use analytical procedures approved under 40 CFR 136 with MDLs (method detection limits) less than or equal to those listed below to comply with the monitoring requirements in this permit:

	MDL (ug/l)
Selenium	2

F. Outfall Signage

Not later than 4 months from the effective date of this permit, the permittee shall post a permanent marker on the stream bank at outfalls 0Il00145003 and 0IL00145005. The marker shall consist at a minimum of the name of the establishment to which the permit was issued, the Ohio EPA permit number, and the outfall number and a contact telephone number. The information shall be printed in letters not less than two inches in height. The marker shall be a minimum of 2 feet by 2 feet and shall be a minimum of 3 feet above ground level. The sign shall not be obstructed such that persons in boats or persons swimming on the river or someone fishing or walking along the shore cannot read the sign. Vegetation shall be periodically removed to keep the sign visible. If the outfall is normally submerged the sign shall indicate that. When an existing marker is replaced or reset, the new marker shall comply with the requirements of this section.

G. Monitoring Report Name Change

The name of the monitoring reports required for each monitoring station contained in this permit has been changed from Monthly Operating Report (MOR) to Discharge Monitoring Report (DMR). The circumstances requiring the submittal of a DMR remain the same as those which were required for an MOR. Form 4500 must be used for DMR submittal.

H. Storm Water Associated with Industrial Activity.

See Parts IV, V, and VI for requirements for storm water associated with industrial activity. In addition to the storm water from the listed permitted outfalls in this permit, storm water associated with industrial actiivty also includes, but is not limited to, runoff from:

- Haul Roads and Access Roads.
- Equipment/Vehicle Fueling and Maintenance

Part V, A. "Coal Pile Runoff Effluent Limitations" does not apply to this permit.

I. The discharge from Outfalls 0IL00145002, 0IL00145004 and 0IL00145006 are eligible for the alternative effluent limits listed in sections (1) and (2) below provided that the applicability and submission requirements listed in section (3) below are met.

1. Alternative Effluent Limits for Outfalls Outfalls 0IL00145002, 0IL0015004 and 0IL00145006

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 3.50 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 30 Day Ave	Daily Max	Measurement Frequency	Sample Type
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 2, 4 and 6 of Part I, A for Outfalls 0IL00145002, 0IL00145004 and 0IL00145006 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 3.50 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 30 Day Ave	Concentration Daily Max	Measurement Frequency	Sample Type
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 2, 4 and 6 of Part I, A for Outfalls 0IL00145002, 0IL00145004 and 0IL00145006 remain unchanged. These additional parameters must be tested during these events.

2. Alternative Effluent Limits for outfall 0IL00145003.

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 3.50 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 30 Day Ave	Concentration Daily Max	Measurement Frequency	Sample Type
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 table 3 of Part I, A for Outfall 0IL00145003 remain unchanged. These additional parameters must be tested during these events.

2. The discharge from outfall 0IL00145003 is eligible for the alternative effluent limits listed in section (a) below provided that the applicability and submission requirements listed in section (1) below are met.

b. If the discharge or increase in the volume of the discharge is caused by precipitation greater than 3.50 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 30 Day Ave	Daily Max	Measurement Frequency	Sample Type
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 table 3 of Part I, A for Outfall 0IL00145003 remain unchanged. These additional parameters must be tested during these events.

3. 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) Form 4500 where the data would have gone if alternative limits were not applicable. The information required above in Part II, Item (D)(1)(b) should be included in the "Additional Remarks" section of the DMR form.

J. BEST MANAGEMENT PRACTICES (BMPs)

BMPs to Minimize Discharges of Dissolved Solids:
1. Before beginning coarse refuse disposal operations, the permittee shall develop a plan for the control of surface water drainage. The permittee shall:
a. Disturb the smallest practicable area at any time during coarse refuse fill operations ;
b. Place coarse refuse to avoid runoff of coal refuse-impacted water into locations other than treatment ponds;
c. Stabilize and compact fill material to promote a reduction in the rate and volume of runoff, and to minimize the penetration of precipitation into the fill:
d. To the extent practicable, divert runoff and uncontaminated ground water away from disturbed areas; and
e. Reclaim filled areas as soon as practicable following filling.

2. Rills and gullies shall be filled or regraded minimze erosion.

3. Discharge volumes shall be minimized during low-flow conditions in the receiving waters.

Treatment Pond Maintenance, Inspection and Monitoring:
1. Maintenance
Treatment ponds shall be operated and maintained to have sufficient volume available so that no process wastewater discharges will occur, except for a 48 hour period in any 7 day period or when precipitation causes an overflow of process wastewater from structures that are designed, constructed and maintained to contain all process wastewater, including runoff and direct precipitation from a 10-year, 24-hour (or greater) rainfall event. At a minimum, the structures must have a volume sufficient to store all of the following amounts:

a. Normal precipitation (less evaporation) on the surface of the structures;
b. Normal runoff from the production/ refuse area and any upslope areas from which clean runoff is not diverted around the production refuse area;
c. Residuals that remain after materials are removed from the structures;
d. Direct precipitation on the surface of the structure and runoff to the structure from a 10-year, 24-hour event;
and
e. For treatment ponds other than those equipped with an engineered stable overflow point such that structural failure will not occur during an overflow, calculate and maintain the feet of freeboard, viewed as optimum operational level to reduce risk of damaging pond containment structures, above the capacity necessary to contain the direct precipitation and runoff from a 10-year, 24-hour rain event.

2. Inspection and Monitoring
a. Conduct weekly inspections of all storm water diversion devices, runoff diversion structures, and devices channeling contaminated storm water to the pond (containment) structures;
b. Conduct weekly inspections of the pond storage structures;
c. Conduct weekly determinations of the depth of the water and process wastewater (and amount of freeboard necessary to meet 10-year, 24-hour storage capacity requirements) in all pond storage structures as indicated by the capacity depth markers required by this permit;
d. Conduct weekly inspections of flow measuring and control equipment;
e. Maintain a record of all inspections at the site so that it is available for review by Ohio EPA upon request.

K. Resumption of Operations
1) Material and substantial alterations or additions to the permitted facility or activity, including but not limited to resuming prep plant operations or commencing other coal mining, preparation, storage, or disposal activities, which occur after permit issuance which justify the application of permit conditions that are different or absent in the existing permit are cause for modifying this permit under 40 CFR 122.62.
2) Pursuant to 40 CFR 122.41, the permittee shall give notice to the Director as soon as possible of any planned physical alterations or additions to the permitted facility.
3) Pursuant to rule 3745-33-08, Ohio Administrative Code, facility expansions, production increases, or process modification, that result in new or increased discharges of pollutants must be reported by submission of a new NPDES application or, if such discharge does not violate effluent limitations specified in the NPDES permit, by submission to the Director of notice of such new or increased discharge of pollutants. This includes the beginning of construction of ponds 17, 18 and 19 for proposed outfalls 009, 010 and 011.

L. 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 0IL00145003 and 0IL00145007.

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 0IL00145003 and 0IL00145007. 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.

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

b. Definitions

TUa = Acute Toxicity Units = 100/LC50

c. Trigger to initiate a toxicity reduction evaluation (TRE)

Based upon evaluation of the data required under 2.a., above, Ohio EPA personnel will determine if a TRE will be required of the permittee. A decision to require a TRE will be based upon professional judgment and the following decision criteria:

1) two or more tests exceed the acute allowable effluent toxicity (AET)
. of 1.0 TUa in the outfall 0IL00145003 and 0IL00145007 effluent,

2) a review of the test procedures for adequacy,

3) evaluation of the normality of process and mine operations
. at the time of sampling,

4) evaluation of ambient toxicity data, and

5) evaluation of any available biosurvey data.

The permittee shall receive written notification from the Ohio EPA if a TRE is required. Notification to initiate a TRE will serve as the trigger to require the imposition of final effluent limits of 1.0 TUa. If a TRE is not required based upon the above criteria, Ohio EPA will review the biomonitoring results as in 2.a. above.

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," "nor greater than," "shall not exceed," "minimum," or "maximum" shall be determined from any single value for effluent samples and/or measurements collected.

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

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

"MGD" means million gallons per day.

"mg/l" means milligrams per liter.

"ug/l" means micrograms per liter.

"ng/l" means nanograms per liter.

"S.U." means standard pH unit.

"kg/day" means kilograms per day.

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

"Quarterly (1/Quarter) sampling frequency" means the sampling shall be done in the months of March, June, August, and December, unless 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. Regardless of the submission method, a paper copy of the submitted Ohio EPA 4500 DMR shall be maintained onsite for records retention purposes (see Section 7. RECORDS RETENTION). For e-DMR users, view and print the DMR from the Submission Report Information page after each original or revised DMR is submitted. For submittals on paper, make a copy of the completed paper form after it is signed by a Responsible Official or a Delegated Responsible Official.

E. 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.

F. 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

Not withstanding the issuance or non-issuance of an NPDES permit to a semi-public disposal system, whenever the sewage system of a publicly owned treatment works becomes available and accessible, the permittee operating any semi-public disposal system shall abandon the semi-public disposal system and connect it into the publicly owned treatment works.

Part IV. STORMWATER POLLUTION PREVENTION PLANS

A. Plan

A plan shall be developed to address discharges to surface waters of the state that contain storm water associated with industrial 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 practices shall be documented within the plan (directly or by reference).

B. Deadline for Plan Preparation and Compliance

1. The plan for a storm water discharge associated with industrial activity:

a. Shall be prepared by the effective date of this permit;

b. Shall provide for implementation and compliance with the terms of the plan on the effective date of this permit.

C. Signature and Plan Review

1. The plan shall be signed and dated in accordance with Part V.D, and be retained on-site at the facility which generates the storm water discharge.

2. The permittee shall make plans available upon request to the Ohio EPA Director, or authorized representative, or Regional Administrator of U.S. EPA, a local agency approving storm water management plans, or in the case of a storm water discharges through a MS4, to the operator of the municipal system.

3. The Director may notify the permittee at any time that the plan does not meet one or more of the minimum requirements of this Part. Within 30 days of such notification from the Director, the permittee shall make the required changes to the plan and shall submit to the Director a written certification that the requested changes have been made.

4. All storm water pollution prevention plans required under this permit are considered reports that shall be available to the public under Section 308(b) of the Act. The permittee may choose to fulfill such requests by allowing viewing of the plan at its facilities, or choosing to copy the plan and sending it to the party making the request. The permittee may charge the party making the request a reasonable fee for copying the plan. The permittee may claim any portion of a storm water pollution prevention plan as confidential in accordance with 40 CFR Part 2 and does not have to release any portion of the plan describing facility security measures.

D. Keeping Plan Current

The permittee shall amend the plan whenever there is a change in design, construction, operation or maintenance, which has a significant effect on the potential for the discharge of pollutants to surface waters of the state or if the plan proves to be ineffective in eliminating or significantly minimizing pollutants from sources identified under Part IV.E.2 of this permit, or otherwise achieving the general objectives of controlling pollutants in storm water. Amendments to the plan may be reviewed by Ohio EPA in the same manner as Part IV.C above.

E. Contents of Plan. The plan shall include, at a minimum, the following items:

1. Pollution Prevention Team. Each plan shall identify a specific individual or individuals within the facility organization as members of a storm water Pollution Prevention Team that are responsible for developing the storm water pollution prevention plan and assisting the facility or plant manager in its implementation, maintenance, and revision. The plan shall clearly identify the responsibilities of each team member. The activities and responsibilities of the team shall address all aspects of the facility's storm water pollution prevention plan.

2. Description of Potential Pollutant Sources. Each plan shall provide a description of potential sources that may reasonably be expected to add significant amounts of pollutants to storm water discharges or that may result in the discharge of pollutants during dry weather from separate storm sewers draining the facility. Each plan shall identify all activities and significant materials that may potentially be significant pollutant sources. Each plan shall include, at a minimum:

a. Drainage.

i. A site map, such as a drainage map required for an ODNR coal mining permit, indicating an outline of the drainage area of each storm water outfall, each existing structural control measure to reduce pollutants in storm water runoff, surface water bodies, locations where significant materials are exposed to precipitation, locations where major spills or leaks identified under Part IV.E.2.c of this permit have occurred, and the locations of the following activities where such activities are exposed to precipitation: fueling stations, vehicle and equipment maintenance and/or cleaning areas, loading/unloading areas, locations used for the treatment, storage or disposal of wastes, liquid storage tanks, processing areas and storage areas.

ii. For each area of the facility that generates storm water discharges with a reasonable potential for containing significant amounts of pollutants, a prediction of the direction of flow, and an estimate of the types of pollutants that are likely to be present in storm water discharges. Flows with a significant potential for causing erosion shall be identified.

b. Inventory of Exposed Materials. An inventory of the types of materials handled at the site that potentially may be exposed to precipitation. Such inventory shall include a narrative description of: significant materials that have been handled, treated, stored or disposed in a manner to allow exposure to storm water between the time of three years prior to the date of the issuance of this permit and the present; the method and location of on-site storage or disposal; materials management practices employed to minimize contact of materials with storm water runoff between the time of three years prior to the effective date of this permit and the present; the location and a description of existing structural and non-structural control measures to reduce pollutants in storm water runoff; and any treatment the storm water receives.

c. Spills and Leaks. A list of significant spills and significant leaks of toxic or hazardous pollutants that occurred at the facility since three years prior to the effective date of this permit.

d. Sampling Data. A summary of existing discharge sampling data describing pollutants in storm water discharges from the facility.

e. Risk Identification and Summary of Potential Pollutant Sources. A narrative description of the potential pollutant sources at the following areas: loading and unloading operations; outdoor storage activities; outdoor manufacturing or processing activities; significant dust or particulate generating processes; and on-site waste disposal practices. The description shall specifically list any significant potential source of pollutants at the site and for each potential source, any pollutant or pollutant parameter (e.g., biochemical oxygen demand) of concern shall be identified.

3. Measures and Controls. Each facility covered by this permit shall develop a description of storm water management controls appropriate for the facility, and implement such controls. The appropriateness and priorities of controls in a plan shall reflect identified potential sources of pollutants at the facility. The description of storm water management controls shall address the following minimum components, including a schedule for implementing such controls:

a. Good Housekeeping. Good housekeeping requires the maintenance of a clean, orderly facility.

b. Preventative Maintenance. A preventative maintenance program shall involve inspection and maintenance of storm water management devices (e.g., cleaning oil/water separators, catch basins) as well as inspecting and testing facility equipment and systems to uncover conditions that could cause breakdowns or failures resulting in discharges of pollutants to surface waters, and ensuring appropriate maintenance of such equipment and systems. All temporary and permanent control practices shall be maintained and repaired as needed to ensure continued performance of their intended function. All sediment control practices must be maintained in a functional condition until all up slope areas they control are permanently stabilized. The plan shall be designed to minimize maintenance requirements. The plan shall provide a description of maintenance procedures needed to ensure the continued performance of control practices.

c. Spill Prevention and Response Procedures. Areas where potential spills can occur, and their accompanying drainage points, shall be identified clearly in the storm water pollution prevention plan. Where appropriate, specifying material handling procedures, storage requirements, and use of equipment such as diversion valves in the plan should be considered. Procedures for cleaning up spills shall be identified in the plan and made available to the appropriate personnel. The necessary equipment to implement a cleanup should be available to personnel.

d. Inspections. In addition to or as part of the comprehensive site evaluation required under Part IV.E.4 of this permit, qualified facility personnel shall be identified to inspect sediment and erosion controls, designated equipment and areas of the facility at appropriate intervals specified in the plan. A set of tracking or follow-up procedures shall be used to ensure that appropriate actions are taken in response to the inspections. Records of inspections shall be maintained.

e. Employee Training. Employee training programs shall inform personnel at all levels of responsibility of the component and goals of the storm water pollution prevention plan. Training should address topics such as spill response, good housekeeping and material management practices. The plan shall identify periodic dates for such training.

f. Recordkeeping and Internal Reporting Procedures. A description of incidents such as spills, or other discharges, along with other information describing the quality and quantity of storm water discharges shall be included in the plan required under this part. Inspections and maintenance activities shall be documented and records of such activities shall be incorporated into the plan.

g. Non-Storm Water Discharges. The plan shall include a certification that the discharge has been tested or evaluated for the presence of non-storm water discharges. The certification shall include the identification of potential significant sources of non-storm water at the site, a description of the results of any test and/or evaluation for the presence of non-storm water discharges, the evaluation criteria of testing method used, the date of any testing and/or evaluation, and the on-site drainage points that were directly observed during the test. Such certification may not be feasible if the facility operating the storm water discharge associated with industrial activity does not have access to an outfall, manhole, or other point of access to the ultimate conduit that receives the discharge. In such cases, the source identification section of the storm water pollution prevention plan shall indicate why the certification required by this part was not feasible, along with the identification of potential significant sources of non-storm water at this site. Sources of wastewater authorized by this NPDES or another NPDES permit are legally authorized discharges and are not required to be addressed by the plan.

h. Sediment and Erosion Control. The plan shall contain a description of the controls to be implemented to meet the following objectives. You shall design, install and maintain effective erosion and sediment controls to minimize the discharge of pollutants.

i. At a minimum, such controls shall be designed, installed and maintained to:

a. Control storm water volume and velocity within the site to minimize soil erosion;

b. Control storm water discharges, including both peak flowrates and total storm water volume, to minimize erosion at outlets and to minimize downstream channel and streambank erosion;

c. Minimize the amount of soil exposed;

d. Minimize the disturbances of steep slopes;

e. Minimize sediment discharges from the site. The design, installation and maintenance of erosion and sediment controls shall address factors such as the amount, frequency, intensity and duration of precipitation, the nature of resulting storm water runoff, and soil characteristics, including the range of soil particle sizes expected to be present on the site;

f. If feasible, provide and maintain a 50-foot undisturbed natural buffer around surface waters of the state, direct storm water to vegetated areas to increase sediment removal and maximize storm water infiltration;

g. Minimize soil compaction and, unless infeasible, preserve topsoil; and

h. Sediment basins shall be designed to utilize outlet structures that withdraw water from the surface or designed to satisfy effluent limitations found within Part III of this permit.

ii. Soil Stabilization. The plan shall provide specifications for control practices to stabilize disturbed areas of the site. For disturbed areas of the site not draining to a sediment basin,

stabilization shall be initiated within seven days if the disturbed area will be dormant for more than 14 days.

iii. Dewatering. Discharges from dewatering activities, including discharges from dewatering of trenches and excavations, are prohibited unless managed by appropriate controls. The plan shall identify and describe controls for discharges from dewatering activities.

4. Comprehensive Site Compliance Evaluation. Qualified personnel shall conduct site compliance evaluations at appropriate intervals specified in the plan, but in no case less than once a year. Such evaluations shall provide:

a. Material handling areas and other potential sources of pollution identified in the plan in accordance with paragraph IV.E.2 of this permit shall be visually inspected for evidence of, or the potential for, pollutants entering the drainage system. Structural storm water management measures, sediment and control measures, and other structural pollution prevention measures identified in the plan shall be observed to ensure that they are operating correctly. A visual inspection of equipment shall be made.

b. Based on the results of the inspection, the description of potential pollutant sources identified in the plan in accordance with paragraph IV.E.2 of this permit and pollution prevention measures and controls identified in the plan in accordance with paragraph IV.E.3 of this permit shall be revised as appropriate within two weeks of such inspection and shall provide for implementation of any changes to the plan in a timely manner, but in no case more than twelve weeks after the inspection.

c. A report summarizing the scope of the inspection, personnel making the inspection, the date(s) of the inspection, major observations relating to the implementation of the storm water pollution prevention plan, and actions taken in accordance with paragraph IV.E.4.b of the permit shall be made and retained as part of the storm water pollution prevention plan for at least three years. The report shall be signed in accordance with Part V.D of this permit.

5. Additional requirements for storm water discharges through NPDES permitted municipal separate storm sewer systems. In addition to the applicable requirements of this permit, facilities covered by this permit must comply with applicable requirements in municipal storm water management programs developed under NPDES permits issued for the discharge of the municipal separate storm sewer system that received the facility's discharge, provided the discharger has been notified of such conditions.

6. Consistency with Other Plans. Storm water pollution prevention plans may reflect requirements for Spill Prevention Control and Countermeasure (SPCC) plans developed for the facility under Section 311 of the Act or Best Management Practices (BMP) Programs otherwise required by an NPDES permit for the facility as long as such requirement is incorporated, which can be by reference, into the storm water pollution prevention plan.

Part V. Monitoring and Reporting Requirements

A. Reporting and Recordkeeping

1. Annual Report. You shall complete an annual report that includes the findings from your Part IV.E.3 comprehensive site inspection and any corrective action documentation as required in Part IV.D.4. If corrective action is not yet completed at the time of completion of this annual report, you shall describe the status of any outstanding corrective action(s). In addition to the information required in Part IV.D.4 (Corrective Action Report) and Part IV.E.3 (Comprehensive Site Inspection Documentation), you shall include the following information with your annual report:
    a. Facility name
    b. Ohio EPA Facility permit number
    c. Facility physical address
    d. Contact person name, title, and phone number

    You shall complete this report using the Annual Reporting Form provided by Ohio EPA at the following: http://www.epa.gov/npdes/pubs/msgp2008_appendixi.pdf. You shall keep the annual report with your SWPPP.

B. Storm Water Monitoring Requirements

Reserved

Part VI. Definitions and Acronyms

Action Area – all areas to be affected directly or indirectly by the storm water discharges, allowable non-storm water discharges, and storm water discharge-related activities, and not merely the immediate area involved in these discharges and activities.

Best Management Practices (BMPs) – schedules of activities, practices (and prohibitions of practices), structures, vegetation, maintenance procedures, and other management practices to prevent or reduce the discharge of pollutants to surface waters of the State. BMPs also include treatment requirements, operating procedures, and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage. See 40 CFR 122.2.

Co-located Industrial Activities – Any industrial activities, excluding your primary industrial activity(ies), located on-site that are defined by the storm water regulations at 122.26(b)(14)(i)-(ix) and (xi). An activity at a facility is not considered co-located if the activity, when considered separately, does not meet the description of a category of industrial activity covered by the storm water regulations or identified by the SIC code list in Appendix D.

Control Measure – refers to any BMP or other method (including effluent limitations) used to prevent or reduce the discharge of pollutants to surface waters of the State.

Director – the Director of the Ohio Environmental Protection Agency (Ohio EPA).

Discharge – when used without qualification, means the "discharge of a pollutant." See 40 CFR 122.2.

Discharge of a pollutant – any addition of any “pollutant” or combination of pollutants to “surface waters of the State” from any “point source,” or any addition of any pollutant or combination of pollutants to the waters of the “contiguous zone” or the ocean from any point source other than a vessel or other floating craft which is being used as a means of transportation. This includes additions of pollutants into surface waters of the State from: surface runoff which is collected or channeled by man; discharges through pipes, sewers, or other conveyances, leading into privately owned treatment works. See 40 CFR 122.2.

Discharge-related activities – activities that cause, contribute to, or result in storm water and allowable non-storm water point source discharges, and measures such as the siting, construction and operation of BMPs to control, reduce, or prevent pollution in the discharges.

Drought-stricken area – a period of below average water content in streams, reservoirs, ground-water aquifers, lakes and soils.

U.S. EPA Approved or Established Total Maximum Daily Loads (TMDLs) – “U.S. EPA Approved TMDLs” are those that are developed by a State and approved by U.S. EPA. “U.S. EPA Established TMDLs” are those that are developed by U.S. EPA.

Existing Discharger – an operator applying for coverage under this permit for discharges authorized previously under an NPDES general or individual permit.

Facility or Activity – any NPDES “point source” (including land or appurtenances thereto) that is subject to regulation under the NPDES program. See 40 CFR 122.2.

Federal Facility – any buildings, installations, structures, land, public works, equipment, aircraft, vessels, and other vehicles and property, owned by, or constructed or manufactured for the purpose of leasing to, the federal government.

Illicit Discharge – is defined at 40 CFR 122.26(b)(2) and refers to any discharge to a municipal separate storm sewer that is not entirely composed of storm water, except discharges authorized under an NPDES permit (other than the NPDES permit for discharges from the MS4) and discharges resulting from fire fighting activities.

Impaired Water (or "Water Quality Impaired Water" or "Water Quality Limited Segment") – A water is impaired for purposes of this permit if it has been identified by a State or U.S. EPA pursuant to Section 303(d) of the Clean Water Act as not meeting applicable State water quality standards (these waters are called "water quality limited segments" under 40 CFR 30.2(j)). Impaired waters include both waters with approved or established TMDLs, and those for which a TMDL has not yet been approved or established.

Industrial Activity – the 10 categories of industrial activities included in the definition of "storm water discharges associated with industrial activity" as defined in 40 CFR 122.26(b)(14)(i)-(ix) and (xi).

Industrial Storm Water – storm water runoff from industrial activity.

Municipal Separate Storm Sewer – a conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains):

(i) Owned or operated by a State, city, town, borough, county, parish, district, association, or other public body (created by or pursuant to State law) having jurisdiction over disposal of sewage, industrial wastes, storm water, or other wastes, including special districts under State law such as a sewer district, flood control district or drainage district, or similar entity, or a designated and approved management agency under section 208 of the CWA that discharges to surface waters of the State;

(ii) Designed or used for collecting or conveying storm water;

(iii) Which is not a combined sewer; and

(iv) Which is not part of a Publicly Owned Treatment Works (POTW) as defined at 40 CFR 122.2. See 40 CFR 122.26(b)(4) and (b)(7).

New Discharger – a facility from which there is a discharge, that did not commence the discharge at a particular site prior to August 13, 1979, which is not a new source, and which has never received a finally effective NPDES permit for discharges at that site. See 40 CFR 122.2.

New Source – any building, structure, facility, or installation from which there is or may be a "discharge of pollutants," the construction of which commenced:

- after promulgation of standards of performance under section 306 of the CWA which are applicable to such source, or
- after proposal of standards of performance in accordance with section 306 of the CWA which are applicable to such source, but only if the standards are promulgated in accordance with section 306 within 120 days of their proposal. See 40 CFR 122.2.

New Source Performance Standards (NSPS) – technology-based standards for facilities that qualify as new sources under 40 CFR 122.2 and 40 CFR 122.29.

No exposure – all industrial materials or activities are protected by a storm-resistant shelter to prevent exposure to rain, snow, snowmelt, and/or runoff. See 40 CFR 122.26(g).

Ohio EPA – the Ohio Environmental Protection Agency.

Operator – any entity with a storm water discharge associated with industrial activity that meets either of the following two criteria:

(i) The entity has operational control over industrial activities, including the ability to modify those activities; or

(ii) The entity has day-to-day operational control of activities at a facility necessary to ensure compliance with the permit (e.g., the entity is authorized to direct workers at a facility to carry out activities required by the permit).

Person – an individual, association, partnership, corporation, municipality, State or Federal agency, or an agent or employee thereof. See 40 CFR 122.2.

Point source – any discernible, confined, and discrete conveyance, including but not limited to any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling stock, concentrated animal feeding operation, landfill leachate collection system, vessel, or other floating craft from which pollutants are or may be discharged. This term does not include return flows from irrigated agriculture or agricultural storm water runoff. See 40 CFR 122.2.

Pollutant – dredged spoil, solid waste, incinerator residue, filter backwash, sewage, garbage, sewage sludge, munitions, chemical wastes, biological materials, heat, wrecked or discarded equipment, rock, sand, cellar dirt, and industrial, municipal and agricultural waste discharged into water. See 40 CFR 122.2.

Pollutant of concern – A pollutant which causes or contributes to a violation of a water quality standard, including a pollutant which is identified as causing an impairment in a state's 303(d) list.

Primary industrial activity – includes any activities performed on-site which are (1) identified by the facility's primary SIC code; or (2) included in the narrative descriptions of 122.26(b)(14)(i), (iv), (v), or (vii), and (ix). [For co-located activities covered by multiple SIC codes, it is recommended that the primary industrial determination be based on the value of receipts or revenues or, if such information is not available for a particular facility, the number of employees or production rate for each process may be compared. The operation that generates the most revenue or employs the most personnel is the operation in which the facility is primarily engaged. In situations where the vast majority of on-site activity falls within one SIC code, that activity may be the primary industrial activity.] Narrative descriptions in 40 CFR 122.26(b)(14) identified above include: (i) activities subject to storm water effluent limitations guidelines, new source performance standards, or toxic pollutant effluent standards; (iv) hazardous waste treatment storage, or disposal facilities including those that are operating under interim status or a permit under subtitle C of the Resource Conservation and Recovery Act (RCRA); (v) landfills, land application sites and open dumps that receive or have received industrial wastes; (vii) steam electric power generating facilities; and (ix) sewage treatment works with a design flow of 1.0 mgd or more.

Qualified Personnel – Qualified personnel are those who possess the knowledge and skills to assess conditions and activities that could impact storm water quality at your facility, and who can also evaluate the effectiveness of control measures.

Reportable Quantity Release – a release of a hazardous substance at or above the established legal threshold that requires emergency notification. Refer to 40 CFR Parts 110, 117, and 302 for complete definitions and reportable quantities for which notification is required.

Runoff coefficient – the fraction of total rainfall that will appear at the conveyance as runoff. See 40 CFR 122.26(b)(11).

Semi-Arid Climate – areas where annual rainfall averages from 10 to 20 inches.

Significant materials – includes, but is not limited to: raw materials; fuels; materials such as solvents, detergents, and plastic pellets; finished materials such as metallic products; raw materials used in food processing or production; hazardous substances designated under section 101(14) of CERCLA; any chemical the facility is required to report pursuant to section 313 of Title III of SARA; fertilizers; pesticides; and waste products such as ashes, slag and sludge that have the potential to be released with storm water discharges. See 40 CFR 122.26(b)(12).

Special Aquatic Sites – sites identified in 40 CFR 230 Subpart E. These are geographic areas, large or small, possessing special ecological characteristics of productivity, habitat, wildlife protection, or other important and easily disrupted ecological values. These areas are generally recognized as significantly influencing or positively contributing to the general overall environmental health or vitality of the entire ecosystem of a region.

Storm Water – storm water runoff, snow melt runoff, and surface runoff and drainage. See 40 CFR 122.26(b)(13).

Storm Water Discharges Associated with Construction Activity – a discharge of pollutants in storm water runoff from areas where soil disturbing activities (e.g., clearing, grading, or excavating), construction materials, or equipment storage or maintenance (e.g., fill piles, borrow areas, concrete truck washout, fueling), or other industrial storm water directly related to the construction process (e.g., concrete or asphalt batch plants) are located. See 40 CFR 122.26(b)(14)(x) and 40 CFR 122.26(b)(15).

Storm Water Discharges Associated with Industrial Activity – the discharge from any conveyance that is used for collecting and conveying storm water and that is directly related to manufacturing, processing or raw materials storage areas at an industrial plant. The term does not include discharges from facilities or activities excluded from the NPDES program under Part 122. For the categories of industries identified in this section, the term includes, but is not limited to, storm water discharges from industrial plant yards; immediate access roads and rail lines used or traveled by carriers of raw materials, manufactured products, waste material, or by-products used or created by the facility; material handling sites; refuse sites; sites used for the application or disposal of process waste waters (as defined at part 401 of this chapter); sites used for the storage and maintenance of material handling equipment; sites used for residual treatment, storage, or disposal; shipping and receiving areas; manufacturing buildings; storage areas (including tank farms) for raw materials, and intermediate and final products; and areas where industrial activity has taken place in the past and significant materials remain and are exposed to storm water. For the purposes of this paragraph, material handling activities include storage, loading and unloading, transportation, or conveyance of any raw material, intermediate product, final product, by-product or waste product. The term excludes areas located on plant lands separate from the plant's industrial activities, such as office buildings and accompanying parking lots as long as the drainage from the excluded areas is not mixed with storm water drained from the above described areas. Industrial facilities include those that are federally, State, or municipally owned or operated that meet the description of the facilities listed in 40 CFR 122.26(b)(14).

Surface Waters of the State - Means all streams, lakes, ponds, marshes, watercourses, waterways, springs,

irrigation systems, drainage systems, and all other bodies or accumulations of surface water, natural or artificial, which are situated wholly or partly within, or border upon, this state, or are within its jurisdiction, except those private waters which do not combine or effect a junction with natural surface waters.

Total Maximum Daily Loads (TMDLs) – A TMDL is a calculation of the maximum amount of a pollutant that a waterbody can receive and still meet water quality standards, and an allocation of that amount to the pollutant's sources. A TMDL includes wasteload allocations (WLAs) for point source discharges; load allocations (LAs) for nonpoint sources and/or natural background, and shall include a margin of safety (MOS) and account for seasonal variations. (See section 303(d) of the Clean Water Act and 40 CFR 130.2 and 130.7).

Water Quality Impaired – See 'Impaired Water'.

Water Quality Standards – A water quality standard defines the water quality goals of a water body, or portion thereof, by designating the use or uses to be made of the water and by setting criteria necessary to protect the uses. States and U.S. EPA adopt water quality standards to protect public health or welfare, enhance the quality of water and serve the purposes of the Clean Water Act (See CWA sections 101(a)2 and 303(c)). Water quality standards also include an antidegradation policy. See P.U.D. o. 1 of Jefferson County et al v. Wash Dept of Ecology et al, 511 US 701, 705 (1994).

"You" and "Your" – as used in this permit are intended to refer to the permittee, the operator, or the discharger as the context indicates and that party's facility or responsibilities. The use of "you" and "your" refers to a particular facility and not to all facilities operated by a particular entity. For example, "you shall submit" means the permittee shall submit something for that particular facility. Likewise, "all your discharges" would refer only to discharges at that one facility.

ABBREVIATIONS AND ACRONYMS

BAT – Best Available Technology Economically Achievable

BOD5 – Biochemical Oxygen Demand (5-day test)

BMP – Best Management Practice

BPJ – Best Professional Judgment

BPT – Best Practicable Control Technology Currently Available

CERCLA – Comprehensive Environmental Response, Compensation and Liability Act

CGP – Construction General Permit

COD – Chemical Oxygen Demand

CWA – Clean Water Act (or the Federal Water Pollution Control Act, 33 U.S.C. §1251 *et seq*)

CWT – Centralized Waste Treatment

DMR – Discharge Monitoring Report

U.S. EPA – U. S. Environmental Protection Agency

FWS – U. S. Fish and Wildlife Service

LA – Load Allocations

MDMR – MSGP Discharge Monitoring Report

MGD – Million Gallons per Day

MOS – Margin of Safety

MS4 – Municipal Separate Storm Sewer System

MSDS – Material Safety Data Sheet

MSGP – Multi-Sector General Permit

NAICS – North American Industry Classification System

NMFS – U. S. National Marine Fisheries Service

NOI – Notice of Intent

NOT – Notice of Termination

NPDES – National Pollutant Discharge Elimination System

NRC – National Response Center

NTU – Nephelometric Turbidity Unit

OMB – U. S. Office of Management and Budget

ORW – Outstanding Resource Water

OSM – U. S. Office of Surface Mining

POTW – Publicly Owned Treatment Works

RCRA – Resource Conservation and Recovery Act

RQ – Reportable Quantity

SARA – Superfund Amendments and Reauthorization Act

SIC – Standard Industrial Classification

SMCRA – Surface Mining Control and Reclamation Act

SPCC – Spill Prevention, Control, and Countermeasures

SWPPP – Storm Water Pollution Prevention Plan

TMDL – Total Maximum Daily Load

TSDF – Treatment, Storage, or Disposal Facility

TSS – Total Suspended Solids

USGS – United States Geological Survey

WLA – Wasteload Allocation

WQS – Water Quality Standard