COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

AUTHORIZATION TO DISCHARGE UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM DISCHARGE REQUIREMENTS FOR INDUSTRIAL WASTEWATER FACILITIES

NPDES PERMIT NO: PA0005037
Amendment No. 1

In compliance with the provisions of the Clean Water Act, 33 U.S.C. Section 1251 *et seq.* ("the Act") and Pennsylvania's Clean Streams Law, as amended, 35 P.S. Section 691.1 *et seq.*,

EME Homer City Generation L.P.
1750 Power Plant Road
Homer City, PA 15748-8009

is authorized to discharge from a facility known as **Homer City Generating Station**, located in **Center Township, Indiana County**, to **Cherry Run, Unnamed Tributaries of Two Lick Creek, Two Lick Creek, Unnamed Tributary to Muddy Run, Unnamed Tributaries of Blacklick Creek, Blacklick Creek** in Watershed(s) **18-D** in accordance with effluent limitations, monitoring requirements and other conditions set forth in Parts A, B and C hereof.

THIS PERMIT SHALL BECOME EFFECTIVE ON July 26, 2012

THIS PERMIT SHALL EXPIRE AT MIDNIGHT ON July 31, 2012

The authority granted by this permit is subject to the following further qualifications:

1. If there is a conflict between the application, its supporting documents and/or amendments and the terms and conditions of this permit, the terms and conditions shall apply.

2. Failure to comply with the terms, conditions or effluent limitations of this permit is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. (40 CFR 122.41(a))

3. A complete application for renewal of this permit, or notice of intent to cease discharging by the expiration date, must be submitted to DEP at least 180 days prior to the above expiration date (unless permission has been granted by DEP for submission at a later date), using the appropriate NPDES permit application form. (40 CFR 122.41(b), 122.21(d)(2))

   In the event that a timely and complete application for renewal has been submitted and DEP is unable, through no fault of the permittee, to reissue the permit before the above expiration date, the terms and conditions of this permit, including submission of the Discharge Monitoring Reports (DMRs), will be automatically continued and will remain fully effective and enforceable against the discharger until DEP takes final action on the pending permit application. (25 Pa. Code 92a.7 (b), (c))

4. This NPDES permit does not constitute authorization to construct or make modifications to wastewater treatment facilities necessary to meet the terms and conditions of this permit.

DATE PERMIT ISSUED July 26, 2012

DATE PERMIT AMENDMENT ISSUED July 26, 2012

ISSUED BY /s/
Samuel C. Harper
Clean Water Program Manager
Southwest Regional Office

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. A. For Internal Outfall 126

Discharging to Unnamed Tributary of Two Lick Creek via Outfall 026

which receives wastewater from overflow from unit #1 cooling tower

1. The permittee is authorized to discharge during the period from Permit Amendment Effective Date through Permit Expiration Date.

2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX	2/discharge	Measured
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	2/discharge	Grab
Free Available Chlorine	XXX	XXX	XXX	0.2	0.5	XXX	2/discharge	Grab
Temperature (ºF) Jan 1 – 31	XXX	XXX	XXX	XXX	77.5	XXX	2/discharge	I-S
Temperature (ºF) Feb 1 – 29	XXX	XXX	XXX	XXX	74.6	XXX	2/discharge	I-S
Temperature (ºF) Mar 1 – Jun 15	XXX	XXX	XXX	XXX	110	XXX	2/discharge	I-S
Temperature (ºF) Jun 16 – 30	XXX	XXX	XXX	XXX	97	XXX	2/discharge	I-S
Temperature (ºF) Jul 1-31	XXX	XXX	XXX	XXX	82.3	XXX	2/discharge	I-S
Temperature (ºF) Aug 1 – 15	XXX	XXX	XXX	XXX	106.9	XXX	2/discharge	I-S

Internal Outfall 126, Continued (from Permit Amendment Effective Date through Permit Expiration Date)

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Temperature (ºF) Aug 16 – Oct 15	XXX	XXX	XXX	XXX	110	XXX	2/discharge	I-S
Temperature (ºF) Oct 16 – 31	XXX	XXX	XXX	XXX	101.6	XXX	2/discharge	I-S
Temperature (ºF) Nov 1 – 15	XXX	XXX	XXX	XXX	101.8	XXX	2/discharge	I-S
Temperature (ºF) Nov 16 – 30	XXX	XXX	XXX	XXX	85.8	XXX	2/discharge	I-S
Temperature (ºF) Dec 1 – 31	XXX	XXX	XXX	XXX	74.5	XXX	2/discharge	I-S
Total Chromium	XXX	XXX	XXX	0.2	0.2	XXX	2/discharge	Grab
Total Zinc	XXX	XXX	XXX	1.0	1.0	XXX	2/discharge	Grab
Total Aluminum	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Iron	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Manganese	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Dissolved Solids	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

at the overflow from the clarifier.

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. B. For Internal Outfall 226 **,**

Discharging to Unnamed Tributary of Two Lick Creek via Outfall 026

which receives wastewater from overflow from unit #2 cooling tower

1. The permittee is authorized to discharge during the period from Permit Amendment Effective Date through Permit Expiration Date.

2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX	2/discharge	Measured
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	2/discharge	Grab
Free Available Chlorine	XXX	XXX	XXX	0.2	0.5	XXX	2/discharge	Grab
Temperature (ºF) Jan 1 – 31	XXX	XXX	XXX	XXX	77.5	XXX	2/discharge	I-S
Temperature (ºF) Feb 1 – 29	XXX	XXX	XXX	XXX	74.6	XXX	2/discharge	I-S
Temperature (ºF) Mar 1 – Jun 15	XXX	XXX	XXX	XXX	110	XXX	2/discharge	I-S
Temperature (ºF) Jun 16 – 30	XXX	XXX	XXX	XXX	97	XXX	2/discharge	I-S
Temperature (ºF) Jul 1-31	XXX	XXX	XXX	XXX	82.3	XXX	2/discharge	I-S
Temperature (ºF) Aug 1 – 15	XXX	XXX	XXX	XXX	106.9	XXX	2/discharge	I-S

Internal Outfall 226, Continued (from Permit Amendment Effective Date through Permit Expiration Date)

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Temperature (ºF) Aug 16 – Oct 15	XXX	XXX	XXX	XXX	110	XXX	2/discharge	I-S
Temperature (ºF) Oct 16 – 31	XXX	XXX	XXX	XXX	101.6	XXX	2/discharge	I-S
Temperature (ºF) Nov 1 – 15	XXX	XXX	XXX	XXX	101.8	XXX	2/discharge	I-S
Temperature (ºF) Nov 16 – 30	XXX	XXX	XXX	XXX	85.8	XXX	2/discharge	I-S
Temperature (ºF) Dec 1 – 31	XXX	XXX	XXX	XXX	74.5	XXX	2/discharge	I-S
Total Chromium	XXX	XXX	XXX	0.2	0.2	XXX	2/discharge	Grab
Total Zinc	XXX	XXX	XXX	1.0	1.0	XXX	2/discharge	Grab
Total Aluminum	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Iron	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Manganese	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Dissolved Solids	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

at the overflow from the clarifier.

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. C. For Outfall 001 **, Latitude** 40° 30’ 40.00” **, Longitude** 79° 11’ 00.00” **, River Mile Index** 3.23 **, Stream Code** 44073

Discharging to Two Lick Creek

which receives wastewater from cooling tower blowdown from towers 1, 2, and 3

1. The permittee is authorized to discharge during the period from Permit Amendment Effective Date through three years after Permit Amendment Effective Date.

2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD) Jan 1 – Mar 31	XXX	4.08	XXX	XXX	XXX	XXX	Continuous	Recorded
Flow (MGD) Apr 1 – Jun 30	XXX	2.97	XXX	XXX	XXX	XXX	Continuous	Recorded
Flow (MGD) Jul 1 – Jul 31	XXX	1.69	XXX	XXX	XXX	XXX	Continuous	Recorded
Flow (MGD) Aug 1 – Nov 30	XXX	2.97	XXX	XXX	XXX	XXX	Continuous	Recorded
Flow (MGD) Dec 1 – 31	XXX	3.46	XXX	XXX	XXX	XXX	Continuous	Recorded
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	1/week	Grab
Free Available Chlorine	XXX	XXX	XXX	0.2	0.5	XXX	2/year*	Grab
Temperature (ºF) Jan 1 – 31	XXX	XXX	XXX	XXX	77.5	XXX	1/week	I-S
Temperature (ºF) Feb 1 – 29	XXX	XXX	XXX	XXX	74.6	XXX	1/week	I-S
Temperature (ºF) Mar 1 – Jun 15	XXX	XXX	XXX	XXX	110	XXX	1/week	I-S
Temperature (ºF) Jun 16 – 30	XXX	XXX	XXX	XXX	97	XXX	1/week	I-S
Temperature (ºF) Jul 1 – 31	XXX	XXX	XXX	XXX	82.3	XXX	1/week	I-S

Outfall 001, Continued (from Permit Amendment Effective Date through three years after Permit Amendment Effective Date)

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Temperature (ºF) Aug 1 – 15	XXX	XXX	XXX	XXX	106.9	XXX	1/week	I-S
Temperature (ºF) Aug 16 – Oct 15	XXX	XXX	XXX	XXX	110	XXX	1/week	I-S
Temperature (ºF) Oct 16 – 31	XXX	XXX	XXX	XXX	101.6	XXX	1/week	I-S
Temperature (ºF) Nov 1 – 15	XXX	XXX	XXX	XXX	101.8	XXX	1/week	I-S
Temperature (ºF) Nov 16 – 30	XXX	XXX	XXX	XXX	85.8	XXX	1/week	I-S
Temperature (ºF) Dec 1 – 31	XXX	XXX	XXX	XXX	74.5	XXX	1/week	I-S
Total Chromium	XXX	XXX	XXX	0.2	0.2	XXX	2/year*	24-Hr Composite
Total Zinc	XXX	XXX	XXX	1.0	1.0	XXX	2/year*	24-Hr Composite
Total Dissolved Solids	XXX	XXX	XXX	Report	Report	XXX	1/week	24-Hr Composite
Total Aluminum	XXX	XXX	XXX	Report	Report	XXX	1/week	24-Hr Composite
Total Iron	XXX	XXX	XXX	Report	Report	XXX	1/week	24-Hr Composite
Total Manganese	XXX	XXX	XXX	Report	Report	XXX	1/week	24-Hr Composite
Total Mercury**	XXX	XXX	XXX	Report	Report	XXX	2/month	24-Hr Composite
Total Silver**	XXX	XXX	XXX	Report	Report	XXX	2/month	24-Hr Composite

*Samples must be taken during the same calendar month.
**See Part C, Condition No. 25

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

at the discharge pipe.

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. D. For Outfall 001 **, Latitude** 40° 30’ 40.00” **, Longitude** 79° 11’ 00.00” **, River Mile Index** 3.23 **, Stream Code** 44073

Discharging to Two Lick Creek

which receives wastewater from cooling tower blowdown from towers 1, 2, and 3

1. The permittee is authorized to discharge during the period from three years after Permit Amendment Effective Date through Permit Renewal Effective Date.

2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD) Jan 1 – Mar 31	XXX	4.08	XXX	XXX	XXX	XXX	Continuous	Recorded
Flow (MGD) Apr 1 – Jun 30	XXX	2.97	XXX	XXX	XXX	XXX	Continuous	Recorded
Flow (MGD) Jul 1 – Jul 31	XXX	1.69	XXX	XXX	XXX	XXX	Continuous	Recorded
Flow (MGD) Aug 1 – Nov 30	XXX	2.97	XXX	XXX	XXX	XXX	Continuous	Recorded
Flow (MGD) Dec 1 – 31	XXX	3.46	XXX	XXX	XXX	XXX	Continuous	Recorded
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	1/week	Grab
Free Available Chlorine	XXX	XXX	XXX	0.2	0.5	XXX	2/year*	Grab
Temperature (ºF) Jan 1 – 31	XXX	XXX	XXX	XXX	77.5	XXX	1/week	I-S
Temperature (ºF) Feb 1 – 29	XXX	XXX	XXX	XXX	74.6	XXX	1/week	I-S
Temperature (ºF) Mar 1 – Jun 15	XXX	XXX	XXX	XXX	110	XXX	1/week	I-S
Temperature (ºF) Jun 16 – 30	XXX	XXX	XXX	XXX	97	XXX	1/week	I-S
Temperature (ºF) Jul 1 – 31	XXX	XXX	XXX	XXX	82.3	XXX	1/week	I-S

Outfall 001, Continued (from Permit Amendment Effective Date through three years after Permit Amendment Effective Date)

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Temperature (ºF) Aug 1 – 15	XXX	XXX	XXX	XXX	106.9	XXX	1/week	I-S
Temperature (ºF) Aug 16 – Oct 15	XXX	XXX	XXX	XXX	110	XXX	1/week	I-S
Temperature (ºF) Oct 16 – 31	XXX	XXX	XXX	XXX	101.6	XXX	1/week	I-S
Temperature (ºF) Nov 1 – 15	XXX	XXX	XXX	XXX	101.8	XXX	1/week	I-S
Temperature (ºF) Nov 16 – 30	XXX	XXX	XXX	XXX	85.8	XXX	1/week	I-S
Temperature (ºF) Dec 1 – 31	XXX	XXX	XXX	XXX	74.5	XXX	1/week	I-S
Total Chromium	XXX	XXX	XXX	0.2	0.2	XXX	2/year*	24-Hr Composite
Total Zinc	XXX	XXX	XXX	1.0	1.0	XXX	2/year*	24-Hr Composite
Total Dissolved Solids	XXX	XXX	XXX	Report	Report	XXX	1/week	24-Hr Composite
Total Aluminum***	XXX	XXX	XXX	0.48	0.75	XXX	1/week	24-Hr Composite
Total Iron***	XXX	XXX	XXX	1.50	2.34	XXX	1/week	24-Hr Composite
Total Manganese***	XXX	XXX	XXX	0.64	1.00	XXX	1/week	24-Hr Composite
Total Mercury**	XXX	XXX	XXX	Report	Report	XXX	2/month	24-Hr Composite
Total Silver**	XXX	XXX	XXX	Report	Report	XXX	2/month	24-Hr Composite

*Samples must be taken during the same calendar month.
**See Part C, Condition No. 25
***See Part C, Condition No. 24

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

at the discharge pipe.

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. E. For Outfall 002 **, Latitude** 40° 30’ 45.00” **, Longitude** 79° 11’ 00.00” **, River Mile Index** 3.24 **, Stream Code** 44073

Discharging to Two Lick Creek

which receives wastewater from intake screen backwash water

1. The permittee is authorized to discharge during the period from Permit Effective Date through Permit Expiration Date.

2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX	1/week	Estimate

Debris collected on the intake rack shall not be returned to the waterway.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

at Outfall 002

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. F. **For Outfall** 003 , **Latitude** 40° 30’ 50.00” , **Longitude** 79° 11’ 50.00” , **River Mile Index** 0.77 , **Stream Code** 44075

Discharging to Unnamed Tributary of Two Lick Creek

which receives wastewater from Industrial Waste Treatment (Coal pile desilting basins, roof drains, parking lot drains, water treatment plant wastes, units 1, 2 and 3 tower drains)

1. The permittee is authorized to discharge during the period from Permit Effective Date through Permit Expiration Date.

2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX	Continuous	Recorded
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	1/week	Grab
Temperature (ºF)	XXX	XXX	XXX	XXX	110	XXX	1/week	I-S
Total Suspended Solids	XXX	XXX	XXX	30	100	XXX	1/week	24-Hr Composite
Oil and Grease	XXX	XXX	XXX	15	20	30	1/week	3 Grabs/24 Hours

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

at the discharge from the sand filters.

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. G. For Outfall 004 **, Latitude** 40° 31’ 10.00” **, Longitude** 79° 12’ 04.00” **, River Mile Index** 0.67 **, Stream Code** 44071

Discharging to Unnamed Tributary of Blacklick Creek

which receives wastewater from coal combustion waste landfill leachate wastewater treatment facility (leachate collection, surge pond effluent, and area storm water runoff)

1. The permittee is authorized to discharge during the period from Permit Amendment Effective Date through three years after Permit Amendment Effective Date.

2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	0.32	Report	XXX	XXX	XXX	XXX	Continuous	Recorded
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	1/week	Grab
Total Suspended Solids	XXX	XXX	XXX	30	100	XXX	1/week	24-Hr Composite
Total Dissolved Solids	XXX	XXX	XXX	Report	Report	XXX	1/week	24-Hr Composite
Oil and Grease	XXX	XXX	XXX	15	20	30	1/week	3 Grabs/24 Hours
Total Aluminum	XXX	XXX	XXX	Report	Report	XXX	1/week	24-Hr Composite
Total Arsenic	XXX	XXX	XXX	Report	Report	XXX	1/week	24-Hr Composite
Total Boron	XXX	XXX	XXX	Report	Report	XXX	1/week	24-Hr Composite
Total Cadmium	XXX	XXX	XXX	Report	Report	XXX	1/week	24-Hr Composite

Outfall 004, Continued (from Permit Amendment Effective Date through three years after Permit Amendment Effective Date)

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Dissolved Iron	XXX	XXX	XXX	2.0	4.0	XXX	1/week	24-Hr Composite
Total Iron	XXX	XXX	XXX	Report	Report	XXX	1/week	24-Hr Composite
Total Manganese	XXX	XXX	XXX	2.0	4.0	XXX	1/week	24-Hr Composite
Total Nickel	XXX	XXX	XXX	Report	Report	XXX	1/week	24-Hr Composite
Total Thallium	XXX	XXX	XXX	Report	Report	XXX	1/week	24-Hr Composite
Hexavalent Chromium*	XXX	XXX	XXX	Report	Report	XXX	1/week	24-Hr Composite
Free Available Cyanide*	XXX	XXX	XXX	Report	Report	XXX	1/week	24-Hr Composite
Total Lead*	XXX	XXX	XXX	Report	Report	XXX	1/week	24-Hr Composite
Total Mercury*	XXX	XXX	XXX	Report	Report	XXX	1/week	24-Hr Composite
Total Selenium*	XXX	XXX	XXX	Report	Report	XXX	1/week	24-Hr Composite
Total Silver*	XXX	XXX	XXX	Report	Report	XXX	1/week	24-Hr Composite

*See Part C, Condition No. 25

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

at overflow from settling pond No. 3.

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. H. For Outfall 004 **, Latitude** 40° 31’ 10.00” **, Longitude** 79° 12’ 04.00” **, River Mile Index** 0.67 **, Stream Code** 44071

Discharging to Unnamed Tributary of Blacklick Creek

which receives wastewater from coal combustion waste landfill leachate wastewater treatment facility (leachate collection, surge pond effluent, and area storm water runoff

1. The permittee is authorized to discharge during the period from three years after Permit Amendment Effective Date through Permit Renewal Effective Date.

2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	0.32	Report	XXX	XXX	XXX	XXX	Continuous	Recorded
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	1/week	Grab
Total Suspended Solids	XXX	XXX	XXX	30	100	XXX	1/week	24-Hr Composite
Total Dissolved Solids	XXX	XXX	XXX	Report	Report	XXX	1/week	24-Hr Composite
Oil and Grease	XXX	XXX	XXX	15	20	30	1/week	3 Grabs/24 Hours
Total Aluminum**	XXX	XXX	XXX	0.48	0.75	XXX	1/week	24-Hr Composite
Total Arsenic*	XXX	XXX	XXX	0.010	0.016	XXX	1/week	24-Hr Composite
Total Boron*	XXX	XXX	XXX	1.60	2.49	XXX	1/week	24-Hr Composite
Total Cadmium*	XXX	XXX	XXX	0.00025	0.00040	XXX	1/week	24-Hr Composite

Outfall 004, Continued (from three years after Permit Amendment Effective Date through Permit Renewal Effective Date)

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Dissolved Iron*	XXX	XXX	XXX	0.19	0.30	XXX	1/week	24-Hr Composite
Total Iron**	XXX	XXX	XXX	1.50	2.34	XXX	1/week	24-Hr Composite
Total Manganese**	XXX	XXX	XXX	0.64	1.00	XXX	1/week	24-Hr Composite
Total Nickel*	XXX	XXX	XXX	0.052	0.080	XXX	1/week	24-Hr Composite
Total Thallium*	XXX	XXX	XXX	0.00024	0.00038	XXX	1/week	24-Hr Composite
Hexavalent Chromium***	XXX	XXX	XXX	Report	Report	XXX	1/week	24-Hr Composite
Free Available Cyanide***	XXX	XXX	XXX	Report	Report	XXX	1/week	24-Hr Composite
Total Lead***	XXX	XXX	XXX	Report	Report	XXX	1/week	24-Hr Composite
Total Mercury***	XXX	XXX	XXX	Report	Report	XXX	1/week	24-Hr Composite
Total Selenium***	XXX	XXX	XXX	Report	Report	XXX	1/week	24-Hr Composite
Total Silver***	XXX	XXX	XXX	Report	Report	XXX	1/week	24-Hr Composite

*See Part C, Condition No. 22 – Toxics Reduction Evaluation
**See Part C, Condition No. 24
***See Part C, Condition No. 25

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

at overflow from settling pond No. 3.

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. I. For Outfall 005 **, Latitude** 40° 30’ 51.00” **, Longitude** 79° 11’ 56.00” **, River Mile Index** 1.20 **, Stream Code** 44076

Discharging to Unnamed Tributary of Two Lick Creek

which receives wastewater from ash recycle clearwell overflow handling ash transport water, sludges from various clarifiers, west side yard drainage and ash silo wash water

1. The permittee is authorized to discharge during the period from Permit Effective Date through Permit Expiration Date.

2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX	Continuous	Recorded
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	1/week	Grab
Total Suspended Solids	XXX	XXX	XXX	30	100	XXX	1/week	24-Hr Composite
Oil and Grease	XXX	XXX	XXX	15	20	30	1/week	3 Grabs/24 Hours

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

at the structure on the west side of the ash recycle clearwell

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. J. For Outfall 007 **, Latitude** 40° 30’ 57.00” **, Longitude** 79° 11’ 37.00” **, River Mile Index** 0.85 **, Stream Code** 44075

Discharging to Unnamed Tributary of Two Lick Creek

which receives wastewater from Units 1 and 2 sewage treat plant effluent

1. The permittee is authorized to discharge during the period from Permit Effective Date through Permit Expiration Date.

2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	0.015	Report	XXX	XXX	XXX	XXX	Continuous	Recorded
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	2/month	Grab
Dissolved Oxygen	XXX	XXX	5.0	XXX	XXX	XXX	2/month	Grab
Total Residual Chlorine	XXX	XXX	XXX	1.4	XXX	3.3	2/month	Grab
CBOD5	XXX	XXX	XXX	25	XXX	50	2/month	24-Hr Composite
Total Suspended Solids	XXX	XXX	XXX	30	XXX	60	2/month	24-Hr Composite
Fecal Coliform (CFU/100 ml) May 1 - Sep 30	XXX	XXX	XXX	200 Geo Mean	XXX	1,000	2/month	Grab
Fecal Coliform (CFU/100 ml) Oct 1 - Apr 30	XXX	XXX	XXX	2,000 Geo Mean	XXX	XXX	2/month	Grab

See Part C, Condition No. 6

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

at the overflow from the chlorine contact tank prior to mixing with any other water.

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. K. For Outfall 008 **, Latitude** 40° 30’ 40.00” **, Longitude** 79° 11’ 49.00” **, River Mile Index** 0.77 **, Stream Code** 44076

Discharging to Unnamed Tributary to Two Lick Creek

which receives wastewater from Unit 3 sewage treatment plant effluent

1. The permittee is authorized to discharge during the period from Permit Effective Date through Permit Expiration Date.

2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	0.016	Report	XXX	XXX	XXX	XXX	Continuous	Recorded
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	2/month	Grab
Dissolved Oxygen	XXX	XXX	5.0	XXX	XXX	XXX	2/month	Grab
Total Residual Chlorine	XXX	XXX	XXX	1.4	XXX	3.3	2/month	Grab
CBOD5	XXX	XXX	XXX	25	XXX	50	2/month	24-Hr Composite
Total Suspended Solids	XXX	XXX	XXX	30	XXX	60	2/month	24-Hr Composite
Fecal Coliform (CFU/100 ml) May 1 - Sep 30	XXX	XXX	XXX	200 Geo Mean	XXX	1,000	2/month	Grab
Fecal Coliform (CFU/100 ml) Oct 1 - Apr 30	XXX	XXX	XXX	2,000 Geo Mean	XXX	XXX	2/month	Grab

See Part C, Condition No. 6

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

at the overflow from the chlorine contact tank prior to mixing with any other water.

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. L. For Outfall 011 **, Latitude** 40° 30’ 58.00” **, Longitude** 79° 12’ 04.00” **, River Mile Index** 1.3 **, Stream Code** 44076

Discharging to Unnamed Tributary of Two Lick Creek

which receives wastewater from coal pile desilting basin #1 overflow from 10-year, 24 hour storm

1. The permittee is authorized to discharge during the period from Permit Effective Date through Permit Expiration Date.

2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX	1/discharge	Estimate
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	2/discharge	Grab

See Part C, Condition No. 9 regarding design requirements for 10-year, 24-hour storm water bypass systems.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

at the overflow from the coal pile desilting basin #1

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. M. For Outfall 012 **, Latitude** 40° 30’ 56.00” **, Longitude** 79° 11’ 59.00” **, River Mile Index** 1.24 **, Stream Code** 44076

Discharging to Unnamed Tributary of Two Lick Creek

which receives wastewater from coal pile desilting basin #2 overflow from 10 year-24 hour storm

1. The permittee is authorized to discharge during the period from Permit Effective Date through Permit Expiration Date.

2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX	1/discharge	Estimate
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	2/discharge	Grab

See Part C, Condition No. 9 regarding design requirements for 10-year, 24-hour storm water bypass systems.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

at the overflow from coal pile desilting basin #2.

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. N. **For Outfall** 013 , **Latitude** 40° 31' 5.00" , **Longitude** 79° 12' 46.00" , **River Mile Index** 0.67 , **Stream Code** 44071

Discharging to Unnamed Tributary of Blacklick Creek

which receives wastewater from coal combustion waste landfill storm water runoff diversion ditch and Internal Outfalls 020 and 113 – 913

1. The permittee is authorized to discharge during the period from Permit Amendment Effective Date through three years after Permit Amendment Effective Date.

2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX	1/week	Measured
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	1/week	Grab
Total Dissolved Solids	XXX	XXX	XXX	Report	Report	XXX	1/week	Grab
Total Aluminum	XXX	XXX	XXX	Report	Report	XXX	1/week	Grab
Total Iron	XXX	XXX	XXX	Report	Report	XXX	1/week	Grab
Total Manganese	XXX	XXX	XXX	Report	Report	XXX	1/week	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

at the discharge location prior to mixing with any other water.

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. O. For Outfall 013 **, Latitude** 40° 31’ 5.00” **, Longitude** 79° 12’ 46.00” **, River Mile Index** 0.67 **, Stream Code** 44071

Discharging to Unnamed Tributary of Blacklick Creek

which receives wastewater from coal combustion waste landfill storm water runoff diversion ditch and Internal Outfalls 020 and 113 – 913

1. The permittee is authorized to discharge during the period from three years after Permit Amendment Effective Date through Permit Renewal Effective Date.

2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Average Monthly	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX	1/week	Measured
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	1/week	Grab
Total Dissolved Solids	XXX	XXX	XXX	Report	Report	XXX	1/week	Grab
Total Aluminum*	XXX	XXX	XXX	0.48	0.75	XXX	1/week	Grab
Total Iron*	XXX	XXX	XXX	1.50	2.34	XXX	1/week	Grab
Total Manganese*	XXX	XXX	XXX	0.64	1.00	XXX	1/week	Grab

*See Part C, Condition No. 24

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

at the discharge location prior to mixing with any other water.

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. P. For Internal Outfall 020

Discharging to Unnamed Tributary of Blacklick Creek via Outfall 013

which receives wastewater from ash site surge pond 10-year, 24-hour storm water emergency overflow

1. The permittee is authorized to discharge during the period from Permit Amendment Effective Date through three years after Permit Amendment Effective Date.

2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX	2/discharge	Measured
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	2/discharge	Grab
Total Suspended Solids	XXX	XXX	XXX	30	100	XXX	2/discharge	Grab
Total Dissolved Solids	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Oil and Grease	XXX	XXX	XXX	15	20	30	2/discharge	Grab
Total Aluminum	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Arsenic	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Boron	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Cadmium	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab

Internal Outfall 020, Continued (from Permit Amendment Effective Date through three years after Permit Amendment Effective Date)

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Dissolved Iron	XXX	XXX	XXX	2.0	4.0	XXX	2/discharge	Grab
Total Iron	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Manganese	XXX	XXX	XXX	2.0	4.0	XXX	2/discharge	Grab
Total Nickel	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Thallium	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Hexavalent Chromium*	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Free Available Cyanide*	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Lead*	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Mercury*	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Selenium*	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Silver*	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab

*See Part C, Condition No. 25

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

at the overflow.

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. Q. For Internal Outfall 020

Discharging to Unnamed Tributary of Blacklick Creek via Outfall 013

which receives wastewater from ash site surge pond 10-year, 24-hour storm water emergency overflow

1. The permittee is authorized to discharge during the period from three years after Permit Amendment Effective Date through Permit Renewal Effective Date.

2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX	2/discharge	Measured
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	2/discharge	Grab
Total Suspended Solids	XXX	XXX	XXX	30	100	XXX	2/discharge	Grab
Total Dissolved Solids	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Oil and Grease	XXX	XXX	XXX	15	20	30	2/discharge	Grab
Total Aluminum	XXX	XXX	XXX	0.48	0.75	XXX	2/discharge	Grab
Total Arsenic	XXX	XXX	XXX	0.010	0.016	XXX	2/discharge	Grab
Total Boron	XXX	XXX	XXX	1.60	2.49	XXX	2/discharge	Grab
Total Cadmium	XXX	XXX	XXX	0.00025	0.00040	XXX	2/discharge	Grab

Internal Outfall 020, Continued (from three years after Permit Amendment Effective Date through Permit Renewal Effective Date)

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Dissolved Iron	XXX	XXX	XXX	0.19	0.30	XXX	2/discharge	Grab
Total Iron	XXX	XXX	XXX	1.50	2.34	XXX	2/discharge	Grab
Total Manganese	XXX	XXX	XXX	0.64	1.00	XXX	2/discharge	Grab
Total Nickel	XXX	XXX	XXX	0.052	0.080	XXX	2/discharge	Grab
Total Thallium	XXX	XXX	XXX	0.00024	0.00038	XXX	2/discharge	Grab
Hexavalent Chromium*	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Free Available Cyanide*	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Lead*	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Mercury*	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Selenium*	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Silver*	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab

*See Part C, Condition No. 25

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

at the overflow.

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. R. For Internal Outfall 113

Discharging to Unnamed Tributary of Blacklick Creek via Outfall 013

which receives wastewater from emergency overflow from Leachate Storage Impoundment 2 (L-2)

1. The permittee is authorized to discharge during the period from Permit Amendment Effective Date through three years after Permit Amendment Effective Date.

2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX	2/discharge	Measured
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	2/discharge	Grab
Total Suspended Solids	XXX	XXX	XXX	30	100	XXX	2/discharge	Grab
Total Dissolved Solids	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Oil and Grease	XXX	XXX	XXX	15	20	30	2/discharge	Grab
Total Aluminum	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Arsenic	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Boron	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Cadmium	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab

Internal Outfall 113, Continued (from Permit Amendment Effective Date through three years after Permit Amendment Effective Date)

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Dissolved Iron	XXX	XXX	XXX	2.0	4.0	XXX	2/discharge	Grab
Total Iron	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Manganese	XXX	XXX	XXX	2.0	4.0	XXX	2/discharge	Grab
Total Nickel	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Thallium	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Hexavalent Chromium*	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Free Available Cyanide*	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Lead*	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Mercury*	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Selenium*	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Silver*	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab

*See Part C, Condition No. 25

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

at the emergency overflow.

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. S. For Internal Outfall 113

Discharging to Unnamed Tributary of Blacklick Creek via Outfall 013

which receives wastewater from emergency overflow from Leachate Storage Impoundment 2 (L-2)

1. The permittee is authorized to discharge during the period from three years after Permit Amendment Effective Date through Permit Renewal Effective Date.

2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX	2/discharge	Measured
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	2/discharge	Grab
Total Suspended Solids	XXX	XXX	XXX	30	100	XXX	2/discharge	Grab
Total Dissolved Solids	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Oil and Grease	XXX	XXX	XXX	15	20	30	2/discharge	Grab
Total Aluminum	XXX	XXX	XXX	0.48	0.75	XXX	2/discharge	Grab
Total Arsenic	XXX	XXX	XXX	0.010	0.016	XXX	2/discharge	Grab
Total Boron	XXX	XXX	XXX	1.60	2.49	XXX	2/discharge	Grab
Total Cadmium	XXX	XXX	XXX	0.00025	0.00040	XXX	2/discharge	Grab

Internal Outfall 113, Continued (from three years after Permit Amendment Effective Date through Permit Renewal Effective Date)

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Dissolved Iron	XXX	XXX	XXX	0.19	0.30	XXX	2/discharge	Grab
Total Iron	XXX	XXX	XXX	1.50	2.34	XXX	2/discharge	Grab
Total Manganese	XXX	XXX	XXX	0.64	1.00	XXX	2/discharge	Grab
Total Nickel	XXX	XXX	XXX	0.052	0.080	XXX	2/discharge	Grab
Total Thallium	XXX	XXX	XXX	0.00024	0.00038	XXX	2/discharge	Grab
Hexavalent Chromium*	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Free Available Cyanide*	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Lead*	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Mercury*	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Selenium*	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Silver*	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab

*See Part C, Condition No. 25

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

at the emergency overflow.

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. T. For Internal Outfall 213

Discharging to Unnamed Tributary of Blacklick Creek via Outfall 013

which receives wastewater from Sedimentation Basin 1 Prinicpal Outlet (uncontaminated storm water runoff from the coal combustion waste landfill area)

1. The permittee is authorized to discharge during the period from Permit Amendment Effective Date through Permit Expiration Date.

2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX	2/month	Measured
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	2/month	Grab
Total Suspended Solids	XXX	XXX	XXX	30	60	XXX	2/month	Grab
Total Aluminum	XXX	XXX	XXX	Report	Report	XXX	2/month	Grab
Total Iron	XXX	XXX	XXX	Report	Report	XXX	2/month	Grab
Total Manganese	XXX	XXX	XXX	Report	Report	XXX	2/month	Grab

See Part C, Condition No. 23

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

at the Sedimentation Basin outlet.

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. U. For Internal Outfall 313

Discharging to Unnamed Tributary of Blacklick Creek via Outfall 013

which receives wastewater from Sedimentation Basin 1 Emergency Overflow

1. The permittee is authorized to discharge during the period from Permit Amendment Effective Date through Permit Expiration Date.

2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX	2/discharge	Estimate
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	2/discharge	Grab
Total Suspended Solids	XXX	XXX	XXX	30	60	XXX	2/discharge	Grab
Total Aluminum	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Iron	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Manganese	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

at the emergency overflow.

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. V. For Internal Outfall 413

Discharging to Unnamed Tributary of Blacklick Creek via Outfall 013

which receives wastewater from emergency overflow from Leachate Storage Impoundment 3 (L-3)

1. The permittee is authorized to discharge during the period from Permit Amendment Effective Date through three years after Permit Amendment Effective Date.

2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX	2/discharge	Measured
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	2/discharge	Grab
Total Suspended Solids	XXX	XXX	XXX	30	100	XXX	2/discharge	Grab
Total Dissolved Solids	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Oil and Grease	XXX	XXX	XXX	15	20	30	2/discharge	Grab
Total Aluminum	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Arsenic	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Boron	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Cadmium	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab

Internal Outfall 413, Continued (from Permit Amendment Effective Date through three years after Permit Amendment Effective Date)

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Dissolved Iron	XXX	XXX	XXX	2.0	4.0	XXX	2/discharge	Grab
Total Iron	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Manganese	XXX	XXX	XXX	2.0	4.0	XXX	2/discharge	Grab
Total Nickel	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Thallium	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Hexavalent Chromium*	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Free Available Cyanide*	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Lead*	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Mercury*	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Selenium*	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Silver*	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab

*See Part C, Condition No. 25

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

at the emergency overflow.

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. W. For Internal Outfall 413

Discharging to Unnamed Tributary of Blacklick Creek via Outfall 013

which receives wastewater from emergency overflow from Leachate Storage Impoundment 3 (L-3)

1. The permittee is authorized to discharge during the period from three years after Permit Amendment Effective Date through Permit Renewal Effective Date.

2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX	2/discharge	Measured
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	2/discharge	Grab
Total Suspended Solids	XXX	XXX	XXX	30	100	XXX	2/discharge	Grab
Total Dissolved Solids	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Oil and Grease	XXX	XXX	XXX	15	20	30	2/discharge	Grab
Total Aluminum	XXX	XXX	XXX	0.48	0.75	XXX	2/discharge	Grab
Total Arsenic	XXX	XXX	XXX	0.010	0.016	XXX	2/discharge	Grab
Total Boron	XXX	XXX	XXX	1.60	2.49	XXX	2/discharge	Grab
Total Cadmium	XXX	XXX	XXX	0.00025	0.00040	XXX	2/discharge	Grab

Internal Outfall 413, Continued (from three years after Permit Amendment Effective Date through Permit Renewal Effective Date)

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Dissolved Iron	XXX	XXX	XXX	0.19	0.30	XXX	2/discharge	Grab
Total Iron	XXX	XXX	XXX	1.50	2.34	XXX	2/discharge	Grab
Total Manganese	XXX	XXX	XXX	0.64	1.00	XXX	2/discharge	Grab
Total Nickel	XXX	XXX	XXX	0.052	0.080	XXX	2/discharge	Grab
Total Thallium	XXX	XXX	XXX	0.00024	0.00038	XXX	2/discharge	Grab
Hexavalent Chromium*	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Free Available Cyanide*	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Lead*	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Mercury*	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Selenium*	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Silver*	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab

*See Part C, Condition No. 25

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

at the emergency overflow.

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. X. For Internal Outfall 513

Discharging to Unnamed Tributary of Blacklick Creek via Outfall 013

which receives wastewater from Sedimentation Basin 2 Emergency Overflow

1. The permittee is authorized to discharge during the period from Permit Amendment Effective Date through Permit Expiration Date.

2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX	2/discharge	Estimate
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	2/discharge	Grab
Total Suspended Solids	XXX	XXX	XXX	30	60	XXX	2/discharge	Grab
Total Aluminum	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Iron	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Manganese	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

at the emergency overflow.

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. Y. For Internal Outfall 613

Discharging to Unnamed Tributary of Blacklick Creek via Outfall 013

which receives wastewater from Sedimentation Basin 2 Prinicpal Outlet (uncontaminated storm water runoff from the coal combustion waste landfill area)

1. The permittee is authorized to discharge during the period from Permit Amendment Effective Date through Permit Expiration Date.

2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX	2/month	Measured
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	2/month	Grab
Total Suspended Solids	XXX	XXX	XXX	30	60	XXX	2/month	Grab
Total Aluminum	XXX	XXX	XXX	Report	Report	XXX	2/month	Grab
Total Iron	XXX	XXX	XXX	Report	Report	XXX	2/month	Grab
Total Manganese	XXX	XXX	XXX	Report	Report	XXX	2/month	Grab

See Part C, Condition No. 23

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

at the Sedimentation Basin outlet.

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. Z. For Internal Outfall 713

Discharging to Unnamed Tributary of Blacklick Creek via Outfall 013

which receives wastewater from Sedimentation Basin 3 Emergency Overflow

1. The permittee is authorized to discharge during the period from Permit Amendment Effective Date through Permit Expiration Date.

2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX	2/discharge	Estimate
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	2/discharge	Grab
Total Suspended Solids	XXX	XXX	XXX	30	60	XXX	2/discharge	Grab
Total Aluminum	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Iron	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Manganese	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

at the emergency overflow.

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. AA. For Internal Outfall 813

Discharging to Unnamed Tributary of Blacklick Creek via Outfall 013

which receives wastewater from Sedimentation Basin 3 Principal Outlet (uncontaminated storm water runoff from the coal combustion waste landfill area)

1. The permittee is authorized to discharge during the period from Permit Amendment Effective Date through Permit Expiration Date.

2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX	2/month	Measured
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	2/month	Grab
Total Suspended Solids	XXX	XXX	XXX	30	60	XXX	2/month	Grab
Total Aluminum	XXX	XXX	XXX	Report	Report	XXX	2/month	Grab
Total Iron	XXX	XXX	XXX	Report	Report	XXX	2/month	Grab
Total Manganese	XXX	XXX	XXX	Report	Report	XXX	2/month	Grab

See Part C, Condition No. 23

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

at the Sedimentation Basin outlet.

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. BB. For Internal Outfall 913

Discharging to Unnamed Tributary of Blacklick Creek via Outfall 013

which receives wastewater from emergency overflow from Leachate Storage Impoundment 4 (L-4)

1. The permittee is authorized to discharge during the period from Permit Amendment Effective Date through three years after Permit Amendment Effective Date.

2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX	2/discharge	Measured
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	2/discharge	Grab
Total Suspended Solids	XXX	XXX	XXX	30	100	XXX	2/discharge	Grab
Total Dissolved Solids	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Oil and Grease	XXX	XXX	XXX	15	20	30	2/discharge	Grab
Total Aluminum	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Arsenic	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Boron	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Cadmium	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab

Internal Outfall 913, Continued (from Permit Amendment Effective Date through three years after Permit Amendment Effective Date)

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Dissolved Iron	XXX	XXX	XXX	2.0	4.0	XXX	2/discharge	Grab
Total Iron	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Manganese	XXX	XXX	XXX	2.0	4.0	XXX	2/discharge	Grab
Total Nickel	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Thallium	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Hexavalent Chromium*	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Free Available Cyanide*	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Lead*	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Mercury*	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Selenium*	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Silver*	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab

*See Part C, Condition No. 25

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

at the emergency overflow.

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. CC. For Internal Outfall 913

Discharging to Unnamed Tributary of Blacklick Creek via Outfall 013

which receives wastewater from emergency overflow from Leachate Storage Impoundment 4 (L-4)

1. The permittee is authorized to discharge during the period from three years after Permit Amendment Effective Date through Permit Renewal Effective Date.

2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX	2/discharge	Measured
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	2/discharge	Grab
Total Suspended Solids	XXX	XXX	XXX	30	100	XXX	2/discharge	Grab
Total Dissolved Solids	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Oil and Grease	XXX	XXX	XXX	15	20	30	2/discharge	Grab
Total Aluminum	XXX	XXX	XXX	0.48	0.75	XXX	2/discharge	Grab
Total Arsenic	XXX	XXX	XXX	0.010	0.016	XXX	2/discharge	Grab
Total Boron	XXX	XXX	XXX	1.60	2.49	XXX	2/discharge	Grab
Total Cadmium	XXX	XXX	XXX	0.00025	0.00040	XXX	2/discharge	Grab

Internal Outfall 913, Continued (from three years after Permit Amendment Effective Date through Permit Renewal Effective Date)

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Dissolved Iron	XXX	XXX	XXX	0.19	0.30	XXX	2/discharge	Grab
Total Iron	XXX	XXX	XXX	1.50	2.34	XXX	2/discharge	Grab
Total Manganese	XXX	XXX	XXX	0.64	1.00	XXX	2/discharge	Grab
Total Nickel	XXX	XXX	XXX	0.052	0.080	XXX	2/discharge	Grab
Total Thallium	XXX	XXX	XXX	0.00024	0.00038	XXX	2/discharge	Grab
Hexavalent Chromium*	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Free Available Cyanide*	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Lead*	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Mercury*	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Selenium*	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Silver*	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab

*See Part C, Condition No. 25

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

at the emergency overflow.

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. DD. For Outfall 014 **, Latitude** 40° 30’ 50.00” **, Longitude** 79° 10’ 53.00” **, River Mile Index** 0.21 **, Stream Code** 44080

Discharging to Cherry Run

which receives wastewater from final settling pond No. 3 overflow handling river intake dredging pond effluent

1. The permittee is authorized to discharge during the period from Permit Effective Date through Permit Expiration Date

2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX	1/discharge	Estimate
Total Suspended Solids	XXX	XXX	XXX	30	XXX	60	2/discharge	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

at the overflow.

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. EE. For Outfall 015 **, Latitude** 40° 30’ 51.00” **, Longitude** 79° 11’ 35.00” **, River Mile Index** 0.77 **, Stream Code** 44075

Discharging to Unnamed Tributary of Two Lick Creek

which receives wastewater from Emergency bypass of the IWT sand filter building

1. The permittee is authorized to discharge during the period from Permit Effective Date through Permit Expiration Date.

2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX	1/discharge	Estimate
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	1/discharge	Grab
Temperature (ºF)	XXX	XXX	XXX	XXX	110	XXX	1/discharge	I-S
Total Suspended Solids	XXX	XXX	XXX	30	100	XXX	1/discharge	Grab
Oil and Grease	XXX	XXX	XXX	15	20	30	1/discharge	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

at the overflow

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. FF. For Outfall 016 **, Latitude** 40° 30’ 47.00” **, Longitude** 79° 11’ 35.00” **, River Mile Index** 0.75 **, Stream Code** 44075

Discharging to Unnamed Tributary of Two Lick Creek

which receives wastewater from Emergency overflow from IWT equalization pond No. 2

1. The permittee is authorized to discharge during the period from Permit Effective Date through Permit Expiration.

2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX	1/discharge	Estimate
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	1/discharge	Grab
Temperature (ºF)	XXX	XXX	XXX	XXX	110	XXX	1/discharge	I-S
Total Suspended Solids	XXX	XXX	XXX	30	100	XXX	1/discharge	Grab
Oil and Grease	XXX	XXX	XXX	15	20	30	1/discharge	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

at the overflow

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. GG. For Outfall 018 **, Latitude** 40° 30’ 58.00” **, Longitude** 79° 11’ 50.00” **, River Mile Index** 1.0 **, Stream Code** 44075

Discharging to Unnamed Tributary of Two Lick Creek

which receives wastewater from overflow from cooling tower clarifier clearwell (river intake water, HCCCP leachate and sludge dewatering filtrate)

1. The permittee is authorized to discharge during the period from Permit Amendment Effective Date through three years after Permit Amendment Effective Date.

2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX	1/week	Measured
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	1/week	Grab
Total Suspended Solids	XXX	XXX	XXX	30	70	XXX	1/week	Grab
Total Dissolved Solids	XXX	XXX	XXX	Report	Report	XXX	1/week	Grab
Oil and Grease	XXX	XXX	XXX	15	20	30	1/week	Grab
Dissolved Iron	XXX	XXX	XXX	Report	Report	XXX	1/week	Grab
Total Aluminum	XXX	XXX	XXX	Report	Report	XXX	1/week	Grab
Total Iron	XXX	XXX	XXX	3.5	7.0	XXX	1/week	Grab
Total Manganese	XXX	XXX	XXX	2.0	4.0	XXX	1/week	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

at the overflow

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. HH. For Outfall 018 **, Latitude** 40° 30' 58.00" **, Longitude** 79° 11' 50.00" **, River Mile Index** 1.0 **, Stream Code** 44075

Discharging to Unnamed Tributary of Two Lick Creek

which receives wastewater from overflow from cooling tower clarifier clearwell (river intake water, HCCCP leachate and sludge dewatering filtrate)

1. The permittee is authorized to discharge during the period from three years after Permit Amendment Effective Date through Permit Renewal Effective Date.

2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX	1/week	Measured
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	1/week	Grab
Total Suspended Solids	XXX	XXX	XXX	30	70	XXX	1/week	Grab
Total Dissolved Solids	XXX	XXX	XXX	Report	Report	XXX	1/week	Grab
Oil and Grease	XXX	XXX	XXX	15	20	30	1/week	Grab
Dissolved Iron	XXX	XXX	XXX	Report	Report	XXX	1/week	Grab
Total Aluminum*	XXX	XXX	XXX	0.48	0.75	XXX	1/week	Grab
Total Iron*	XXX	XXX	XXX	1.50	2.34	XXX	1/week	Grab
Total Manganese*	XXX	XXX	XXX	0.64	1.00	XXX	1/week	Grab

*See Part C, Condition No.24

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

at the overflow

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. II. **For Outfall** 023 , **Latitude** 40° 31' 5.00" , **Longitude** 79° 12' 24.00" , **River Mile Index** 0.45 , **Stream Code** 44072

Discharging to Unnamed Tributary of Blacklick Creek

which receives wastewater from storm water runoff from coal truck gate entrance and dust control water runoff

1. The permittee is authorized to discharge during the period from Permit Effective Date through Permit Expiration Date.

2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX	2/month	Measured
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	2/month	Grab
Total Suspended Solids	XXX	XXX	XXX	35	70	90	2/month	Grab
Total Aluminum	XXX	XXX	XXX	Report	Report	XXX	2/month	Grab
Total Iron*	XXX	XXX	XXX	1.5	3.0	3.75	2/month	Grab
Total Manganese	XXX	XXX	XXX	Report	Report	XXX	2/month	Grab

*See Part C, Condition No. 21

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

at sediment pond outfall

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. JJ. For Outfall 027 **, Latitude** 40° 28’ 54.00” **, Longitude** 79° 11’ 36.00” **, River Mile Index** 10.72 **, Stream Code** 43979

Discharging to Blacklick Creek

which receives wastewater from flue gas desulfurization wastewater treatment plant

1. The permittee is authorized to discharge during the period from Permit Effective Date through Permit Expiration Date.

2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX	Continuous	Recorded
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	1/week	Grab
Temperature (°F)	XXX	XXX	XXX	XXX	110	XXX	1/week	I-S
CBOD5	XXX	XXX	XXX	25	50	XXX	1/week	24-Hr Composite
Total Suspended Solids	XXX	XXX	XXX	30	100	XXX	1/week	24-Hr Composite
Total Dissolved Solids	XXX	XXX	XXX	Report	Report	XXX	1/week	24-Hr Composite
Osmotic Pressure (mOs/kg)	XXX	XXX	XXX	Report	Report	XXX	1/week	24-Hr Composite
Oil and Grease	XXX	XXX	XXX	15	20	XXX	1/week	Grab
Total Beryllium	XXX	XXX	XXX	0.8	1.6	XXX	1/week	24-Hr Composite

Outfall 027, Continued (from Permit Effective Date through Permit Expiration Date)

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Total Boron	XXX	XXX	XXX	Report	Report	XXX	1/week	24-Hr Composite
Total Lead	XXX	XXX	XXX	0.1	0.2	XXX	1/week	24-Hr Composite
Total Selenium	XXX	XXX	XXX	0.8	1.6	XXX	1/week	24-Hr Composite
MBAS	XXX	XXX	XXX	Report	Report	XXX	1/week	24-Hr Composite

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

at the effluent tank

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. KK. For Outfall 029 **, Latitude** 40° 31' 5.00" **, Longitude** 79° 12' 46.00" **, River Mile Index** 0.67 **, Stream Code** 44071

Discharging to Unnamed Tributary of Blacklick Creek

which receives wastewater from coal combustion waste landfill storm water runoff diversion ditch and Internal Outfall 129

1. The permittee is authorized to discharge during the period from Permit Amendment Effective Date through three years after Permit Amendment Effective Date.

2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX	1/week	Measured
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	1/week	Grab
Total Dissolved Solids	XXX	XXX	XXX	Report	Report	XXX	1/week	Grab
Total Aluminum	XXX	XXX	XXX	Report	Report	XXX	1/week	Grab
Total Iron	XXX	XXX	XXX	Report	Report	XXX	1/week	Grab
Total Manganese	XXX	XXX	XXX	Report	Report	XXX	1/week	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

at the discharge location prior to mixing with any other water.

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. LL. For Outfall 029 **, Latitude** 40° 31' 5.00" **, Longitude** 79° 12' 46.00" **, River Mile Index** 0.67 **, Stream Code** 44071

Discharging to Unnamed Tributary of Blacklick Creek

which receives wastewater from coal combustion waste landfill storm water runoff diversion ditch and Internal Outfall 129

1. The permittee is authorized to discharge during the period from three years after Permit Amendment Effective Date through Permit Renewal Effective Date.

2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Average Monthly	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX	1/week	Measured
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	1/week	Grab
Total Dissolved Solids	XXX	XXX	XXX	Report	Report	XXX	1/week	Grab
Total Aluminum*	XXX	XXX	XXX	0.48	0.75	XXX	1/week	Grab
Total Iron*	XXX	XXX	XXX	1.50	2.34	XXX	1/week	Grab
Total Manganese*	XXX	XXX	XXX	0.64	1.00	XXX	1/week	Grab

See Part C, Condition No. 24

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

at the discharge location prior to mixing with any other water.

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. MM. For Internal Outfall 129

Discharging to Unnamed Tributary of Blacklick Creek via Outfall 029

which receives wastewater from emergency overflow from Leachate Storage Impoundment 1 (L-1)

1. The permittee is authorized to discharge during the period from Permit Amendment Effective Date through three years after Permit Amendment Effective Date.

2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX	2/discharge	Measured
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	2/discharge	Grab
Total Suspended Solids	XXX	XXX	XXX	30	100	XXX	2/discharge	Grab
Total Dissolved Solids	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Oil and Grease	XXX	XXX	XXX	15	20	30	2/discharge	Grab
Total Aluminum	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Arsenic	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Boron	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Cadmium	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab

Internal Outfall 129, Continued (from Permit Amendment Effective Date through three years after Permit Amendment Effective Date)

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Dissolved Iron	XXX	XXX	XXX	2.0	4.0	XXX	2/discharge	Grab
Total Iron	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Manganese	XXX	XXX	XXX	2.0	4.0	XXX	2/discharge	Grab
Total Nickel	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Thallium	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Hexavalent Chromium*	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Free Available Cyanide*	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Lead*	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Mercury*	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Selenium*	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Silver*	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab

*See Part C, Condition No. 25

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

at the emergency overflow.

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. NN. For Internal Outfall 129

Discharging to Unnamed Tributary of Blacklick Creek via Outfall 029

which receives wastewater from emergency overflow from Leachate Storage Impoundment 1 (L-1)

1. The permittee is authorized to discharge during the period from three years after Permit Amendment Effective Date through Permit Renewal Effective Date.

2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX	2/discharge	Measured
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	2/discharge	Grab
Total Suspended Solids	XXX	XXX	XXX	30	100	XXX	2/discharge	Grab
Total Dissolved Solids	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Oil and Grease	XXX	XXX	XXX	15	20	30	2/discharge	Grab
Total Aluminum	XXX	XXX	XXX	0.48	0.75	XXX	2/discharge	Grab
Total Arsenic	XXX	XXX	XXX	0.010	0.016	XXX	2/discharge	Grab
Total Boron	XXX	XXX	XXX	1.60	2.49	XXX	2/discharge	Grab
Total Cadmium	XXX	XXX	XXX	0.00025	0.00040	XXX	2/discharge	Grab

Internal Outfall 129, Continued (from three years after Permit Amendment Effective Date through Permit Renewal Effective Date)

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Dissolved Iron	XXX	XXX	XXX	0.19	0.30	XXX	2/discharge	Grab
Total Iron	XXX	XXX	XXX	1.50	2.34	XXX	2/discharge	Grab
Total Manganese	XXX	XXX	XXX	0.64	1.00	XXX	2/discharge	Grab
Total Nickel	XXX	XXX	XXX	0.052	0.080	XXX	2/discharge	Grab
Total Thallium	XXX	XXX	XXX	0.00024	0.00038	XXX	2/discharge	Grab
Hexavalent Chromium*	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Free Available Cyanide*	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Lead*	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Mercury*	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Selenium*	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Silver*	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab

*See Part C, Condition No. 25

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

at the emergency overflow.

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. OO. For Outfall 030 **, Latitude** 40° 31’ 30.00” **, Longitude** 79° 12’ 58.00” **, River Mile Index** 0.5 **, Stream Code** 44033

Discharging to Unnamed Tributary to Muddy Run

which receives wastewater from Sedimentation Basin 5 principal outlet (uncontaminated storm water runoff from the coal combustion waste landfill area)

1. The permittee is authorized to discharge during the period from Permit Amendment Effective Date through three years after Permit Amendment Effective Date.

2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX	1/week	Measured
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	1/week	Grab
Total Suspended Solids	XXX	XXX	XXX	30	60	XXX	1/week	Grab
Total Dissolved Solids	XXX	XXX	XXX	Report	Report	XXX	1/week	Grab
Total Aluminum	XXX	XXX	XXX	Report	Report	XXX	1/week	Grab
Total Iron	XXX	XXX	XXX	Report	Report	XXX	1/week	Grab
Total Manganese	XXX	XXX	XXX	Report	Report	XXX	1/week	Grab

See Part C, Condition No. 23

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

at sedimentation basin principal outlet

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. PP. For Outfall 030 **, Latitude** 40° 31’ 30.00” **, Longitude** 79° 12’ 58.00” **, River Mile Index** 0.5 **, Stream Code** 44033

Discharging to Unnamed Tributary to Muddy Run

which receives wastewater from Sedimentation Basin 5 principal outlet (uncontaminated storm water runoff from the coal combustion waste landfill area)

1. The permittee is authorized to discharge during the period from three years after Permit Amendment Effective Date through Permit Renewal Effective Date.

2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX	1/week	Measured
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	1/week	Grab
Total Suspended Solids	XXX	XXX	XXX	30	60	XXX	1/week	Grab
Total Dissolved Solids	XXX	XXX	XXX	Report	Report	XXX	1/week	Grab
Total Aluminum*	XXX	XXX	XXX	0.48	0.75	XXX	1/week	Grab
Total Iron*	XXX	XXX	XXX	1.50	2.34	XXX	1/week	Grab
Total Manganese*	XXX	XXX	XXX	0.64	1.00	XXX	1/week	Grab

**See Part C, Condition No. 24
See Part C, Condition No. 23

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

at sedimentation basin principal outlet

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. QQ. For Outfall 031 **, Latitude** 40° 31’ 30.00” **, Longitude** 79° 12’ 57.00” **, River Mile Index** 0.5 **, Stream Code** 44033

Discharging to Unnamed Tributary to Muddy Run

which receives wastewater from Sedimentation Basin 5 Emergency Overflow

1. The permittee is authorized to discharge during the period from Permit Amendment Effective Date through three years after Permit Amendment Effective Date.

2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX	2/discharge	Estimate
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	2/discharge	Grab
Total Suspended Solids	XXX	XXX	XXX	30	60	XXX	2/discharge	Grab
Total Dissolved Solids	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Aluminum	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Iron	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Manganese	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

at the emergency overflow

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. RR. For Outfall 031 **, Latitude** 40° 31' 30.00" **, Longitude** 79° 12' 57.00" **, River Mile Index** 0.5 **, Stream Code** 44033

Discharging to Unnamed Tributary to Muddy Run

which receives wastewater from Sedimentation Basin 5 Emergency Overflow

1. The permittee is authorized to discharge during the period from three years after Permit Amendment Effective Date through Permit Renewal Effective Date.

2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX	2/discharge	Estimate
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	2/discharge	Grab
Total Suspended Solids	XXX	XXX	XXX	30	60	XXX	2/discharge	Grab
Total Dissolved Solids	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Aluminum	XXX	XXX	XXX	0.48	0.75	XXX	2/discharge	Grab
Total Iron	XXX	XXX	XXX	1.50	2.34	XXX	2/discharge	Grab
Total Manganese	XXX	XXX	XXX	0.64	1.00	XXX	2/discharge	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

at the emergency overflow

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. SS. For Outfall 032 **, Latitude** 40° 31’ 47.00” **, Longitude** 79° 12’ 58.00” **, River Mile Index** 0.25 **, Stream Code** 44033

Discharging to Unnamed Tributary to Muddy Run

which receives wastewater from Sedimentation Basin 4 principal outlet (uncontaminated storm water runoff from the coal combustion waste landfill area)

1. The permittee is authorized to discharge during the period from Permit Amendment Effective Date through three years after Permit Amendment Effective Date.

2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX	1/week	Measured
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	1/week	Grab
Total Suspended Solids	XXX	XXX	XXX	30	60	XXX	1/week	Grab
Total Dissolved Solids	XXX	XXX	XXX	Report	Report	XXX	1/week	Grab
Total Aluminum	XXX	XXX	XXX	Report	Report	XXX	1/week	Grab
Total Iron	XXX	XXX	XXX	Report	Report	XXX	1/week	Grab
Total Manganese	XXX	XXX	XXX	Report	Report	XXX	1/week	Grab

See Part C, Condition No. 23

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

at sedimentation basin principal outlet

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. TT. For Outfall 032 **, Latitude** 40° 31' 47.00" **, Longitude** 79° 12' 58.00" **, River Mile Index** 0.25 **, Stream Code** 44033

Discharging to Unnamed Tributary to Muddy Run

which receives wastewater from Sedimentation Basin 4 principal outlet (uncontaminated storm water runoff from the coal combustion waste landfill area)

1. The permittee is authorized to discharge during the period from three years after Permit Amendment Effective Date through Permit Renewal Effective Date.

2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	Report	Report	XXX	XXX	XXX	1/week	Measured
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	1/week	Grab
Total Suspended Solids	XXX	XXX	XXX	30	60	XXX	1/week	Grab
Total Dissolved Solids	XXX	XXX	XXX	Report	Report	XXX	1/week	Grab
Total Aluminum*	XXX	XXX	XXX	0.48	0.75	XXX	1/week	Grab
Total Iron*	XXX	XXX	XXX	1.50	2.34	XXX	1/week	Grab
Total Manganese*	XXX	XXX	XXX	0.64	1.00	XXX	1/week	Grab

*See Part C, Condition No. 24
See Part C, Condition No. 23

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

at sedimentation basin principal outlet

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. UU. For Outfall 033 **, Latitude** 40° 31' 47.00" **, Longitude** 79° 12' 57.00" **, River Mile Index** 0.25 **, Stream Code** 44033

Discharging to Unnamed Tributary to Muddy Run

which receives wastewater from Sedimentation Basin 4 Emergency Overflow

1. The permittee is authorized to discharge during the period from Permit Amendment Effective Date through three years after Permit Amendment Effective Date.

2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX	2/discharge	Estimate
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	2/discharge	Grab
Total Suspended Solids	XXX	XXX	XXX	30	60	XXX	2/discharge	Grab
Total Dissolved Solids	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Aluminum	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Iron	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Manganese	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

at the emergency overflow

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. VV. For Outfall 033 **, Latitude** 40° 31' 47.00" **, Longitude** 79° 12' 57.00" **, River Mile Index** 0.25 **, Stream Code** 44033

Discharging to Unnamed Tributary to Muddy Run

which receives wastewater from Sedimentation Basin 4 Emergency Overflow

1. The permittee is authorized to discharge during the period from three years after Permit Amendment Effective Date through Permit Renewal Effective Date.

2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX	2/discharge	Estimate
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	2/discharge	Grab
Total Suspended Solids	XXX	XXX	XXX	30	60	XXX	2/discharge	Grab
Total Dissolved Solids	XXX	XXX	XXX	Report	Report	XXX	2/discharge	Grab
Total Aluminum	XXX	XXX	XXX	0.48	0.75	XXX	2/discharge	Grab
Total Iron	XXX	XXX	XXX	1.50	2.34	XXX	2/discharge	Grab
Total Manganese	XXX	XXX	XXX	0.64	1.00	XXX	2/discharge	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

at the emergency overflow

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. WW. For Outfall 006 **, Latitude** 40° 30’ 31.00” **, Longitude** 79° 11’ 52.00” **, River Mile Index** 0.68 **, Stream Code** 44076

Discharging to Unnamed Tributary of Two Lick Creek

which receives wastewater from Construction desilting basin and storm water runoff from south side of Unit #3

1. The permittee is authorized to discharge during the period from Permit Effective Date through Permit Expiration Date.

2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		

See Part C, Condition No. 11.

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. XX. For Outfall 009 **, Latitude** 40° 30’ 45.00” **, Longitude** 79° 11’ 53.00” **, River Mile Index** 1.0 **, Stream Code** 44076

Discharging to Unnamed Tributary of Two Lick Creek

which receives wastewater from storm water runoff from the north and south areas of the Unit 3 FGD scrubber area

1. The permittee is authorized to discharge during the period from Permit Effective Date through Permit Expiration Date.

2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		

See Part C, Condition No. 11.

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. YY. For Outfall 017 **, Latitude** 40° 30’ 57.00” **, Longitude** 79° 11’ 36.00” **, River Mile Index** 0.77 **, Stream Code** 44075

Discharging to Unnamed Tributary of Two Lick Creek

which receives wastewater from storm water runoff from substation area

1. The permittee is authorized to discharge during the period from Permit Effective Date through Permit Expiration Date.

2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		

See Part C, Condition No. 11.

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. ZZ. For Outfall 019 **, Latitude** 40° 30’ 55.00” **, Longitude** 79° 11’ 36.00” **, River Mile Index** 0.77 **, Stream Code** 44075

Discharging to Unnamed Tributary of Two Lick Creek

which receives wastewater from storm water runoff from parking lot and roof drains at manhole N-13

1. The permittee is authorized to discharge during the period from Permit Effective Date through Permit Expiration Date.

2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		

See Part C, Condition No. 11.

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. AAA. For Outfall 021 **, Latitude** 40° 30’ 49.00” **, Longitude** 79° 11’ 01.00” **, River Mile Index** 0.18 **, Stream Code** 44080

Discharging to Cherry Run

which receives wastewater from make-up clarifier areas storm water runoff to Cherry Run

1. The permittee is authorized to discharge during the period from Permit Effective Date through Permit Expiration Date.

2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		

See Part C, Condition No. 11.

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. BBB. For Outfall 022 **, Latitude** 40° 30’ 30.00” **, Longitude** 79° 11’ 27.00” **, River Mile Index** 0.38 **, Stream Code** 44075

Discharging to Unnamed Tributary of Two Lick Creek

which receives wastewater from storm water runoff by Power Plant Road at the bottom of King’s Hill

1. The permittee is authorized to discharge during the period from Permit Effective Date through Permit Expiration Date.

2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		

See Part C, Condition No. 11.

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. CCC. For Outfall 024 **, Latitude** 40° 30’ 51.00” **, Longitude** 79° 11’ 57.00” **, River Mile Index** 1.15 **, Stream Code** 44076

Discharging to Unnamed Tributary of Two Lick Creek

which receives wastewater from storm water runoff at Power Plant Road by ash recycle overflow

1. The permittee is authorized to discharge during the period from Permit Effective Date through Permit Expiration Date.

2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		

See Part C, Condition No. 11.

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. DDD. For Outfall 025 **, Latitude** 40° 30’ 50.00” **, Longitude** 79° 11’ 35.00” **, River Mile Index** 0.77 **, Stream Code** 44075

Discharging to Unnamed Tributary of Two Lick Creek

which receives wastewater from storm water runoff from industrial waste treatment area

1. The permittee is authorized to discharge during the period from Permit Amendment Effective Date through three years after Permit Amendment Effective Date.

2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		

See Part C, Condition No. 11.

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. EEE. For Outfall 026 **, Latitude** 40° 30' 46.00" **, Longitude** 79° 11' 32.00" **, River Mile Index** 0.90 **, Stream Code** 44075

Discharging to Unnamed Tributary of Two Lick Creek

which receives wastewater from storm water runoff from Units #1 and #2 cooling tower area and internal outfalls 126 and 226

1. The permittee is authorized to discharge during the period from Permit Amendment Effective Date through three years after Permit Amendment Expiration Date.

2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX	1/week	Measured
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	1/week	Grab
Total Dissolved Solids	XXX	XXX	XXX	Report	Report	XXX	1/week	Grab
Total Aluminum	XXX	XXX	XXX	Report	Report	XXX	1/week	Grab
Total Iron	XXX	XXX	XXX	Report	Report	XXX	1/week	Grab
Total Manganese	XXX	XXX	XXX	Report	Report	XXX	1/week	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

at the outfall

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. FFF. For Outfall 026 **, Latitude** 40° 30' 46.00" **, Longitude** 79° 11' 32.00" **, River Mile Index** 0.90 **, Stream Code** 44075

Discharging to Unnamed Tributary of Two Lick Creek

which receives wastewater from storm water runoff from Units #1 and #2 cooling tower area and internal outfalls 126 and 226

1. The permittee is authorized to discharge during the period from three years after Permit Amendment Effective Date through Permit Renewal Effective Date.

2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX	1/week	Measured
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	1/week	Grab
Total Dissolved Solids	XXX	XXX	XXX	Report	Report	XXX	1/week	Grab
Total Aluminum*	XXX	XXX	XXX	0.48	0.75	XXX	1/week	Grab
Total Iron*	XXX	XXX	XXX	1.50	2.34	XXX	1/week	Grab
Total Manganese*	XXX	XXX	XXX	0.64	1.00	XXX	1/week	Grab

*See Part C, Condition No. 24

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

at the outfall

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. GGG. For Outfall 028 **, Latitude** 40° 30’ 41.00” **, Longitude** 79° 11’ 52.00” **, River Mile Index** 0.8 **, Stream Code** 44076

Discharging to Unnamed Tributary of Two Lick Creek

which receives wastewater from storm water runoff/emergency overflows from limestone storage area

1. The permittee is authorized to discharge during the period from Permit Effective Date through Permit Expiration Date.

2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) (1)		Concentrations (mg/L)				Minimum (2) Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		

See Part C, Condition No. 11.

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS (Continued)

Additional Requirements

The permittee may not discharge:

1. Floating solids, scum, sheen or substances that result in observed deposits in the receiving water. (25 Pa Code 92a.41(c))

2. Oil and grease in amounts that cause a film or sheen upon or discoloration of the waters of this Commonwealth or adjoining shoreline, or that exceed 15 mg/l as a daily average or 30 mg/l at any time (or lesser amounts if specified in this permit). (25 Pa. Code 92a.47(a)(7) and 95.2(2))

3. Substances in concentration or amounts sufficient to be inimical or harmful to the water uses to be protected or to human, animal, plant or aquatic life. (25 Pa Code 93.6(a))

4. Foam or substances that produce an observed change in the color, taste, odor or turbidity of the receiving water, unless those conditions are otherwise controlled through effluent limitations or other requirements in this permit. (25 Pa Code 92a.41(c))

Footnotes

(1) When sampling to determine compliance with mass effluent limitations, the discharge flow at the time of sampling must be measured and recorded.

(2) This is the minimum number of sampling events required. Permittees are encouraged, and it may be advantageous in demonstrating compliance, to perform more than the minimum number of sampling events.

II. DEFINITIONS

At Outfall (XXX) means a sampling location in outfall line XXX below the last point at which wastes are added to outfall line (XXX), or where otherwise specified.

Average refers to the use of an arithmetic mean, unless otherwise specified in this permit. (40 CFR 122.41(l)(4)(iii))

Best Management Practices (BMPs) means schedules of activities, prohibitions of practices, maintenance procedures and other management practices to prevent or reduce the pollution to surface waters of the Commonwealth. 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. (25 Pa. Code 92a.2)

Bypass means the intentional diversion of waste streams from any portion of a treatment facility. (40 CFR 122.41(m)(1)(i))

Calendar Week is defined as the seven consecutive days from Sunday through Saturday, unless the permittee has been given permission by DEP to provide weekly data as Monday through Friday based on showing excellent performance of the facility and a history of compliance. In cases when the week falls in two separate months, the month with the most days in that week shall be the month for reporting.

Clean Water Act means the Federal Water Pollution Control Act, as amended. (33 U.S.C.A. §§1251 to 1387).

Chemical Additive means the chemicals that are used to control corrosion, algae, slime, fouling, oxygen or other blow down discharges in systems within a facility that might be present in its wastewater discharge. Other chemicals that would be included in this category include by are not limited to polymers, water softeners, flocculants, coagulants, emulsion breakers, dispersants, other oxygen scavenger or possible known carcinogens.

Composite Sample (for all except GC/MS volatile organic analysis) means a combination of individual samples (at least eight for a 24-hour period or four for an 8-hour period) of at least 100 milliliters (mL) each obtained at spaced time intervals during the compositing period. The composite must be flow-proportional; either the volume of each individual sample is proportional to discharge flow rates, or the sampling interval is proportional to the flow rates over the time period used to produce the composite. (EPA Form 2C)

Composite Sample (for GC/MS volatile organic analysis) consists of at least four aliquots or grab samples collected during the sampling event (not necessarily flow proportioned). The samples must be combined in the laboratory immediately before analysis and then one analysis is performed. (EPA Form 2C)

Daily Average Temperature means the average of all temperature measurements made, or the mean value plot of the record of a continuous automated temperature recording instrument, either during a calendar day or during the operating day if flows are of a shorter duration.

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. (25 Pa. Code 92a.2 and 40 CFR 122.2)

Daily Maximum Discharge Limitation means the highest allowable "daily discharge."

Discharge Monitoring Report (DMR) means the DEP or EPA supplied form(s) for the reporting of self-monitoring results by the permittee. (25 Pa. Code 92a.2 and 40 CFR 122.2)

Estimated Flow means any method of liquid volume measurement based on a technical evaluation of the sources contributing to the discharge including, but not limited to, pump capabilities, water meters and batch discharge volumes.

Geometric Mean means the average of a set of n sample results given by the nth root of their product.

Grab Sample means an individual sample of at least 100 mL collected at a randomly selected time over a period not to exceed 15 minutes. (EPA Form 2C)

Hazardous Substance means any substance designated under 40 CFR Part 116 pursuant to Section 311 of the Clean Water Act. (40 CFR 122.2)

Hauled-In Wastes means any waste that is introduced into a treatment facility through any method other than a direct connection to the sewage collection system. The term includes wastes transported to and disposed of within the treatment facility or other entry points within the collection system.

Immersion Stabilization (i-s) means a calibrated device is immersed in the wastewater until the reading is stabilized.

Instantaneous Maximum Effluent Limitation means the highest allowable discharge of a concentration or mass of a substance at any one time as measured by a grab sample. (25 Pa. Code 92a.2)

Measured Flow means any method of liquid volume measurement, the accuracy of which has been previously demonstrated in engineering practice, or for which a relationship to absolute volume has been obtained.

Monthly Average 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. (25 Pa. Code 92a.2)

Non-contact Cooling Water means water used to reduce temperature which does not come in direct contact with any raw material, intermediate product, waste product (other than heat), or finished product.

Severe Property Damage means substantial physical damage to property, damage to the treatment facilities that causes them to become inoperable, or substantial and permanent loss of natural resources that 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. (40 CFR 122.41(m)(1)(ii))

Stormwater means the runoff from precipitation, snow melt runoff, and surface runoff and drainage. (25 Pa. Code 92a.2)

Stormwater Associated With Industrial Activity means the discharge from any conveyance that is used for collecting and conveying stormwater and that is directly related to manufacturing, processing, or raw materials storage areas at an industrial plant, and as defined at 40 CFR 122.26(b)(14) (i) - (ix) & (xi) and 25 Pa. Code 92a.2.

Total Dissolved Solids means the total dissolved (filterable) solids as determined by use of the method specified in 40 CFR Part 136.

Toxic Pollutant means those pollutants, or combinations of pollutants, including disease-causing agents, which after discharge and upon exposure, ingestion, inhalation or assimilation into any organism, either directly from the environment or indirectly by ingestion through food chains may, on the basis of information available to DEP cause death, disease, behavioral abnormalities, cancer, genetic mutations, physiological malfunctions, including malfunctions in reproduction, or physical deformations in these organisms or their offspring. (25 Pa. Code 92a.2)

III. SELF-MONITORING, REPORTING AND RECORDKEEPING

A. Representative Sampling (40 CFR 122.4(j)(1))

1. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.

2. Records Retention (40 CFR 122.41(j)(2))

Except for records of monitoring information required by this permit related to the permittee's sludge use and disposal activities which shall be retained for a period of at least 5 years, all records of monitoring activities and results (including all original strip chart recordings for continuous monitoring instrumentation and calibration and maintenance records), copies of all reports required by this permit, and records of all data used to complete the application for this permit shall be retained by the permittee for 3 years from the date of the sample measurement, report or application, unless a longer retention period is required by the permit. The 3-year period shall be extended as requested by DEP or the EPA Regional Administrator.

3. Recording of Results (40 CFR 122.41(j)(3))

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

a. The exact place, date and time of sampling or measurements.
b. The person(s) who performed the sampling or measurements.
c. The date(s) the analyses were performed.
d. The person(s) who performed the analyses.
e. The analytical techniques or methods used; and the associated detection level.
f. The results of such analyses.

4. Test Procedures (40 CFR 122.41(j)(4))

Facilities that test or analyze environmental samples used to demonstrate compliance with this permit shall be in compliance with laboratory accreditation requirements of Act 90 of 2002 (27 Pa. C.S. §§4101-4113) and 25 Pa. Code Chapter 252, relating to environmental laboratory accreditation. Unless otherwise specified in this permit, the test procedures for the analysis of pollutants shall be those approved under 40 CFR Part 136 (or in the case of sludge use or disposal, approved under 40 CFR Part 136, unless otherwise specified in 40 CFR Part 503 or Subpart J of 25 Pa. Code Chapter 271), or alternate test procedures approved pursuant to those parts, unless other test procedures have been specified in this permit.

5. Quality/Assurance/Control

In an effort to assure accurate self-monitoring analyses results:

a. The permittee, or its designated laboratory, shall participate in the periodic scheduled quality assurance inspections conducted by DEP and EPA. (40 CFR 122.41(e), 122.41(i)(3))

b. The permittee, or its designated laboratory, shall develop and implement a program to assure the quality and accurateness of the analyses performed to satisfy the requirements of this permit, in accordance with 40 CFR Part 136. (40 CFR 122.41(j)(4))

B. Reporting of Monitoring Results

1. The permittee shall effectively monitor the operation and efficiency of all wastewater treatment and control facilities, and the quantity and quality of the discharge(s) as specified in this permit. (40 CFR 122.41(e),122.44(i)(1))

2. Unless instructed otherwise in Part C of this permit, properly completed DMR(s) must be received by the agency(ies) below within 28 days after the end of each reporting period. The permittee shall complete all Supplemental Reporting forms (Supplemental DMRs) provided by DEP in this permit (or an approved equivalent), and submit the signed, completed forms as an attachment to the DMR(s). If the permittee elects to use DEP's electronic DMR (eDMR) system, one electronic submission may be made for DMRs and Supplemental DMRs. If paper forms are used, the completed forms shall be mailed to:

   Department of Environmental Protection
   Clean Water Program
   400 Waterfront Drive
   Pittsburgh, PA 15222-4745

   NPDES Enforcement Branch (3WP42)
   Office of Permits & Enforcement
   Water Protection Division
   U.S. EPA - Region III
   1650 Arch Street
   Philadelphia, PA 19103-2029

3. If the permittee elects to begin using DEP's eDMR system to submit DMRs required by the permit, the permittee shall, to assure continuity of business operations, continue using the eDMR system to submit all DMRs and Supplemental Reports required by the permit, unless the following steps are completed to discontinue use of eDMR:

   a. The permittee shall submit written notification to the regional office that issued the permit that it intends to discontinue use of eDMR. The notification shall be signed by a principal executive officer or authorized agent of the permittee.

   b. The permittee shall continue using eDMR until the permittee receives written notification from DEP's Central Office that the facility has been removed from the eDMR system, and electronic report submissions are no longer expected.

4. The completed DMR Form shall be signed and certified by either of the following applicable persons, as defined in 25 Pa. Code 92a.22:

   - For a corporation - by a principal executive officer of at least the level of vice president, or an authorized representative, if the representative is responsible for the overall operation of the facility from which the discharge described in the NPDES form originates.
   - For a partnership or sole proprietorship - by a general partner or the proprietor, respectively.
   - For a municipality, state, federal or other public agency - by a principal executive officer or ranking elected official.

   If signed by a person other than the above, written notification of delegation of DMR signatory authority must be submitted to DEP in advance of or along with the relevant DMR form. (40 CFR 122.22(b))

5. If the permittee monitors any pollutant at monitoring points as designated by this permit, using analytical methods described in Part A III.A.4. herein, more frequently than the permit requires, the results of this monitoring shall be incorporated, as appropriate, into the calculations used to report self-monitoring data on the DMR. (40 CFR 122.41(l)(4)(ii))

C. Reporting Requirements

1. Planned Changes to Physical Facilities – The permittee shall give notice to DEP as soon as possible of any planned physical alterations or additions to the permitted facility. A permit under 25 Pa. Code Chapter 91 may be required for these situations prior to implementing the planned changes. A permit application, or other written submission to DEP, can be used to satisfy the notification requirements of this section. Notice is required when:

a. The alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source in 40 CFR §122.29(b). (40 CFR 122.41(l)(1)(i))

b. The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are not subject to effluent limitations in this permit. (40 CFR 122.41(l)(1)(ii))

c. The alteration or addition results in a significant change in the permittee's sludge use or disposal practices, and such alteration, addition, or change may justify the application of permit conditions that are different from or absent in the existing permit, including notification of additional use or disposal sites not reported during the permit application process or not reported pursuant to an approved land application plan. (40 CFR 122.41(l)(1)(iii))

d. The planned change may result in noncompliance with permit requirements. (40 CFR 122.41(l)(2))

e. The facility is proposing an expansion or modifications to its treatment processes. (25 Pa. Code 92a.24(a))

1. Planned Changes to Waste Stream – Under the authority of 25 Pa. Code 92a.24(a), the permittee shall provide notice to DEP as soon as possible but no later than 45 days prior to any changes in the volume or pollutant concentration of its influent waste stream as a result of indirect discharges or hauled-in wastes, as specified in paragraphs 2.a. and 2.b., below. Notice shall be provided on the "Planned Changes to Waste Stream" Supplemental Report (3800-FM-WSFR0482), available on DEP's web site. The permittee shall provide information on the quality and quantity of waste introduced into the facility, and any anticipated impact of the change on the quantity or quality of effluent to be discharged from the facility. The Report shall be sent via Certified Mail or other means to confirm DEP's receipt of the notification. DEP will determine if the submission of a new application and receipt of a new or amended permit is required.

   a. Introduction of New Pollutants (25 Pa. Code 92a.24(a))

      New pollutants are defined as parameters that meet one or more of the following criteria:

      (i) Were not detected in the facilities' influent waste stream as reported in the permit application, or were otherwise not analyzed in the influent and reported to DEP prior to permit issuance;

      (ii) Have not been previously approved to be included in the permittee's influent waste stream by DEP in writing.

      The permittee shall provide notification of the introduction of new pollutants in accordance with paragraph 2 above. The permittee may not authorize the introduction of new pollutants until the permittee receives DEP's written approval.

   b. Increased Loading of Approved Pollutants (25 Pa. Code 92a.24(a))

      Approved pollutants are defined as parameters that meet one or more of the following criteria:

      (i) Were detected in the facilities' influent waste stream as reported in the permittee's permit application or were otherwise analyzed and reported to DEP prior to permit issuance;

      (ii) Have an effluent limitation or monitoring requirement in this permit;

      (iii) Have been previously approved for the permittee's influent waste stream by DEP in writing.

      The permittee shall provide notification of the introduction of increased influent loading (lbs/day) of approved pollutants in accordance with paragraph 2 above when (1) the cumulative increase in influent loading (lbs/day) exceeds 10% of the maximum loading reported in the permit application,

or a loading previously approved by DEP, or (2) may cause an exceedance in the effluent of Effluent Limitation Guidelines (ELGs) or limitations in Part A of this permit, or (3) may cause interference or pass through at the facility, or (4) may cause exceedances of the applicable water quality standards in the receiving stream. Unless specified otherwise in this permit, if DEP does not respond to the notification within 30 days of its receipt, the permittee may proceed with the increase in loading. The acceptance of increased loading of approved pollutants may not result in an exceedance of ELGs or effluent limitations and may not cause exceedances of the applicable water quality standards in the receiving stream.

3. Reporting Requirements for Hauled-In Wastes

   a. Receipt of Residual Waste

      (i) The permittee shall document the receipt of all hauled-in residual wastes (including but not limited to wastewater from oil and gas wells, food processing waste, and landfill leachate) received for processing at the treatment facility. The permittee shall report hauled-in residual wastes on a monthly basis to DEP on the "Hauled In Residual Wastes" Supplemental Report (3800-FM-WSFR0450) as an attachment to the DMR. If no residual wastes were received during a month, submission of the Supplemental Report is not required.

      The following information is required by the Supplemental Report. The information used to develop the Report shall be retained by the permittee for five years from the date of receipt and must be made available to DEP or EPA upon request.

      (1) The dates that residual wastes were received.

      (2) The volume (gallons) of wastes received.

      (3) The license plate number of the vehicle transporting the waste to the treatment facility.

      (4) The permit number(s) of the well(s) where residual wastes were generated, if applicable.

      (5) The name and address of the generator of the residual wastes.

      (6) The type of wastewater.

      (7) Documentation of whether or not a chemical analysis of the residual wastes were reported on a Residual Waste Form 26R, or a separate waste characterization using the parameters from Form 26R.

      The transporter of residual waste must maintain these and other records as part of the daily operational record (25 Pa. Code 299.219). If the transporter is unable to provide this information, the residual wastes shall not be accepted by the permittee until such time as the transporter is able to provide the required information.

      (ii) The following conditions apply to the characterization of residual wastes received by the permitted treatment facility:

      (1) The permitted facility must receive and maintain on file a characterization of the residual wastes it receives from the generator, as required by 25 Pa. Code 287.54. The characterization shall conform to the Bureau of Waste Management's Form 26R except as noted in paragraph (2), below. Each load of residual waste received must be characterized accordingly.

      (2) For wastewater generated from hydraulic fracturing operations ("frac wastewater") within the first 30 production days of a well site, the characterization may be a general frac wastewater characterization approved by DEP. Thereafter, the characterization must be waste-specific and reported on the Form 26R.

b. Receipt of Municipal Waste

(i) The permittee shall document the receipt of all hauled-in municipal wastes (including but not limited to septage and liquid sewage sludge) received for processing at the treatment facility. The permittee shall report hauled-in municipal wastes on a monthly basis to DEP on the "Hauled In Municipal Wastes" Supplemental Report (3800-FM-WSFR0437) as an attachment to the DMR. If no municipal wastes were received during a month, submission of the Supplemental Report is not required.

The following information is required by the Supplemental Report:

(1) The dates that municipal wastes were received.

(2) The volume (gallons) of wastes received.

(3) The BOD_5 concentration (mg/l) and load (lbs) for the wastes received.

(4) The location(s) where wastes were disposed of within the treatment facility.

(ii) Sampling and analysis of hauled-in municipal wastes must be completed to characterize the organic strength of the wastes, unless composite sampling of influent wastewater is performed at a location downstream of the point of entry for the wastes.

4. Unanticipated Noncompliance or Potential Pollution Reporting

a. Immediate Reporting - The permittee shall immediately report any incident causing or threatening pollution in accordance with the requirements of 25 Pa. Code Sections 91.33 and 92a.41(b).

(i) If, because of an accident, other activity or incident a toxic substance or another substance which would endanger users downstream from the discharge, or would otherwise result in pollution or create a danger of pollution or would damage property, the permittee shall immediately notify DEP by telephone of the location and nature of the danger. Oral notification to the Department is required as soon as possible, but no later than 4 hours after the permittee becomes aware of the incident causing or threatening pollution.

(ii) If reasonably possible to do so, the permittee shall immediately notify downstream users of the waters of the Commonwealth to which the substance was discharged. Such notice shall include the location and nature of the danger.

(iii) The permittee shall immediately take or cause to be taken steps necessary to prevent injury to property and downstream users of the waters from pollution or a danger of pollution and, in addition, within 15 days from the incident, shall remove the residual substances contained thereon or therein from the ground and from the affected waters of this Commonwealth to the extent required by applicable law.

b. The permittee shall report any noncompliance which may endanger health or the environment in accordance with the requirements of 40 CFR 122.41(l)(6). These requirements include the following obligations:

(i) 24 Hour Reporting - The permittee shall orally report any noncompliance with this permit which may endanger health or the environment within 24 hours from the time the permittee becomes aware of the circumstances. The following shall be included as information which must be reported within 24 hours under this paragraph:

(1) Any unanticipated bypass which exceeds any effluent limitation in the permit;

(2) Any upset which exceeds any effluent limitation in the permit; and

(3) Violation of the maximum daily discharge limitation for any of the pollutants listed in the permit as being subject to the 24-hour reporting requirement. (40 CFR 122.44(g))

(ii) Written Report - A written submission shall also be provided within 5 days of the time the permittee becomes aware of any noncompliance which may endanger health or the environment. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.

(iii) Waiver of Written Report - DEP may waive the written report on a case-by-case basis if the associated oral report has been received within 24 hours from the time the permittee becomes aware of the circumstances which may endanger health or the environment. Unless such a waiver is expressly granted by DEP, the permittee shall submit a written report in accordance with this paragraph. (40 CFR 122.41(l)(6)(iii))

5. Other Noncompliance

The permittee shall report all instances of noncompliance not reported under paragraph C.4 of this section or specific requirements of compliance schedules, at the time DMRs are submitted, on the Non-Compliance Reporting Form (3800-FM-WSFR0440). The reports shall contain the information listed in paragraph C.4.b.(ii) of this section. (40 CFR 122.41(l)(7))

D. Specific Toxic Pollutant Notification Levels (for Manufacturing, Commercial, Mining, and Silvicultural Direct Dischargers) - The permittee shall notify DEP as soon as it knows or has reason to believe the following: (40 CFR 122.42(a))

1. That any activity has occurred, or will occur, which would result in the discharge of any toxic pollutant which is not limited in this permit, if that discharge on a routine or frequent basis will exceed the highest of the following "notification levels": (40 CFR 122.42(a)(1))

a. One hundred micrograms per liter.

b. Two hundred micrograms per liter for acrolein and acrylonitrile.

c. Five hundred micrograms per liter for 2,4-dinitrophenol and 2-methyl-4,6-dinitrophenol.

d. One milligram per liter for antimony.

e. Five times the maximum concentration value reported for that pollutant in this permit application.

f. Any other notification level established by DEP.

2. That any activity has occurred or will occur which would result in any discharge, on a nonroutine or infrequent basis, of a toxic pollutant which is not limited in this permit, if that discharge will exceed the highest of the following "notification levels": (40 CFR 122.42(a)(2))

a. Five hundred micrograms per liter.

b. One milligram per liter for antimony.

c. Ten times the maximum concentration value reported for that pollutant in the permit application.

d. Any other notification level established by DEP.

PART B

I. MANAGEMENT REQUIREMENTS

A. Compliance Schedules (25 Pa. Code 92a.51 and 40 CFR 122.47(a))

1. The permittee shall achieve compliance with the terms and conditions of this permit within the time frames specified in this permit.

2. The permittee shall submit reports of compliance or noncompliance, or progress reports as applicable, for any interim and final requirements contained in this permit. Such reports shall be submitted no later than 14 days following the applicable schedule date or compliance deadline. (40 CFR 122.47(a)(4))

B. Permit Modification, Termination, or Revocation and Reissuance

1. This permit may be modified, terminated, or revoked and reissued during its term in accordance with 25 Pa. Code 92a.72 and 40 CFR 122.41(f).

2. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition. (40 CFR 122.41(f))

3. In the absence of DEP action to modify or revoke and reissue this permit, 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 specified in the regulations that establish those standards or prohibitions. (40 CFR 122.41(a)(1))

C. Duty to Provide Information

1. The permittee shall furnish to DEP, within a reasonable time, any information which DEP may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. (40 CFR 122.41(h))

2. The permittee shall furnish to DEP, upon request, copies of records required to be kept by this permit. (40 CFR 122.41(h))

3. Other Information - 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 DEP, it shall promptly submit the correct and complete facts or information. (40 CFR 122.41(l)(8))

D. Proper Operation and Maintenance

The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the terms and conditions of this permit. Proper operation and maintenance includes, but is not limited to, adequate laboratory controls including appropriate quality assurance procedures. This provision also includes the operation of backup or auxiliary facilities or similar systems that are installed by the permittee, only when necessary to achieve compliance with the terms and conditions of this permit. (40 CFR 122.41(e))

E. Duty to Mitigate

The permittee shall take all reasonable steps to minimize or prevent any discharge, sludge use or disposal in violation of this permit that has a reasonable likelihood of adversely affecting human health or the environment. (40 CFR 122.41(d))

F. Bypassing

1. Bypassing Not Exceeding Permit Limitations - The permittee may allow a 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 in paragraphs two, three and four of this section. (40 CFR 122.41(m)(2))

2. Other Bypassing - In all other situations, bypassing is prohibited and DEP may take enforcement action against the permittee for bypass unless:

   a. A bypass is unavoidable to prevent loss of life, personal injury or "severe property damage." (40 CFR 122.41(m)(4)(i)(A))

   b. There are 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 backup 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. (40 CFR 122.41(m)(4)(i)(B))

   c. The permittee submitted the necessary notice required in F.4.a. and b. below. (40 CFR 122.41(m)(4)(i)(C))

3. DEP may approve an anticipated bypass, after considering its adverse effects, if DEP determines that it will meet the conditions listed in F.2. above. (40 CFR 122.41(m)(4)(ii))

4. Notice

   a. Anticipated Bypass – If the permittee knows in advance of the need for a bypass, it shall submit prior notice, if possible, at least 10 days before the bypass. (40 CFR 122.41(m)(3)(i))

   b. Unanticipated Bypass

      (i) The permittee shall submit immediate notice of an unanticipated bypass causing or threatening pollution. The notice shall be in accordance with Part A III.C.3.a.

      (ii) The permittee shall submit oral notice of any other unanticipated bypass within 24 hours, regardless of whether the bypass may endanger health or the environment or whether the bypass exceeds effluent limitations. The notice shall be in accordance with Part A III.C.3.b.

II. PENALTIES AND LIABILITY

A. Violations of Permit Conditions

Any person violating Sections 301, 302, 306, 307, 308, 318 or 405 of the Clean Water Act or any permit condition or limitation implementing such sections in a permit issued under Section 402 of the Act is subject to civil, administrative and/or criminal penalties as set forth in 40 CFR §122.4l(a)(2).

Any person or municipality, who violates any provision of this permit; any rule, regulation or order of DEP; or any condition or limitation of any permit issued pursuant to the Clean Streams Law, is subject to criminal and/or civil penalties as set forth in Sections 602, 603 and 605 of the Clean Streams Law.

B. Falsifying Information

Any person who does any of the following:

- Falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit, or

- 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 and/or imprisonment as set forth in *18 Pa.C.S.A § 4904* and 40 CFR §122.41(j)(5) and (k)(2).

C. Liability

Nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance pursuant to Section 309 of the Clean Water Act or Sections 602, 603 or 605 of the Clean Streams Law.

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

D. Need to Halt or Reduce Activity Not a Defense

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

III. OTHER RESPONSIBILITIES

A. Right of Entry

Pursuant to Sections 5(b) and 305 of Pennsylvania's Clean Streams Law, and Title 25 Pa. Code Chapter 92 and 40 CFR §122.41(i), the permittee shall allow authorized representatives of DEP and EPA, upon the presentation of credentials and other documents as may be required by law:

1. To 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; (40 CFR 122.41(i)(1))

2. To have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit; (40 CFR 122.41(i)(2))

3. To inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices or operations regulated or required under this permit; and (40 CFR 122.41(i)(3))

4. To sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Clean Water Act or the Clean Streams Law, any substances or parameters at any location. (40 CFR 122.41(i)(4))

B. Transfer of Permits

1. Transfers by modification. Except as provided in paragraph 2 of this section, a permit may be transferred by the permittee to a new owner or operator only if this permit has been modified or revoked and reissued, or a minor modification made to identify the new permittee and incorporate such other requirements as may be necessary under the Clean Water Act. (40 CFR 122.61(a))

2. Automatic transfers. As an alternative to transfers under paragraph 1 of this section, any NPDES permit may be automatically transferred to a new permittee if:

   a. The current permittee notifies DEP at least 30 days in advance of the proposed transfer date in paragraph 2.b. of this section; (40 CFR 122.61(b)(1))

b. The notice includes the appropriate DEP transfer form signed by the existing and new permittees containing a specific date for transfer of permit responsibility, coverage and liability between them; (40 CFR 122.61(b)(2))

c. DEP does not notify the existing permittee and the proposed new permittee of its intent to modify or revoke and reissue this permit, the transfer is effective on the date specified in the agreement mentioned in paragraph 2.b. of this section; and (40 CFR 122.61(b)(3))

d. The new permittee is in compliance with existing DEP issued permits, regulations, orders and schedules of compliance, or has demonstrated that any noncompliance with the existing permits has been resolved by an appropriate compliance action or by the terms and conditions of the permit (including compliance schedules set forth in the permit), consistent with 25 Pa. Code 92a.51 (relating to schedules of compliance) and other appropriate DEP regulations. (25 Pa. Code 92a.71)

3. In the event DEP does not approve transfer of this permit, the new owner or controller must submit a new permit application.

C. Property Rights

The issuance of this permit does not convey any property rights of any sort, or any exclusive privilege. (40 CFR 122.41(g))

D. Duty to Reapply

If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee must apply for a new permit. (40 CFR 122.41(b))

E. Other Laws

The issuance of this permit does not authorize any injury to persons or property or invasion of other private rights, or any infringement of state or local law or regulations.

IV. ANNUAL FEES

Permittees shall pay an annual fee in accordance with 25 Pa. Code § 92a.62. Annual fee amounts are specified in the following schedule and are due on each anniversary of the effective date of the most recent new or reissued permit. All flows identified in the schedule are annual average design flows. (25 Pa. Code 92a. 62)

Minor IW Facility without ELG (Effluent Limitation Guideline)	$500
Minor IW Facility with ELG	$1,500
Major IW Facility < 250 MGD (million gallons per day)	$5,000
Major IW Facility ≥ 250 MGD	$25,000
IW Stormwater Individual Permit	$1,000
CAAP (Concentrated Aquatic Animal Production Facility)	$0

As of the effective date of this permit, the facility covered by the permit is classified in the following fee category: **Major IW Facility <250 MGD**.

Invoices for annual fees will be mailed to permittees approximately three months prior to the due date. In the event that an invoice is not received, the permittee is nonetheless responsible for payment. Throughout a five year permit term, permittees will pay four annual fees followed by a permit renewal application fee in the last year of permit coverage. Permittees may contact the DEP at 717-787-6744 with questions related to annual fees.

Payment for annual fees shall be remitted to DEP at the address below by the anniversary date. Checks should be made payable to the Commonwealth of Pennsylvania.

PA Department of Environmental Protection
Bureau of Point and Non-Point Source Management
Re: Chapter 92a Annual Fee
P.O. Box 8466
Harrisburg, PA 17105-8466

PART C

OTHER REQUIREMENTS

1. In accordance with Part A.III.B of this permit, the permittee shall submit a copy of the Discharge Monitoring Reports to each of the following:

   Department of Environmental Protection
   Water Management
   400 Waterfront Drive
   Pittsburgh, PA 15222-4745

   U.S. EPA - Region III
   NPDES Enforcement Branch (3WP42)
   1650 Arch Street
   Philadelphia, PA 19103-2029

   Attn: Water Quality Specialist
   Department of Environmental Protection
   Cambria Office
   286 Industrial Park Road
   Ebensburg, PA 15931-4119

2. Effluent limitations, monitoring requirements, and other standard and special conditions which relate to the discharge of pollutants authorized by this permit and which are contained in Water Quality Management Permit(s)

   No. 368S039 issued on November 1, 1968
   No. 3269201 issued on February 4, 1969
   No. 3272203 issued on April 3, 1973
   No. 3273404 issued on October 11, 1973
   No. 3274407 issued on August 12, 1974

   or any subsequent amendments or transfers are superseded by the terms and conditions of this permit, unless specifically noted otherwise herein.

3. Collected screenings, slurries, sludges and other solids shall be handled and disposed of in compliance with 25 Pa. Code, Chapters 271, 273, 275, 283, and 285 (related to permits and requirements for landfilling, land application, incineration and storage of sewage sludge) Federal Regulations 40 CFR 257, and the Federal Clean Water Act and its amendments.

4. Sludges and other solids shall be handled and disposed of in compliance with the Solid Waste Management Act of 1980 (Act 97) and with 25 Pa. Code, Chapters 287, 291, and 299 (relating to residual waste generators) and 288 and 289 (relating to residual waste landfills and impoundments) and the Federal Clean Water Act and its amendments.

5. All discharges of floating materials, oil, grease, scum and substances which produce tastes, odors, turbidity or settle to form deposits shall be controlled at levels which will not

be inimical or harmful to the water uses to be protected or to human, animal, plant or aquatic life.

6. Effective disinfection to control disease producing organisms shall be the production of an effluent which will contain a concentration of fecal coliform organisms not greater than

   a. 200/100 ml as a monthly geometric mean, nor greater than 1000/100 ml in more than ten percent of the samples examined during any month from May through September inclusive.

   b. 2000/100 ml as a monthly geometric mean based on five consecutive samples collected on different days during any month from October through April inclusive.

7. In no case shall the arithmetic means of the effluent values of the biochemical oxygen demand (BOD-5 Day) and suspended solids discharged during a period of 30 consecutive days exceed 15 percent of respective arithmetic means of the influent values for those parameters during the same time period except as specifically authorized by the Department.

8. There shall be no net addition of pollutants to non-contact cooling water over intake values except for heat and water conditioning additives for which complete information was submitted in the application or is required to be submitted as a condition of this permit.

9. Any overflow, increase in volume of a discharge or discharge from a bypass system caused by precipitation or snowmelt equal to or greater than the volume of runoff associated with 10 year-24 hour event shall be monitored at Outfalls 011 and 012. The permittee shall have the burden of demonstrating that the facility is designed, constructed and maintained to contain or treat the volume of water which would fall on the areas covered by this permit during a l0-year 24-hour precipitation event (or snowmelt of equivalent volume).

10. The discharge may not change the temperature of the receiving stream by more than 2°F in any one hour period.

11. <u>Storm Water Discharges</u>

   A. Except as provided in Section B of this condition, all storm water discharges shall be composed entirely of uncontaminated storm water.

   B. The following non-storm water discharges are authorized provided the non-storm water component of the discharge is in compliance with Section C of this condition: discharges from firefighting activities, fire hydrant flushings, potable water sources including waterline flushings, irrigation drainage, lawn watering, routine external building washdown which does not use detergents or other compounds, pavement washwaters where spills or leaks of toxic or hazardous materials have not occurred (unless all spilled material has been removed) and where detergents are not used, air conditioning condensate, springs, uncontaminated ground water, and foundation

or footing drains where flows are not contaminated with process materials such as solvents.

C. This permit does not authorize any discharge (storm water or non-storm water) which contains any pollutant that may cause or contribute to an impact on aquatic life or pose a substantial hazard to human health or the environment due to its quantity or concentration.

D. This permit does not authorize the discharge of any pollutant resulting from an on-site spill, any such occurrence is subject to Sections A.3.c or d of this permit.

E. Preparedness, Prevention and Contingency Plans (PPC)

1. Operators of facilities shall review and revise as appropriate the PPC Plan for the site in accordance with 25 PA Code Section 101.3 to address storm water. The PPC Plan shall identify potential sources of pollution which may reasonably be expected to affect the quality of storm water discharges from the facility. Each of the following shall be evaluated for the reasonable potential for contributing pollutants to runoff: loading and unloading operations, outdoor storage activities, outdoor manufacturing or processing activities, significant dust or particulate generating process, and on-site waste disposal practices. Factors to consider include the toxicity of chemicals; quantity of chemicals used, produced or discharged; the likelihood of contact with storm water; and history of significant leaks or spills of toxic or hazardous pollutants. In addition, the PPC Plan shall describe the implementation of practices which are to be used to reduce the pollutants in storm water discharges ensuring compliance with the terms and conditions of this permit.

2. Facilities subject to SARA Title III, Section 313 reporting requirements for releases of Section 313 water priority chemicals that have occurred within the last three years shall include a description of such releases in the PPC Plan.

3. Qualified personnel shall conduct site compliance evaluations at least once a year. A report summarizing the evaluation and any required follow-up actions shall be prepared and kept on-site. Such evaluations shall include the items in 3.a of this condition.

a. Areas contributing to a storm water discharge shall be visually inspected for evidence of, or the potential for, pollutants entering the drainage system. Measures to reduce pollutant loadings shall be evaluated to determine whether they are adequate and properly implemented in accordance with the terms of the permit or whether additional control measures are needed. Structural storm water management measures, sediment and erosion control measures, and other structural pollution prevention measures identified in the plan shall be observed to ensure that they are operating correctly.

b. Based on the results of the inspection, the description of potential pollutant sources and pollution prevention measures and controls identified in the PPC Plan shall be revised as appropriate and shall provide for implementation of any changes to the plan in a timely manner.

F. Sampling Requirements

If storm water samples are required by Part A of this permit, they shall be collected as a grab sample during the first 30 minutes of the discharge. Analytical results of the sampling event shall be summarized on the attached Discharge Monitoring Reports (DMR) and submitted to the Department. If it is not practicable to collect samples due to adverse climatic conditions, or other circumstances beyond the permittee's control, the discharger must submit an explanation with the DMR as to exactly why the samples could not be collected.

12. Total Residual Chlorine (TRC) Minimization

The permittee will ensure that applied chlorine dosages, used for disinfection or other purposes, are optimized to the degree necessary such that the total residual chlorine in the discharge does not cause an adverse stream impact. In doing so, the permittee shall consider relevant factors affecting chlorine dosage, such as wastewater characteristics, mixing and contact times, desired result of chlorination, and expected impact on the receiving water body.

To reduce or eliminate the amount of chlorine discharged into water bodies, the permittee must: (1) improve/adjust process controls and (2) improve operation/maintenance practices.

If the Department determines or receives documented evidence levels of TRC in the permittee's effluent are causing adverse impacts in the receiving water, the permittee shall institute necessary additional steps to reduce or eliminate such impact.

13. Usage rates of any chemical additives used at this facility that may be discharged and blow-down rates shall be controlled by the permittee to prevent any impairments to receiving water uses and/or effluent limit violations. Chemical additives include, but are not limited to, any chemicals added to water for control of corrosion, scaling, algae, slime or fouling in cooling, boiler, or process water systems. Chemical additives also include, but are not limited to agents used to aid in treatment such as water softeners, flocculants, coagulants, emulsion breakers, anti-foaming agents, dispersants, oxygen scavengers, pH stabilizers, and regenerants. Usage rates shall be limited to the minimum amount necessary to accomplish the intended purpose of the chemical addition.

Accurate and complete records of chemical usage and discharge volumes must be maintained and summarized on a monthly basis using the attached form and kept on-site by the permittee. These records must be produced upon request by the Department. The "allowable usage rate" is the rate specified in the information submitted as required below unless notified otherwise by the Department.

The information described below must be submitted within ninety (90) days of the effective date of this permit (with 2 copies) for all chemical additives currently in use at this facility.

a. Trade name of the additive.

b. Name, address and phone number of the chemical additive manufacturer.

c. A list of all the active and inactive ingredients.

d. The additive usage rate (in lb/day or gal/day).

e. The conditioned water discharge rate (MGD).

f. The "in-system" concentration of whole product which the usage rate in item d. above will produce (mg/l). Include the product density (lb/gal) for liquids used to convert usage rate (gal/day) to concentration (mg/l).

g. Any available data regarding in-system degradation or decomposition of the additive and any other data or information that would be helpful to the Department in completing its review.

h. The expected concentration of the product at the final outfall.

i. The analytical test method that could be used to verify final outfall concentrations and the associated minimum analytical detection level.

j. A flow diagram showing the point of chemical addition and the affected outfalls.

k. 96 hour - LC50 bioassay data on the whole product for at least one species of freshwater fish (mg/l).

l. The MSDS and any mammalian toxicity data that is available for the whole product.

If the additive is currently in use at the facility, it may continue to be used at the maximum rate reported pursuant to item d. above unless the permittee is notified otherwise.

Whenever a change in chemical additives or an increase in usage rates is desired by the permittee, a complete written notification shall be submitted at least sixty (60) days prior to the proposed use of the chemical. This notification, at a minimum shall include the information outlined above. If the information is complete, and its use is not specifically denied, use of the proposed chemical additive is allowed 60 days after notification. The usage rate shall not exceed the maximum rate reported pursuant to item d. above.

Use of additives that contain one or more ingredients that are carcinogens are generally prohibited, and should be substituted with alternative products. If no alternatives are available, the permittee must submit written documentation with the information required above that no alternatives are available and that the carcinogen involved will be "not detectable" in the final effluent using the most sensitive analytical method available.

Based on the information submitted, the Department will determine if any effluent limitations or other restrictions are necessary to protect water quality standards for aquatic life or human health. The permittee is responsible for preventing impairments to receiving water uses independent of the Department's review of this material.

14. For Outfall 001, 126 and 226, neither free available chlorine nor total residual chlorine may be discharged from any unit for more than two hours in any one day and not more than one unit in any plant may discharge free available or total residual chlorine at any one time unless the utility can demonstrate to the Bureau that the units in a particular location cannot operate at or below this level of chlorination.

15. The permittee shall maintain warning signs at outfall 001 in a clearly visible location reading "CAUTION! WATER MAY BE HOT! AVOID CONTACT!"

16. In accordance with part A.III.B.2 of this permit, the permittee shall submit a copy of the attached Supplemental Sewage Sludge Report to accompany each copy of the monthly Discharge Monitoring Reports to the addresses as specified above, with the exception that the Supplemental Sewage Sludge report shall not be submitted to the Environmental Protection Agency. This form must be submitted even if sewage sludge is not hauled in a given month, in this event enter "no sludge hauled."

17. When collecting samples that are to be analyzed for any of the priority pollutants, the permittee shall collect the sample type required by Part A of this permit, and the permittee shall use the methods and techniques in the attached instructions "Department of Environmental Resources, Water Quality Management - Sampling and Analytical Testing Instruction" (October 1988). For each priority pollutant, the permittee shall use a method that will quantifiably measure the priority pollutant at or below the effluent limitation in Part A of this permit.

18. There shall be no discharge of polychlorinated biphenyl (PCB) compounds such as those commonly used for transformer fluid.

19. Outfalls 001, 126 and 226 shall have no detectable amount of the 126 priority pollutants (as shown in Appendix A of 40 CFR 423) contained in chemicals added for cooling tower maintenance, except for chromium and zinc as shown in Part A of the permit.

20. The discharge of hydrostatic test water from any existing petroleum product storage tanks and/or new tanks is approved on an as-needed basis and is subject to the following conditions:

    a. Use of chlorinated water such as a municipal supply should be avoided as the source of test water. If municipal water must be used, the water must be retained in the tank for at least 24 hours prior to discharge. If surface waters are used as the source of test water, the water withdrawn from the stream must be less than 25% of the stream flow and the discharge cannot increase the flow of the stream by more than 25%. When testing multiple tanks, the test water must be conveyed from the smallest tank to the largest tank adding water as needed, then drain the last tank in accordance with this approval.

b. All tanks must be thoroughly cleaned prior to hydrostatic testing to remove any contaminants to the best practicable extent.

c. Water shall be discharged through an energy dissipater (bales of straw, geotech mesh, etc.) at a controlled rate to minimize erosion. The permittee shall comply with Chapter 102 of the Department's Rules and Regulations and the Department's "Soil Erosion and Sedimentation Control Manual". The water shall be discharged to the outfall without passing through the oil/water separators to prevent washout of removed materials.

d. The discharge shall not contain any substances in concentration or amount sufficient to be harmful to water uses protected or to human, animal, plant or aquatic life. The discharger is responsible for any impairment of water use that occurs as a result of this discharge. The Department reserves the right to require that the discharge be discontinued.

e. All water discharged must be properly directed so that it causes no nuisance conditions and does not pool or pond prior to reaching a surface water.

f. The discharge of hydrostatic test water must comply with the following effluent limitations and monitoring requirements:

Parameter	Instantaneous Maximum (mg/l)[1]	Sampling Frequency[1]	Sample Type
Flow (gpm)	Monitor/Report	2/discharge	measured
Duration (hours)	Monitor/Report	continuous	N/A
Dissolved Oxygen	Minimum of 5	2/discharge	grab
Suspended Solids	60	2/discharge	grab
Oil and Grease	30	2/discharge	grab
Iron	7.0	2/discharge	grab
Benzene[4]	0.0025	2/discharge	grab
BTEX[2,4]	0.25	2/discharge	grab
Ethylbenzene[4]	Monitor/Report	2/discharge	grab
Toluene[4]	Monitor/Report	2/discharge	grab
Xylenes (tot)[4]	Monitor/Report	2/discharge	grab
Total Residual Chlorine[3]	0.05	2/discharge	grab
pH standard units	Between 6 and 9 at all times	2/discharge	grab

[1] One grab is to be collected from the onset of the discharge; the second at the midpoint of the discharge. The results of any single grab sample must comply with the instantaneous maximum limitation.

[2] BTEX is the sum of analytical results for Benzene, Toluene, Ethylbenzene and Xylenes

[3] Only if chlorinated water is used as the source of test water.

[4] These limits and monitoring requirements do not apply to newly constructed tanks which have not yet stored any product or raw material.

g. The results of the effluent analyses required above, including all individual grab samples, must be summarized on the attached reporting form and submitted to the address in Part C.1 above within 30 days of the discharge. The permittee is required to notify the Department and the Pennsylvania Fish Commission 30 days in advance of the discharge.

h. Sludges and other solids accumulated during these tests shall be handled and disposed of in accordance with the Solid Waste Management Act of 1980 (Act 97) and with 25 Pa. Code Chapters 287, 291 and 299 (relating to residual waste generators) and 288 and 289 (relating to residual waste landfills and impoundments) and the Federal Clean Water Act and its amendments.

21. Toxics Reduction Evaluation (TRE)

A. Water Quality-Based Effluent Limitations (WQBELs)

1. Based on the discharge and stream data currently available to the Department, the WQBELs for iron on Page 47 is necessary to protect the receiving stream uses designated in the Department's Rules and Regulations.

2. Within 60 days of the permit effective date (PED), the permittee must submit notification to the Department verifying one of the following options has been selected.

a. The permittee accepts the Department's data, assumptions and water quality modeling which was the basis for the WQBELs and will not proceed with optional site-specific data collection activities described in Section C of this condition. The WQBELs will be considered final and enforceable three years after the PED and should be used as the basis for conducting Phase II of the TRE.

b. During the period following permit issuance, and prior to the WQBELs becoming final, the permittee agrees to conduct site-specific discharge and/or stream data collection and provide the Department with data to verify or refine the WQBELs in accordance with the schedule in Section B.2, herein. If warranted, modified WQBELs will be established through a permit amendment. Any such permit amendment shall be considered a formal permitting action of the Department subject to applicable permit modification procedures.

If the permittee fails to select one of these options within 60 days of permit effective date, option A.2.a. is selected by default. If the permittee selects option A.2.b. and conducts TRE actions within the schedule in Section B.2 of this condition of the permit, herein, the Department will issue a written decision by letter or permit

amendment. The permittee will have 30 days from the date of receipt of such written Department letter or decision to file an appeal of the final WQBELs.

3. In either case, the Permittee must conduct a TRE as outlined below. Phase I of the TRE has both required and optional components.

B. TRE Submission Requirements

1. The TRE shall be developed to:

   a. confirm and quantify the presence of the pollutants in the discharge with WQBELs.
   b. verify or refine the modeling data and/or assumptions used to develop the WQBELs.
   c. identify sources of the pollutants with final WQBELs.
   d. recommend management practices, wastewater treatment technologies, or other control techniques to reduce or eliminate these pollutants.

2. A copy of the Department's "Guidelines for Conducting a Toxics Reduction Evaluation" is enclosed for your use. The TRE and associated reports shall be completed and submitted in accordance with the following schedule:

	Action	Date
a.	submit notification specified in A.2 above	within 60 days of PED
b.	submit work plan for conducting Phase I	within 90 days of PED
c.	start Phase I	within 120 days of PED
d.	submit complete Phase I report (3 copies)	within 18 months of PED
e.	start Phase II	within 30 days of notice from the Department to proceed with Phase II
f.	submit complete Phase II report	within 180 days of notice to proceed with Phase II
g.	progress reports	every three months starting 120 days after PED

C. Phase I TRE Requirements

1. The permittee is required to submit Phase I of the TRE consisting of the following components:

   a. influent and effluent quality review
   b. source inventory and evaluation
   c. source reduction evaluation
   d. implementation of pollution prevention, sound housekeeping practices, and other management practices.

2. The permittee has the option of providing all or some of the following site-specific data as part of Phase I for use in verifying and refining the WQBELs:

   - discharge hardness
   - discharge pollutant concentration and variability
   - design discharge flow
   - discharge mixing characteristics
   - pollutant fate characteristics
   - stream width, depth and slope
   - stream velocity
   - ambient stream data for pollutants, pH, temperature
   - instream hardness
   - water intake quality and quantity
   - treatment plant influent pollutant concentrations
   - chemical translators
   - Water Effects Ratio (WER)

   The permittee should contact the Department for guidance in determining which of the above data will have a significant impact on the WQBELs and also for protocols on collecting and submitting the data. The Department will determine the adequacy of any site-specific data submitted and advise the permittee accordingly. If initial review of the submitted data suggests that additional data collection is necessary, the Department will so advise the permittee. The Department will notify the permittee what effect, if any, the data have on the WQBELs using the procedure outlined in A.2 above.

3. Site-Specific Criteria

   The permittee may request an opportunity to demonstrate alternative, site-specific criteria for any pollutants with WQBELs. The procedures for carrying out such demonstrations must receive written approval in advance by the Department and must be in accordance with the requirements of Section 93.8 of the Department's Rules and Regulations.

   If the permittee chooses this option, requests for alternative, site-specific criteria must be submitted to the Department as part of the Phase I TRE report. Where the demonstration results in more stringent limitations than those previously established by the Department, the more stringent limitation

will apply. Any less stringent limitations which are approved by the Department shall not violate any other applicable water criteria.

4. Alternative Site Specific Method Detection Limits (MDL)

In some cases, the WQBEL may be less than the Method Detection Level (MDL) in the Department's Policy, 25 PA Code 16. In this event, the permittee has the option to demonstrate alternative, facility-specific MDLs to account for analytical matrix interference associated with the wastewater in question. The procedures for determining MDLs, published as Appendix B in 40 CFR 136 must be followed and complete documentation provided. The request for approval of alternative facility-specific MDLs including all documentation required to support such a request must be submitted to the Department with the Phase I TRE report. The Department may grant a facility specific MDL by specifying "not detectable" as a WQBEL and including the numeric alternate MDL value for compliance purposes through the permit modification or renewal process.

D. Phase II TRE Requirements

The permittee should not proceed with Phase II until notified by the Department to do so. Depending on the results of Phase I the WQBELs may need to be modified or Phase II may not be necessary.

1. Source Reduction Evaluation

In addition to those items in C.1 above, as part of Phase II, the permittee must conduct source reduction evaluations including recycle, reuse, and process/chemical substitution. The intent of this portion of the TRE is to investigate and implement all low-cost, non-structural alternatives to reduce pollutants.

2. Final WQBEL Compliance Strategies and Schedule

A complete TRE report must consist of identification and assessment of all available pollution control options (Best Management Practices and/or treatment technologies and other structural alternatives) and their ability to comply with the final WQBELs or other WQBELs identified in response to Phase I. The permittee must select a specific pollution control option that will achieve the applicable WQBELs and specify a schedule for the implementation of this option.

3. Section 95.4 Time Extension Requests

In some cases, the final WQBEL may not be technologically achievable using any combination of control options. In this event, the permittee has the option of requesting an extension of time to achieve the WQBEL, provided the permittee demonstrates eligibility for time extension under the requirements contained in 25 Pa. Code 95, Section 95.4 of the Department's

Rules and Regulations. If the permittee elects to submit the 95.4 time extension request, the request must be submitted with Phase II of the TRE report. Forms are available from the Department to be used for any such requests.

22. Toxics Reduction Evaluation (TRE)

A. Water Quality-Based Effluent Limitations (WQBELs)

1. Based on the discharge and stream data currently available to the Department, the WQBELs for arsenic, boron, cadmium, dissolved iron, nickel and thallium on Pages 14 and 15, are necessary to protect the receiving stream designated water uses in the Department's Rules and Regulations.

2. Within 60 days of the permit amendment effective date (PAED), the permittee must submit notification to the Department verifying one of the following options has been selected.

a. The permittee accepts the Department's data, assumptions and water quality modeling which was the basis for the WQBELs and will not proceed with optional site-specific data collection activities described in Section C of this condition. The WQBELs will be considered final and enforceable three years after the PED and should be used as the basis for conducting Phase II of the TRE.

b. During the period following permit issuance, and prior to the WQBELs becoming final, the permittee agrees to conduct site-specific discharge and/or stream data collection and provide the Department with data to verify or refine the WQBELs in accordance with the schedule in Section B.2, herein. If warranted, modified WQBELs will be established through a permit amendment. Any such permit amendment shall be considered a formal permitting action of the Department subject to applicable permit modification procedures.

If the permittee fails to select one of these options within 60 days of permit amendment effective date, option A.2.a. is selected by default. If the permittee selects option A.2.b. and conducts TRE actions within the schedule in Section B.2 of this condition of the permit, herein, the Department will issue a written decision by letter or permit amendment. The permittee will have 30 days from the date of receipt of such written Department letter or decision to file an appeal of the final WQBELs.

3. In either case, the Permittee must conduct a TRE as outlined below. Phase I of the TRE has both required and optional components.

B. TRE Submission Requirements

1. The TRE shall be developed to:

a. confirm and quantify the presence of the pollutants in the discharge with WQBELs.
b. verify or refine the modeling data and/or assumptions used to develop the WQBELs.
c. identify sources of the pollutants with final WQBELs.
d. recommend management practices, wastewater treatment technologies, or other control techniques to reduce or eliminate these pollutants.

2. A copy of the Department's "Guidelines for Conducting a Toxics Reduction Evaluation" is enclosed for your use. The TRE and associated reports shall be completed and submitted in accordance with the following schedule:

	Action	Date
a.	submit notification specified in A.2 above	within 60 days of PAED
b.	submit work plan for conducting Phase I	within 90 days of PAED
c.	start Phase I	within 120 days of PAED
d.	submit complete Phase I report (3 copies)	within 18 months of PAED
e.	start Phase II	within 30 days of notice from the Department to proceed with Phase II
f.	submit complete Phase II report	within 180 days of notice to proceed with Phase II
g.	progress reports	every three months starting 120 days after PAED

C. Phase I TRE Requirements

1. The permittee is required to submit Phase I of the TRE consisting of the following components:

a. influent and effluent quality review
b. source inventory and evaluation
c. source reduction evaluation
d. implementation of pollution prevention, sound housekeeping practices, and other management practices.

2. The permittee has the option of providing all or some of the following site-specific data as part of Phase I for use in verifying and refining the WQBELs:

- discharge hardness
- discharge pollutant concentration and variability
- design discharge flow
- discharge mixing characteristics
- pollutant fate characteristics
- stream width, depth and slope
- stream velocity
- ambient stream data for pollutants, pH, temperature
- instream hardness
- water intake quality and quantity
- treatment plant influent pollutant concentrations
- chemical translators
- Water Effects Ratio (WER)

The permittee should contact the Department for guidance in determining which of the above data will have a significant impact on the WQBELs and also for protocols on collecting and submitting the data. The Department will determine the adequacy of any site-specific data submitted and advise the permittee accordingly. If initial review of the submitted data suggests that additional data collection is necessary, the Department will so advise the permittee. The Department will notify the permittee what effect, if any, the data have on the WQBELs using the procedure outlined in A.2 above.

3. Site-Specific Criteria

The permittee may request an opportunity to demonstrate alternative, site-specific criteria for any pollutants with WQBELs. The procedures for carrying out such demonstrations must receive written approval in advance by the Department and must be in accordance with the requirements of Section 93.8 of the Department's Rules and Regulations.

If the permittee chooses this option, requests for alternative, site-specific criteria must be submitted to the Department as part of the Phase I TRE report. Where the demonstration results in more stringent limitations than those previously established by the Department, the more stringent limitation will apply. Any less stringent limitations which are approved by the Department shall not violate any other applicable water criteria.

4. Alternative Site Specific Method Detection Limits (MDL)

In some cases, the WQBEL may be less than the Method Detection Level (MDL) in the Department's Policy, 25 PA Code 16. In this event, the permittee has the option to demonstrate alternative, facility-specific MDLs to account for analytical matrix interference associated with the wastewater in question. The procedures for determining MDLs, published as Appendix B in 40 CFR 136 must be followed and complete documentation provided. The

request for approval of alternative facility-specific MDLs including all documentation required to support such a request must be submitted to the Department with the Phase I TRE report. The Department may grant a facility specific MDL by specifying "not detectable" as a WQBEL and including the numeric alternate MDL value for compliance purposes through the permit modification or renewal process.

D. Phase II TRE Requirements

The permittee should not proceed with Phase II until notified by the Department to do so. Depending on the results of Phase I the WQBELs may need to be modified or Phase II may not be necessary.

1. Source Reduction Evaluation

In addition to those items in C.1 above, as part of Phase II, the permittee must conduct source reduction evaluations including recycle, reuse, and process/chemical substitution. The intent of this portion of the TRE is to investigate and implement all low-cost, non-structural alternatives to reduce pollutants.

2. Final WQBEL Compliance Strategies and Schedule

A complete TRE report must consist of identification and assessment of all available pollution control options (Best Management Practices and/or treatment technologies and other structural alternatives) and their ability to comply with the final WQBELs or other WQBELs identified in response to Phase I. The permittee must select a specific pollution control option that will achieve the applicable WQBELs and specify a schedule for the implementation of this option.

3. Section 95.4 Time Extension Requests

In some cases, the final WQBEL may not be technologically achievable using any combination of control options. In this event, the permittee has the option of requesting an extension of time to achieve the WQBEL, provided the permittee demonstrates eligibility for time extension under the requirements contained in 25 Pa. Code 95, Section 95.4 of the Department's Rules and Regulations. If the permittee elects to submit the 95.4 time extension request, the request must be submitted with Phase II of the TRE report. Forms are available from the Department to be used for any such requests.

23. Within 90 days of commencement of the discharges, the permittee shall submit storm water sampling and analytical results consistent with the requirements of Module 13 of the NPDES Application for Permit to Discharge Industrial Wastewater for Internal Outfalls 213, 613 and 813 and Outfalls 030 and 032. The permittee shall provide written notification that the discharges have commenced within 10 days of commencement of the discharges from Internal Outfalls 213, 613 and 813 and Outfalls 030 and 032.

24. Total Maximum Daily Load (TMDL) Water Quality Based Effluent Limitations (WQBELs)

1. Based on the January 29, 2010 EPA approved Final TMDL for the Kiskiminetas and Conemaugh River Watersheds, the WQBELs for iron, aluminum and manganese on Pages 9, 14, 15, 22, 49, 54, 60, 64, and 76 are necessary to protect the receiving stream designated water uses in the Department's Rules and Regulations.

2. Prior to the effective date of the WQBELs, the permittee shall conduct a source reduction evaluation. The purpose of the source reduction evaluation shall be to investigate and implement all non-structural alternatives to reduce pollutants in the discharges assigned WQBELs.

   If implementation of source reduction measures does not result in iron, aluminum and manganese effluent concentrations that are less than the WQBELs for iron, aluminum and manganese, the permittee shall prepare a Water Quality Management Part II permit application for the construction of wastewater treatment systems designed to achieve the WQBELs for iron, aluminum and manganese.

3. The permittee shall conduct and implement the source reduction evaluation and comply with the WQBELs according to the following schedule:

a. Submit a work plan describing its Source Reduction Evaluation.	Within 60 days of the Permit Amendment Effective Date
b. Submit a Water Quality Management Part II Permit Application.	Within 2.5 years of Permit Amendment Effective Date
c. Submit progress reports. Reports shall include updates, attainment any progress made toward milestones, summary of results of any supplemental sampling and a discussion of compliance or non-compliance with interim and final requirements.	Every three months starting 120 days after Permit Amendment Effective Date
d. Compliance with final limits.	As soon as possible but no later than 3 years after Permit Amendment Effective Date

4. Site-Specific Criteria

   The permittee may request an opportunity to demonstrate alternative, site-specific criteria for iron, aluminum, and manganese. The procedures for carrying out such demonstrations must receive written approval in advance by the Department and must be conducted in accordance with the requirements of Section 93.8 of the Department’s Rules and Regulations.

   If the permittee chooses this option, any request for alternative, site-specific criteria must be submitted to the Department within 180 days of the Permit Amendment

Effective Date. Where the demonstration results in more stringent limitations than those previously established by the Department, the more stringent limitation will apply. Any less stringent limitations that are approved by the Department shall not violate any other applicable water quality criteria.

25. The permittee shall use the following test procedures and shall achieve the MDL for the pollutants listed:

Parameter Name	Required Analytical Test Method	MDL* (ug/l)
Mercury	1631E	0.0002
Selenium	200.9	0.6
Silver	200.7	2
Lead	200.9	0.7
Chromium VI	3120	7
Free Cyanide	4500-CN	NA

*Method Detection Limit

If the detection limit listed cannot be met, the permittee may be granted case-specific MDLs if they submit complete documentation demonstrating a matrix effect in their particular effluent. The permittee shall follow the procedure for determining MDLs published as Appendix B of 40 CFR Part 136 (relating to guidelines establishing test procedures).