



AUTHORIZATION TO DISCHARGE UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM DISCHARGE REQUIREMENTS FOR PUBLICLY OWNED TREATMENT WORKS (POTWs)

NPDES PERMIT NO: PA0044997

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.*,

Mount Pocono Municipal Authority Monroe County
1361 Pocono Boulevard
Mount Pocono, PA 18344-1045

is authorized to discharge from a facility known as **Mt Pocono Municipal Authority WWTP**, located in **Mount Pocono Borough, Monroe County**, to **Forest Hills Run (HQ-CWF)** in Watershed(s) **1-E** 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 DRAFT

THIS PERMIT SHALL EXPIRE AT MIDNIGHT ON DRAFT

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))

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	<u>DRAFT</u>	ISSUED BY	<u>DRAFT</u>
			Amy M. Bellanca, P.E. Environmental Program Manager Northeast Regional Office

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

I. A. For Outfall 001, Latitude 41° 6' 55.00", Longitude 75° 21' 6.00", River Mile Index 4.9, Stream Code 4953

Receiving Waters: Forest Hills Run (HQ-CWF) for Tier 1 (0.400 MGD NPDES Permit Basis flow)

Type of Effluent: Sewage Effluent

1. The permittee is authorized to discharge during the period from **31st Month of Permit** through **Tier 2 start or 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 and Footnotes).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) ⁽¹⁾		Concentrations (mg/L)				Minimum ⁽²⁾ Measurement Frequency*	Required Sample Type
	Average Monthly	Weekly Average	Minimum	Average Monthly	Weekly Average	Instant. Maximum		
Flow (MGD)	0.400	Report Daily Max	XXX	XXX	XXX	XXX	Continuous	Recorded
Total Residual Chlorine (TRC)	XXX	XXX	XXX	0.02	XXX	0.06	See Permit C.I.D	Grab
Temperature (deg F) (°F) Jan 1 - 31	XXX	XXX	XXX	XXX	38.9 Daily Max	XXX	Daily when Discharging	I-S
Temperature (deg F) (°F) Feb 1 - 29	XXX	XXX	XXX	XXX	38.7 Daily Max	XXX	Daily when Discharging	I-S
Temperature (deg F) (°F) Mar 1 - 31	XXX	XXX	XXX	XXX	43.4 Daily Max	XXX	Daily when Discharging	I-S
Temperature (deg F) (°F) Apr 1 - 15	XXX	XXX	XXX	XXX	49.3 Daily Max	XXX	Daily when Discharging	I-S
Temperature (deg F) (°F) Apr 16 - 30	XXX	XXX	XXX	XXX	53.6 Daily Max	XXX	Daily when Discharging	I-S
Temperature (deg F) (°F) May 1 - 15	XXX	XXX	XXX	XXX	56.4 Daily Max	XXX	Daily when Discharging	I-S
Temperature (deg F) (°F) May 16 - 31	XXX	XXX	XXX	XXX	60.4 Daily Max	XXX	Daily when Discharging	I-S
Temperature (deg F) (°F) Jun 1 - 15	XXX	XXX	XXX	XXX	64.2 Daily Max	XXX	Daily when Discharging	I-S
Temperature (deg F) (°F) Jun 16 - 30	XXX	XXX	XXX	XXX	68.2 Daily Max	XXX	Daily when Discharging	I-S

Outfall 001, Continued (from End of Interim Period 1 through Start of Final Period)

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) ⁽¹⁾		Concentrations (mg/L)				Minimum ⁽²⁾ Measurement Frequency*	Required Sample Type
	Average Monthly	Weekly Average	Minimum	Average Monthly	Weekly Average	Instant. Maximum		
Temperature (deg F) (°F) Jul 1 - 31	XXX	XXX	XXX	XXX	72.1 Daily Max	XXX	Daily when Discharging	I-S
Temperature (deg F) (°F) Aug 1 - 31	XXX	XXX	XXX	XXX	71.1 Daily Max	XXX	Daily when Discharging	I-S
Temperature (deg F) (°F) Sep 1 - 15	XXX	XXX	XXX	XXX	67.1 Daily Max	XXX	Daily when Discharging	I-S
Temperature (deg F) (°F) Sep 16 - 30	XXX	XXX	XXX	XXX	61.1 Daily Max	XXX	Daily when Discharging	I-S
Temperature (deg F) (°F) Oct 1 - 15	XXX	XXX	XXX	XXX	56.1 Daily Max	XXX	Daily when Discharging	I-S
Temperature (deg F) (°F) Oct 16 - 31	XXX	XXX	XXX	XXX	52.1 Daily Max	XXX	Daily when Discharging	I-S
Temperature (deg F) (°F) Nov 1 - 15	XXX	XXX	XXX	XXX	47.1 Daily Max	XXX	Daily when Discharging	I-S
Temperature (deg F) (°F) Nov 16 - 30	XXX	XXX	XXX	XXX	42.2 Daily Max	XXX	Daily when Discharging	I-S
Temperature (deg F) (°F) Dec 1 - 31	XXX	XXX	XXX	XXX	40.8 Daily Max	XXX	Daily when Discharging	I-S
Carbonaceous Biochemical Oxygen Demand (CBOD5)	6.1	9.2	XXX	10.0	15.0	20.0	1/week	24-Hr Composite
Total Suspended Solids	18.5	27.8	XXX	30.0	45.0	60.0	1/week	24-Hr Composite
Nitrate-Nitrite as N	8.5	17.0 Daily Max	XXX	13.8	27.6 Daily Max	27.6	1/week	24-Hr Composite
Ammonia-Nitrogen Nov 1 - Apr 30	2.8	5.7 Daily Max	XXX	4.62	9.24 Daily Max	9.24	1/week	24-Hr Composite
Ammonia-Nitrogen May 1 - Oct 31	0.9	1.9 Daily Max	XXX	1.54	3.08 Daily Max	3.08	1/week	24-Hr Composite
Total Phosphorus	0.6	1.2 Daily Max	XXX	1.0	2.0 Daily Max	2.0	1/week	24-Hr Composite
Copper, Total (ug/L)	0.039	0.064 Daily Max	XXX	11.7	19.3 Daily Max	29.3	1/week	24-Hr Composite
Lead, Total (ug/L)	0.014	0.017 Daily Max	XXX	4.33	5.06 Daily Max	10.8	1/week	24-Hr Composite
Zinc, Total (ug/L)	0.47	0.47 Daily Max	XXX	141.0	141.0 Daily Max	141.0	1/week	24-Hr Composite

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

at Outfall 001

* See Part C.I.M reporting requirements for usage of fully treated WWTP effluent for Spray Irrigation.

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

I. B. For Outfall 001, Latitude 41° 6' 55.00", Longitude 75° 21' 6.00", River Mile Index 4.9, Stream Code 4953

Receiving Waters: Forest Hills Run (HQ-CWF) for Tier 1 (0.400 MGD NPDES Permit basis flow)

Type of Effluent: Sewage Effluent

1. The permittee is authorized to discharge during the period from **Permit Effective Date** through **30th Month of Permit**.
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 and Footnotes).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) ⁽¹⁾		Concentrations (mg/L)				Minimum ⁽²⁾ Measurement Frequency*	Required Sample Type
	Average Monthly	Weekly Average	Minimum	Average Monthly	Weekly Average	Instant. Maximum		
Flow (MGD)	0.400	Report Daily Max	XXX	XXX	XXX	XXX	Continuous	Recorded
Total Residual Chlorine (TRC)	XXX	XXX	XXX	0.10	XXX	0.33	See Permit Part C.I.D	Grab
Temperature (deg F) (°F) Jan 1 - 31	XXX	XXX	XXX	XXX	41.6 Daily Max	XXX	Daily when Discharging	I-S
Temperature (deg F) (°F) Feb 1 - 29	XXX	XXX	XXX	XXX	42.2 Daily Max	XXX	Daily when Discharging	I-S
Temperature (deg F) (°F) Mar 1 - 31	XXX	XXX	XXX	XXX	46.7 Daily Max	XXX	Daily when Discharging	I-S
Temperature (deg F) (°F) Apr 1 - 30	XXX	XXX	XXX	XXX	63 Daily Max	XXX	Daily when Discharging	I-S
Temperature (deg F) (°F) May 1 - 15	XXX	XXX	XXX	XXX	64 Daily Max	XXX	Daily when Discharging	I-S
Temperature (deg F) (°F) May 16 - 31	XXX	XXX	XXX	XXX	69 Daily Max	XXX	Daily when Discharging	I-S
Temperature (deg F) (°F) Jun 1 - 15	XXX	XXX	XXX	XXX	72.3 Daily Max	XXX	Daily when Discharging	I-S
Temperature (deg F) (°F) Jun 16 - 30	XXX	XXX	XXX	XXX	75 Daily Max	XXX	Daily when Discharging	I-S
Temperature (deg F) (°F) Jul 1 - 31	XXX	XXX	XXX	XXX	77.3 Daily Max	XXX	Daily when Discharging	I-S

Outfall 001, Continued (from Permit Effective Date through End of Interim Period 1)

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) ⁽¹⁾		Concentrations (mg/L)				Minimum ⁽²⁾ Measurement Frequency*	Required Sample Type
	Average Monthly	Weekly Average	Minimum	Average Monthly	Weekly Average	Instant. Maximum		
Temperature (deg F) (°F) Aug 1 - 31	XXX	XXX	XXX	XXX	75 Daily Max	XXX	Daily when Discharging	I-S
Temperature (deg F) (°F) Sep 1 - 15	XXX	XXX	XXX	XXX	70.7 Daily Max	XXX	Daily when Discharging	I-S
Temperature (deg F) (°F) Sep 16 - 30	XXX	XXX	XXX	XXX	63.2 Daily Max	XXX	Daily when Discharging	I-S
Temperature (deg F) (°F) Oct 1 - 15	XXX	XXX	XXX	XXX	55.8 Daily Max	XXX	Daily when Discharging	I-S
Temperature (deg F) (°F) Oct 16 - 31	XXX	XXX	XXX	XXX	51.2 Daily Max	XXX	Daily when Discharging	I-S
Temperature (deg F) (°F) Nov 1 - 15	XXX	XXX	XXX	XXX	49.0 Daily Max	XXX	Daily when Discharging	I-S
Temperature (deg F) (°F) Nov 16 - 30	XXX	XXX	XXX	XXX	47.2 Daily Max	XXX	Daily when Discharging	I-S
Temperature (deg F) (°F) Dec 1 - 31	XXX	XXX	XXX	XXX	43.3 Daily Max	XXX	Daily when Discharging	I-S
Carbonaceous Biochemical Oxygen Demand (CBOD5)	6.1	9.2	XXX	10.0	15.0	20.0	1/week	24-Hr Composite
Total Suspended Solids	18.5	27.8	XXX	30.0	45.0	60.0	1/week	24-Hr Composite
Nitrate-Nitrite as N	8.5	17.0 Daily Max	XXX	13.8	27.6 Daily Max	27.6	1/week	24-Hr Composite
Ammonia-Nitrogen Nov 1 - Apr 30	5.0	10.0 Daily Max	XXX	8.1	16.2 Daily Max	16.2	1/week	24-Hr Composite
Ammonia-Nitrogen May 1 - Oct 31	1.6	3.3 Daily Max	XXX	2.7	5.4 Daily Max	5.4	1/week	24-Hr Composite
Total Kjeldahl Nitrogen	Report	Report Daily Max	XXX	Report	Report Daily Max	XXX	1/week	24-Hr Composite
Total Phosphorus	0.6	1.2 Daily Max	XXX	1.0	2.0 Daily Max	2.0	1/week	24-Hr Composite
Copper, Total (ug/L)	Report	Report Daily Max	XXX	Report	Report Daily Max	XXX	1/month	24-Hr Composite
Lead, Total (ug/L)	Report	Report Daily Max	XXX	Report	Report Daily Max	XXX	1/month	24-Hr Composite
Zinc, Total (ug/L)	Report	Report Daily Max	XXX	Report	Report Daily Max	XXX	1/month	24-Hr Composite

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

at Outfall 001

* See Part C.I.M reporting requirements for usage of fully treated WWTP effluent for Spray Irrigation.

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

I. C. For Outfall 001, Latitude 41° 6' 55.00", Longitude 75° 21' 6.00", River Mile Index 4.9, Stream Code 4953

Receiving Waters: Forest Hills Run (HQ-CWF) for Tier 2 (0.500 MGD NPDES Permit basis flow)

Type of Effluent: Sewage Effluent

1. The permittee is authorized to discharge during the period from **Start of Final Period (Tier 2*)** 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 and Footnotes).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) ⁽¹⁾		Concentrations (mg/L)				Minimum ⁽²⁾ Measurement Frequency**	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Maximum	Instant. Maximum		
Flow (MGD)	0.500	Report Daily Max	XXX	XXX	XXX	XXX	Continuous	Recorded
Total Residual Chlorine (TRC)	XXX	XXX	XXX	0.02	XXX	0.05	See Permit Part C.I.D	Grab
Temperature (deg F) (°F) Jan 1 - 31	XXX	XXX	XXX	XXX	38.7 Daily Max	XXX	Daily when Discharging	I-S
Temperature (deg F) (°F) Feb 1 - 29	XXX	XXX	XXX	XXX	38.6 Daily Max	XXX	Daily when Discharging	I-S
Temperature (deg F) (°F) Mar 1 - 31	XXX	XXX	XXX	XXX	43.2 Daily Max	XXX	Daily when Discharging	I-S
Temperature (deg F) (°F) Apr 1 - 15	XXX	XXX	XXX	XXX	49.0 Daily Max	XXX	Daily when Discharging	I-S
Temperature (deg F) (°F) Apr 16 - 30	XXX	XXX	XXX	XXX	53.5 Daily Max	XXX	Daily when Discharging	I-S
Temperature (deg F) (°F) May 1 - 15	XXX	XXX	XXX	XXX	56.3 Daily Max	XXX	Daily when Discharging	I-S
Temperature (deg F) (°F) May 16 - 31	XXX	XXX	XXX	XXX	60.3 Daily Max	XXX	Daily when Discharging	I-S
Temperature (deg F) (°F) Jun 1 - 15	XXX	XXX	XXX	XXX	64.2 Daily Max	XXX	Daily when Discharging	I-S

Outfall 001, Continued (from Start of Final Period 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	Average Weekly	Minimum	Average Monthly	Maximum	Instant. Maximum		
Temperature (deg F) (°F) Jun 16 - 30	XXX	XXX	XXX	XXX	68.2 Daily Max	XXX	Daily when Discharging	I-S
Temperature (deg F) (°F) Jul 1 - 31	XXX	XXX	XXX	XXX	72.1 Daily Max	XXX	Daily when Discharging	I-S
Temperature (deg F) (°F) Aug 1 - 31	XXX	XXX	XXX	XXX	71.1 Daily Max	XXX	Daily when Discharging	I-S
Temperature (deg F) (°F) Sep 1 - 15	XXX	XXX	XXX	XXX	67.1 Daily Max	XXX	Daily when Discharging	I-S
Temperature (deg F) (°F) Sep 16 - 30	XXX	XXX	XXX	XXX	61.1 Daily Max	XXX	Daily when Discharging	I-S
Temperature (deg F) (°F) Oct 1 - 15	XXX	XXX	XXX	XXX	56.1 Daily Max	XXX	Daily when Discharging	I-S
Temperature (deg F) (°F) Oct 16 - 31	XXX	XXX	XXX	XXX	52.1 Daily Max	XXX	Daily when Discharging	I-S
Temperature (deg F) (°F) Nov 1 - 15	XXX	XXX	XXX	XXX	47.1 Daily Max	XXX	Daily when Discharging	I-S
Temperature (deg F) (°F) Nov 16 - 30	XXX	XXX	XXX	XXX	42.2 Daily Max	XXX	Daily when Discharging	I-S
Temperature (deg F) (°F) Dec 1 - 31	XXX	XXX	XXX	XXX	40.7 Daily Max	XXX	Daily when Discharging	I-S
Ammonia-Nitrogen Nov 1 - Apr 30	3.4	6.9 Daily Max	XXX	4.5	9.0 Daily Max	9.0	1/week	24-Hr Composite
Ammonia-Nitrogen May 1 - Oct 31	1.1	2.3 Daily Max	XXX	1.5	3.0 Daily Max	3.0	1/week	24-Hr Composite
Copper, Total (ug/L)	0.048	0.08 Daily Max	XXX	11.6	19.1 Daily Max	29.1	1/week	24-Hr Composite
Lead, Total (ug/L)	0.018	0.21 Daily Max	XXX	4.3	5.02 Daily Max	10.8	1/week	24-Hr Composite
Zinc, Total (ug/L)	0.59	0.59 Daily Max	XXX	141.0	141.0 Daily Max	141	1/week	24-Hr Composite

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

at Outfall 001

*See Tier 2 requirements (Part C)

** See Part C.I.M reporting requirements for usage of fully treated WWTP effluent for Spray Irrigation.

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

I. D. For Outfall 001, Latitude 41° 6' 55.00", Longitude 75° 21' 6.00", River Mile Index 4.9, Stream Code 4953

Receiving Waters: Forest Hills Run (HQ-CWF)

Type of Effluent: Sewage 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 and Footnotes).

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		
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/day	Grab
Dissolved Oxygen	XXX	XXX	7.0 Inst Min	XXX	XXX	XXX	1/day	Grab
Carbonaceous Biochemical Oxygen Demand (CBOD5) Raw Sewage Influent	Report	Report	XXX	Report	Report	XXX	1/week**	24-Hr Composite
CBOD5 Minimum % Removal (%)	85 Min Mo Avg	XXX	XXX	XXX	XXX	XXX	1/month	Calculation
Total Suspended Solids Raw Sewage Influent	Report	Report	XXX	Report	Report	XXX	1/week**	24-Hr Composite
Total Suspended Solids Minimum % Removal (%)	85 Min Mo Avg	XXX	XXX	XXX	XXX	XXX	1/month	Calculation
Fecal Coliform (No./100 ml) Oct 1 - Apr 30	XXX	XXX	XXX	2000 Geo Mean	XXX	10000	1/week	Grab
Fecal Coliform (No./100 ml) May 1 - Sep 30	XXX	XXX	XXX	200 Geo Mean	XXX	1000	1/week	Grab
Total Nitrogen	Report	Report	XXX	Report	Report	XXX	1/month	Calculation
Total Kjeldahl Nitrogen	Report	Report	XXX	Report	Report	XXX	1/week	24-Hr Composite

Outfall 001, 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		
UV Intensity ($\mu\text{w}/\text{cm}^2$)	XXX	XXX	Report Inst Min	XXX	XXX	XXX	1/day	Measure

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

at Outfall 001

*See Part C.I.M reporting requirements for usage of fully treated WWTP effluent for Spray Irrigation.

**Paired with effluent sampling for same parameters.

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

I. E. For Outfall 101, Latitude 41° 6' 55.00", Longitude 75° 21' 6.00", River Mile Index -, Stream Code 4953

Receiving Waters: Forest Hills Run (HQ-CWF)

Type of Effluent: NA - Surface Water Monitoring Point Upstream of Outfall No. 001 discharge

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 and Footnotes).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) ⁽¹⁾		Concentrations (mg/L)				Minimum ⁽²⁾ Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Maximum	Instant. Maximum		
Temperature (deg F) (°F)	XXX	XXX	XXX	XXX	XXX	Report	Continuous	I-S

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

at Outfall 101

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

I. F. For Outfall 102, Latitude 41° 6' 55.00", Longitude 75° 21' 6.00", River Mile Index -, Stream Code 4953

Receiving Waters: Forest Hill Run

Type of Effluent: NA - Surface Water Monitoring Point Downstream of Outfall No. 001 discharge

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 and Footnotes).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) ⁽¹⁾		Concentrations (mg/L)				Minimum ⁽²⁾ Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Temperature (deg F) (°F)	XXX	XXX	XXX	Report	XXX	Report	Continuous	I-S
Temperature, Delta (Discharge - Intake) (deg F) (°F)	XXX	XXX	XXX	XXX	2	XXX	Hourly when discharging	Calculation

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

at Outfall 002 (In-stream Temperature Monitoring Point)

* For purpose of this limit (and Part C.I.I Maximum Temperature Change), the "Discharge" is Stream Monitor Point 102 I-S temperature measurement location. The "Intake" is Stream Monitor Point 101 (Upstream of Outfall No. 001) I-S temperature measurement location. The Discharge temperature minus the intake temperature is the "temperature delta" for a period of 1 hour or greater in duration.

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

I. G. For Outfall 103, Latitude 41° 6' 55.00", Longitude 75° 21' 6.00", River Mile Index -, Stream Code -

Receiving Waters: NA – land spray discharge only under WQM Permit No. 4515401

Type of Effluent: Fully treated 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 and Footnotes).

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

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

at Outfall 103

* See Part C.I.M reporting requirements for usage of fully treated WWTP effluent for Spray Irrigation.

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

I. H. For Outfall 104, Latitude 41° 6' 55.00", Longitude 75° 21' 6.00", River Mile Index -, Stream Code 4953

Receiving Waters: Forest Hill Run

Type of Effluent: NA - Surface Water Monitoring Point Downstream of Outfall No. 001 discharge

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 and Footnotes).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) ⁽¹⁾		Concentrations (mg/L)				Minimum ⁽²⁾ Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Temperature (deg F) (°F)	XXX	XXX	XXX	Report	XXX	Report	Continuous	I-S

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

at Outfall 104 (In-stream Temperature Monitoring Point)

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

Additional Requirements

1. The permittee may not discharge:
 - a. Floating solids, scum, sheen or substances that result in observed deposits in the receiving water. (25 Pa Code § 92a.41(c))
 - b. 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), § 95.2(2))
 - c. 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))
 - d. 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. For the purpose of determining compliance with this condition, DEP will compare conditions in the receiving water upstream of the discharge to conditions in the receiving water approximately 100 feet downstream of the discharge to determine if there is an observable change in the receiving water. (25 Pa Code § 92a.41(c))
2. The monthly average percent removal of BOD₅ or CBOD₅ and TSS must be at least 85% for POTW facilities on a concentration basis except where 25 Pa. Code 92a.47(g) and (h) are applicable to facilities with combined sewer overflows (CSOs) or as otherwise specified in this permit. (25 Pa. Code § 92a.47(a)(3))
3. If the permit requires the reporting of average weekly statistical results, the maximum weekly average concentration and maximum weekly average mass loading shall be reported, regardless of whether the results are obtained for the same or different weeks.
4. The permittee shall monitor the sewage effluent discharge(s) for the effluent parameters identified in the Part A limitations table(s) during all bypass events at the facility, using the sample types that are specified in the limitations table(s). Where the required sample type is "composite", the permittee must commence sample collection within one hour of the start of the bypass, wherever possible. The results shall be reported on the Daily Effluent Monitoring supplemental form (3800-FM-BCW0435) and be incorporated into the calculations used to report self-monitoring data on Discharge Monitoring Reports (DMRs).

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.

Supplemental Information

- (1) The hydraulic design capacity of 0.400 million gallons per day (Tier 1) for the treatment facility is used to prepare the annual Municipal Wasteload Management Report to help determine whether a "hydraulic overload" situation exists, as defined in Title 25 Pa. Code Chapter 94.
- (2) The effluent limitations for Outfall 001 were determined using an effluent discharge rate of 0.400 MGD (Tier 1) and 0.500 MGD (Tier 2).
- (3) The organic design capacity of 1068 lbs BOD₅ per day for the treatment facility is used to prepare the annual Municipal Wasteload Management Report to determine whether an "organic overload" condition exists, as defined in 25 Pa. Code Chapter 94.

- (4) Total Nitrogen is the sum of Total Kjeldahl-N (TKN) plus Nitrite-Nitrate as N ($\text{NO}_2 + \text{NO}_3\text{-N}$), where TKN and $\text{NO}_2 + \text{NO}_3\text{-N}$ are measured in the same sample.

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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 pollutant loading to surface waters of the Commonwealth. The term also includes treatment requirements, operating procedures and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage. The term includes activities, facilities, measures, planning or procedures used to minimize accelerated erosion and sedimentation and manage stormwater to protect, maintain, reclaim, and restore the quality of waters and the existing and designated uses of waters within this Commonwealth before, during and after earth disturbance activities. (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).

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, 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, 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)

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.

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

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

Indirect Discharger means a non-domestic discharger introducing pollutants to a Publicly Owned Treatment Works (POTW) or other treatment works. (25 Pa. Code § 92a.2, 40 CFR 122.2)

Industrial User means a source of Indirect Discharge. (40 CFR 403.3)

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)

Municipality means a city, town, borough, county, township, school district, institution, authority or other public body created by or pursuant to State law and having jurisdiction over disposal of sewage, industrial wastes, or other wastes. (25 Pa. Code § 92a.2)

Municipal Waste means garbage, refuse, industrial lunchroom or office waste and other material, including solid, liquid, semisolid or contained gaseous material resulting from operation of residential, municipal, commercial or institutional establishments and from community activities; and sludge not meeting the definition of residual or hazardous waste under this section from a municipal, commercial or institutional water supply treatment plant, waste water treatment plant or air pollution control facility. (25 Pa. Code § 271.1)

Publicly Owned Treatment Works (POTW) means a treatment works as defined by §212 of the Clean Water Act, owned by a state or municipality. The term includes any devices and systems used in the storage, treatment, recycling and reclamation of municipal sewage or industrial wastes of a liquid nature. The term also includes sewers, pipes or other conveyances if they convey wastewater to a POTW providing treatment. The term also means the municipality as defined in section 502(4) of the Clean Water Act, which has jurisdiction over the indirect discharges to and the discharges from such a treatment works. (25 Pa Code § 92a.2, 40 CFR 122.2)

Residual Waste means garbage, refuse, other discarded material or other waste, including solid, liquid, semisolid or contained gaseous materials resulting from industrial, mining and agricultural operations and sludge from an industrial, mining or agricultural water supply treatment facility, wastewater treatment facility or air pollution control facility, if it is not hazardous. The term does not include coal refuse as defined in the Coal Refuse Disposal Control Act. The term does not include treatment sludges from coal mine drainage treatment plants, disposal of which is being carried on under and in compliance with a valid permit issued under the Clean Streams Law. (25 Pa Code § 287.1)

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) and (xi) and 25 Pa. Code § 92a.2.

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)

Weekly Average Discharge Limitation means the highest allowable average of "daily discharges" over a calendar week, calculated as the sum of all "daily discharges" measured during a calendar week divided by the number of "daily discharges" measured during that week.

III. SELF-MONITORING, REPORTING AND RECORDKEEPING

A. Representative Sampling

1. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity (40 CFR 122.41(j)(1)). Representative sampling includes the collection of samples, where possible, during periods of adverse weather, changes in treatment plant performance and changes in treatment plant loading. If possible, effluent samples must be collected where the effluent is well mixed near the center of the discharge conveyance and at the approximate mid-depth point, where the turbulence is at a maximum and the settlement of solids is minimized. (40 CFR 122.48, 25 Pa. Code § 92a.61)

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

- a. 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.
- b. Test procedures (methods) for the analysis of pollutants or pollutant parameters shall be those approved under 40 CFR Part 136 or required under 40 CFR Chapter I, Subchapters N or O, unless the method is specified in this permit or has been otherwise approved in writing by DEP. (40 CFR 122.41(j)(4), 122.44(i)(1)(iv))
- c. Test procedures (methods) for the analysis of pollutants or pollutant parameters shall be sufficiently sensitive. A method is sufficiently sensitive when 1) the method minimum level is at or below the level of the effluent limit established in the permit for the measured pollutant or pollutant parameter; or 2) the method has the lowest minimum level of the analytical methods approved under 40 CFR Part 136 or required under 40 CFR Chapter I, Subchapters N or O, for the measured pollutant or pollutant parameter; or 3) the method is specified in this permit or has been otherwise approved in writing by DEP for the measured pollutant or pollutant parameter. Permittees have the option of providing matrix or sample-specific minimum levels rather than the published levels. (40 CFR 122.44(i)(1)(iv))

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. (25 Pa. Code §§ 92a.3(c), 92a.41(a), 92a.44, 92a.61(i) and 40 CFR §§ 122.41(e), 122.44(i)(1))
2. The permittee shall use DEP's electronic Discharge Monitoring Report (eDMR) system to report the results of compliance monitoring under this permit (see www.dep.pa.gov/edmr). Permittees that are not using the eDMR system as of the effective date of this permit shall submit the necessary registration and trading partner agreement forms to DEP's Bureau of Clean Water (BCW) within 30 days of the effective date of this permit and begin using the eDMR system when notified by DEP BCW to do so. (25 Pa. Code §§ 92a.3(c), 92a.41(a), 92a.61(g) and 40 CFR § 122.41(l)(4))
3. Submission of a physical (paper) copy of a Discharge Monitoring Report (DMR) is acceptable under the following circumstances:
 - a. For a permittee that is not yet using the eDMR system, the permittee shall submit a physical copy of a DMR to the DEP regional office that issued the permit during the interim period between the submission of registration and trading partner agreement forms to DEP and DEP's notification to begin using the eDMR system.
 - b. For any permittee, as a contingency a physical DMR may be mailed to the DEP regional office that issued the permit if there are technological malfunction(s) that prevent the successful submission of a DMR through the eDMR system. In such situations, the permittee shall submit the DMR through the eDMR system within 5 days following remedy of the malfunction(s).
4. DMRs must be completed in accordance with DEP's published DMR instructions (3800-FM-BCW0463). DMRs must be received by DEP no later than 28 days following the end of the monitoring period. DMRs are based on calendar reporting periods and must be received by DEP in accordance with the following schedule:
 - Monthly DMRs must be received within 28 days following the end of each calendar month.
 - Quarterly DMRs must be received within 28 days following the end of each calendar quarter, i.e., January 28, April 28, July 28, and October 28.
 - Semiannual DMRs must be received within 28 days following the end of each calendar semiannual period, i.e., January 28 and July 28.
 - Annual DMRs must be received by January 28, unless Part C of this permit requires otherwise.
5. The permittee shall complete all Supplemental Reporting forms (Supplemental DMRs) attached to this permit, or an approved equivalent, and submit the signed, completed forms as attachments to the DMR, through DEP's eDMR system. DEP's Supplemental Laboratory Accreditation Form (3800-FM-BCW0189) must be completed and submitted to DEP with the first DMR following issuance of this permit, and anytime thereafter when changes to laboratories or methods occur. (25 Pa. Code §§ 92a.3(c), 92a.41(a), 92a.61(g) and 40 CFR § 122.41(l)(4))
6. 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 and for co-permittees, 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))

7. 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 and Notification Requirements

1. Planned Changes to Physical Facilities – The permittee shall give notice to DEP as soon as possible but no later than 30 days prior to 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))
2. Planned Changes to Waste Stream – Under the authority of 25 Pa. Code § 92a.24(a) and 40 CFR 122.42(b), the permittee shall provide notice to DEP and EPA as soon as possible but no later than 45 days prior to any planned 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-BCW0482), available on DEP's website. The permittee shall provide information on the quality and quantity of waste introduced into the POTW, and any anticipated impact of the change on the quantity or quality of effluent to be discharged from the POTW (40 CFR 122.42(b)(3)). 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), 40 CFR 122.42(b)(1))

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

- (i) Any pollutants that were not detected in the facilities' influent waste stream as reported in the permit application; and have not been approved to be included in the permittee's influent waste stream by DEP in writing.
- (ii) Any new introduction of pollutants into the POTW from an indirect discharger which would be subject to Sections 301 or 306 of the Clean Water Act if it were directly discharging those pollutants (40 CFR 122.42(b)(1)).

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), 40 CFR 122.42(b)(2))

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 have been previously approved to be included in the permittee's influent waste stream by DEP in writing.
- (ii) Have an effluent limitation or monitoring requirement in this permit.

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 20% of the maximum loading reported in the permit application, or a loading previously approved by DEP and/or EPA, 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 POTW (as defined at 40 CFR 403.3), 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, may not result in a hydraulic or organic overload condition as defined in 25 Pa. Code § 94.1, 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 conventional oil and gas wells, food processing waste, and landfill leachate), as defined at 25 Pa. Code § 287.1, that are 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-BCW0450) 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.

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 or the permittee has not otherwise received the information from the generator, the residual wastes shall not be accepted by the permittee until such time as the permittee receives such information from the transporter or generator.

- (ii) In accordance with 40 CFR Part 435, Subpart C, the permittee shall not accept wastewater pollutants associated with production, field exploration, drilling, well completion, or well treatment for unconventional oil and gas extraction (including, but not limited to, drilling muds, drill cuttings, produced sand, produced water). Unconventional oil and gas means crude oil and natural gas produced by a well drilled into a shale and/or tight formation (including, but not limited to, shale gas, shale oil, tight gas, and tight oil). This prohibition does not apply to wastewater generated from stripper wells as defined at 40 CFR Part 435, Subpart F.
- (iii) If the generator is required to complete a chemical analysis of residual wastes in accordance with 25 Pa. Code § 287.51, the permittee must receive and maintain on file a chemical analysis of the residual wastes it receives. The chemical analysis must conform to the Bureau of Waste Management's Form 26R. Each load of residual waste received must be covered by a chemical analysis if the generator is required to complete it.

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), as defined at 25 Pa. Code § 271.1, that are 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-BCW0437) 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 BOD₅ 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. The influent BOD₅ characterization for the treatment facility, as reported in the annual Municipal Wasteload Management Report per 25 Pa. Code Chapter 94, must be representative of the hauled-in municipal wastes received.

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 §§ 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 (40 CFR 122.41(l)(6)(ii)):
 - (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.
 - (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-BCW0440). The reports shall contain the information listed in paragraph C.4.b.(ii) of this section. (40 CFR 122.41(l)(7))

D. Annual Fee (25 Pa. Code § 92a.62)

Permittees shall pay an annual fee in accordance with 25 Pa. Code § 92a.62. As of the effective date of this permit, the facility covered by the permit is classified in the **Minor Sewage Facility ≥ 0.05 and < 1 MGD** fee category, which has an annual fee of **\$1,000**.

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. Permittees may contact the DEP at 717-787-6744 with questions related to annual fees. The fee identified above is subject to change if DEP publishes changes to 25 Pa. Code § 92a.62.

Payment for annual fees shall be remitted to DEP at the address below or through DEP's electronic payment system (www.depgreenport.state.pa.us/NPDESpay) by the due date specified on the invoice. Checks, if used for payment, should be made payable to the Commonwealth of Pennsylvania.

PA Department of Environmental Protection
Bureau of Clean Water
Re: Chapter 92a Annual Fee
P.O. Box 8466
Harrisburg, PA 17105-8466

PART B

I. MANAGEMENT REQUIREMENTS

A. Compliance

1. The permittee shall comply with all conditions of this permit. If a compliance schedule has been established in this permit, the permittee shall achieve compliance with the terms and conditions of this permit within the time frames specified in this permit. (40 CFR 122.41(a)(1))
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. (25 Pa. Code § 92a.51(c), 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))
4. The permittee shall provide the following information in the annual Municipal Wasteload Management Report, required under the provisions of Title 25 Pa. Code Chapter 94:
 - a. The requirements identified in 25 Pa. Code § 94.12.
 - b. The identity of any indirect discharger(s) served by the POTW which are subject to pretreatment standards adopted under Section 307(b) of the Clean Water Act; the POTW shall also specify the total volume of discharge and estimated concentration of each pollutant discharged into the POTW by the indirect discharger.
 - c. A "Solids Management Inventory" if specified in Part C of this permit.
 - d. The total volume of hauled-in residual and municipal wastes received during the year, by source.
 - e. The Annual Report requirements for permittees required to implement an industrial pretreatment program listed in Part C, as applicable.

D. General Pretreatment Requirements

1. Any POTW (or combination of POTWs operated by the same authority) with a total design flow greater than 5 million gallons per day (MGD) and receiving from industrial users pollutants which pass through or interfere with the operation of the POTW or are otherwise subject to Pretreatment Standards will be required to establish a POTW Pretreatment Program unless specifically exempted by the Approval Authority. A POTW with a design flow of 5 MGD or less may be required to develop a POTW Pretreatment Program if the Approval Authority finds that the nature or volume of the industrial influent, treatment process upsets, violations of effluent limitations, contamination of sludge, or other circumstances warrant in order to prevent interference or pass through. (40 CFR 403.8)
2. Each POTW with an approved Pretreatment Program pursuant to 40 CFR 403.8 shall develop and enforce specific limits to implement the prohibitions listed in 40 CFR 403.5(a)(1) and (b), and shall continue to develop these limits as necessary and effectively enforce such limits. This condition applies, for example, when there are planned changes to the waste stream as identified in Part A III.C.2. If the permittee is required to develop or continue implementation of a Pretreatment Program, detailed requirements will be contained in Part C of this permit.
3. For all POTWs, where pollutants contributed by indirect dischargers result in interference or pass through, and a violation is likely to recur, the permittee shall develop and enforce specific limits for indirect dischargers and other users, as appropriate, that together with appropriate facility or operational changes, are necessary to ensure renewed or continued compliance with this permit or sludge use or disposal practices. Where POTWs do not have an approved Pretreatment Program, the permittee shall submit a copy of such limits to DEP when developed. (25 Pa. Code § 92a.47(d))
4. Each POTW without an approved Pretreatment Program shall, within six (6) months of the permit effective date, develop a list of IUs in industry categories expected or suspected of per- and polyfluoroalkyl substance (PFAS) discharges to the POTW and submit the list to EPA at EPA_R3_Pretreatment@epa.gov and to DEP at RA-EPNPDES_PERMITS@pa.gov. These industry categories shall include airports; centralized waste treatment; electroplating; electric and electronic components; fire training; landfills; leather tanning & finishing; metal finishing; organic chemicals, plastics & synthetic fibers (OCPSF); paint formulating; plastics molding & forming; pulp, paper & paperboard; textile mills; sites known or suspected of PFAS contamination; and any other sources expected or suspected of PFAS discharges. The list must contain the names, addresses, NAICS codes, and industry categories (as listed above) of any IUs identified.

E. Proper Operation and Maintenance

1. The permittee shall employ operators certified in compliance with the Water and Wastewater Systems Operators Certification Act (63 P.S. §§ 1001-1015.1).
2. 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))

F. 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))

G. 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 paragraph G.4 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 paragraph G.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 – 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.4.b.

H. Sanitary Sewer Overflows (SSOs)

An SSO is an overflow of wastewater, or other untreated discharge from a separate sanitary sewer system (which is not a combined sewer system), which results from a flow in excess of the carrying capacity of the system or from some other cause prior to reaching the headworks of the sewage treatment facility. SSOs are not authorized under this permit. The permittee shall immediately report any SSO to DEP in accordance with Part A III.C.4 of this permit.

I. Termination of Permit Coverage (25 Pa. Code § 92a.74 and 40 CFR 122.64)

1. Notice of Termination (NOT) – If the permittee plans to cease operations or will otherwise no longer require coverage under this permit, the permittee shall submit DEP's NPDES Notice of Termination (NOT) for Permits Issued Under Chapter 92a (3800-BCW-0410), signed in accordance with Part A III.B.6 of this permit, at least 30 days prior to cessation of operations or the date by which coverage is no longer required.
2. Where the permittee plans to cease operations, NOTs must be accompanied with an operation closure plan that identifies how tankage and equipment will be decommissioned and how pollutants will be managed.
3. The permittee shall submit the NOT to the DEP regional office with jurisdiction over the county in which the operation is located.

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 122.41(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 92a 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; and (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. (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 Department regulations. (25 Pa. Code § 92a.71)
3. In the event DEP does not approve transfer of this permit, the new owner or operator 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.

PART C

I. OTHER REQUIREMENTS

- A. No storm water from pavements, area ways, roofs, foundation drains or other sources shall be directly admitted to the sanitary sewers associated with the herein approved discharge.
- B. The approval herein given is specifically made contingent upon the permittee acquiring all necessary property rights by easement or otherwise, providing for the satisfactory construction, operation, maintenance or replacement of all sewers or sewerage structures associated with the herein approved discharge in, along, or across private property, with full rights of ingress, egress and regress.
- C. 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 Regulation 40 CFR 257, Pennsylvania Clean Streams Law, Pennsylvania Solid Waste Management Act of 1980, and the Federal Clean Water Act and its amendments. The permittee is responsible to obtain or assure that contracted agents have all necessary permits and approvals for the handling, storage, transport, and disposal of solid waste materials generated as a result of wastewater treatment.
- D. UV Disinfection is the approved method of disinfection. The permittee shall optimize chlorine dosages used for emergency or back-up disinfection or other purposes to minimize the concentration of Total Residual Chlorine (TRC) in the effluent, meet applicable effluent limitations, and reduce the possibility of adversely affecting the receiving waters. Optimization efforts may include an evaluation of wastewater characteristics, mixing characteristics, and contact times, adjustments to process controls, and maintenance of the disinfection facilities. If DEP determines that effluent TRC is causing adverse water quality impacts, DEP may reopen this permit to apply new or more stringent effluent limitations and/or require implementation of control measures or operational practices to eliminate such impacts.
 - 1. Daily, when using chlorine, the operator shall take grab samples to measure the TRC instantaneous maximum.
 - 2. In addition to the average monthly value and instantaneous maximum value DMR reporting requirements, the DMR comment section shall be used to report the utilization or non-utilization of chlorine, the number of days of chlorine utilization, and the purpose of chlorine utilization for that time period. The eDMR NODI Code GG (Conditional Monitoring – Not Required) shall be used for eDMR reporting that chlorine has not been utilized during that time period.
- E. The attention of the permittee is directed to the fact that effluent is discharged to a location with little or no assimilative capacity or dilution during critical periods. If the effluent creates a health hazard or nuisance, the permittee shall, upon notice from DEP, provide such additional treatment as may be required by DEP.
- F. The permittee shall notify DEP of the certified operator in responsible charge of the POTW (WWTP and discharges to the spray irrigation system), including the name, client ID, and certificate number within sixty (60) days after the effective date of the permit. The responsible operator will verify accuracy of submitted DMR and supplemental report information. The permittee shall notify DEP of changes in the operator in responsible charge within ten (10) days of the change.
- G. If, in the opinion of the Department, these works are not so operated or if by reason of change in the character of wastes or increased load upon the works, or changed use or condition of the receiving body of water, or otherwise, the said effluent ceases to be satisfactory or the sewerage facilities shall have created public nuisance, then upon notice by the Department, the right herein granted to discharge such effluent shall cease and become null and void unless within the time specified by the Department, the permittee shall adopt such remedial measures as will produce an effluent which, in the opinion of the Department, will be satisfactory for discharge into the said receiving body of water.

H. LIMITATION ON DISCHARGE FLOW

The 30-day average discharge flow to Forest Hills Run shall not exceed 0.400 million gallons per day (MGD) unless and until the permittee has demonstrated to the Department, based upon submission of a biological assessment, that Monitoring Station 2 (IMP/Outfall No. 102) and Monitoring Station 3 (IMP/Outfall No. 104) as described below, attain a bioassessment benthic macroinvertebrate score greater than 83% of Monitoring Station 1, based on *Rapid Bioassessment Protocols for Use in Streams and Rivers: Benthic Macroinvertebrates and Fish*, Plafkin, et al., (EPA/444/4-89-001), as updated and amended (RBP), and Monitoring Station 2 and Monitoring Station 3 attain aquatic life use, based on *A Benthic Index of Biotic Integrity for Wadeable Freestone Riffle-Run Streams in Pennsylvania*, PADEP (April 2009), as updated and amended (IBI).

If the assessment demonstrates that Monitoring Station 2 and Monitoring Station 3 attain a bioassessment benthic macroinvertebrate score greater than 83% of Monitoring Station 1, based on RBP, and Monitoring Station 2 and Monitoring Station 3 attain aquatic life use, based on IBI, then the Department will advise the permittee in writing that the 30-day average discharge flow to Forest Hills Run may exceed 0.400 MGD but shall not exceed 0.500 MGD and shall be subject to the effluent limitations in Part A I.A and A I.B. Upon Department written authorization for Tier 2 flow discharge, the Chapter 94 Reporting may use 0.500 MGD as the hydraulic design capacity.

Monitoring Station 1 (Outfall/IMP No. 101) is located upstream from the discharge from the facility to Forest Hills Run, Monitoring Station 2 (Outfall/IMP No. 102) is located downstream from the discharge from the facility to Forest Hills Run, and Monitoring Station 3 (Outfall/IMP No. 104) is located further downstream from the discharge from the facility to Forest Hills Run.

- Stream monitoring data for Stations 1, 2 and 3, including stream ambient temperature (°F) for the Part A.I.A and Part A.I.C thermal limit periods, shall be submitted on the DEP Surface Water Monitoring Data Report with the monthly Discharge Monitor Report (DMR) via EDMR. The Reports shall identify any period when the (downstream of Outfall No. 001) Station 2 ambient stream temperature exceeds the (upstream of Outfall No. 001) Station 1 ambient stream temperature by more than 2 °F in any one-hour period.
- Consistent with Implementation Guidance for Temperature Criteria (DEP ID# 386-2000-001) Case 1, page 10, the stream ambient temperature is the median temperature (50 percent value), derived from site-specific historical data, for each monthly or semi-monthly period. Because temperature distributions are approximately normal, the mean temperature is nearly equal to the median temperature (and also has an exceedance probability of about 50 percent) and can be reported if the temperature data is normally distributed (with explanatory note). In some cases, however, use of the mean to determine the ambient temperature may not be appropriate. If site-specific ambient data are not normally distributed, due to excessive solar heating or other factors, the median should be reported (with explanatory note).
- Within thirty (30) days of Permit Effective Date, the latitude/longitude (with elevations) of Stream Temperature Monitor Stations 1 (a.k.a. IMP/Outfall No. 101), 2 (a.k.a. IMP/Outfall No. 102), and 3 (a.k.a. IMP/Outfall No. 104), plus RO1 ("Runoff Stream 1") and RO2 ("Runoff Stream 2") and any additional Groundwater Monitoring Plan-required surface water monitoring points, shall be submitted to the Department in writing, with completed Post-Construction Certification for the permitted Stream Sampling Stations with:
 - As-built engineering design detail (including in-situ temperature sensor location relative to stream width and depth).
 - Copy of any Department approval for the monitoring station location.

- I. MAXIMUM TEMPERATURE CHANGE: The discharge may not change the temperature of the receiving stream by more than 2 °F in any one-hour period. The point of compliance is at IMP/Outfall No. 002 a
- J. CONTINUOUS DISCHARGE: Flow equalization shall be utilized such that treated effluent is discharged to the stream in a continuous manner and not as batch discharges.
- K. If there is a conflict between the above special conditions and the attached Consent Decree (as amended), the conditions of the Consent Decree shall govern.



- L. Whenever the treatment facility operates in Storm Mode, the permittee shall monitor the sewage effluent discharge(s) for the effluent parameters identified in the Part A limitations table(s) during all discharge events at the facility, using the sample types that are specified in the limitations table(s). Where the required sample type is "composite", the permittee must commence sample collection within one hour of the start of the bypass, wherever possible. The results shall be reported on the Daily Effluent Monitoring supplemental form (3800-FM-BPNPSM0435) and be incorporated into the calculations used to report self-monitoring data on Discharge Monitoring Reports (DMRs).
- M. Land Discharge/Spray Irrigation Flows WQM Permit No. 4515401 (as amended) Reporting: Only fully treated leachate, meeting all NPDES Permit Part A limits may be directed to the onsite spray irrigation system permitted under Water Quality Management Permit No. 4515401 (as amended).
- (1) The discharge to Spray Irrigation shall undergo the NPDES Permit Part A monitoring and sampling requirements set forth in the NPDES permit for discharge to Forest Hills Run. NPDES Daily Effluent Form shall record all Part A sampling & analysis requirements for WWTP effluent directed to the Spray Irrigation System.
 - (2) The WQM Permit No. 4515401 Discharge Monitoring Report (DMR) shall be included as an attachment to the NPDES permit DMR/EDMR submittals.
 - (3) NPDES EDMR comment section shall identify dates when WWTP effluent was directed to the Spray Irrigation System.
 - (4) Spray Irrigation Report form for Spray Irrigation shall be submitted with the following calendar month's NPDES EDMR report.
 - (5) Groundwater Monitor Report Form and any Surface Water Monitoring Report Form shall be submitted with following calendar month's NPDES EDMR report.
 - (6) Noncompliance shall be reported via the NPDES Noncompliance Reporting form.
 - (7) The Chapter 94 Annual Municipal Wasteload Report shall include a table identifying calendar months and monthly average volumes of flows directed to spray irrigation. The Report shall identify any maintenance work on the spray irrigation system/fields. Any exceedances of the thermal limits (date, time, and circumstances) shall be provided in table form.

II. SCHEDULE OF COMPLIANCE (Ammonia-N and Thermal Limits – Tier 1 and Tier 2)

- A. The permittee shall achieve compliance with final effluent limitations or terminate this discharge in accordance with the following schedule:

Work Plan Development and submittal for gathering stream data	6 months of PED
Feasibility Plan Completion and submittal (including table of pH and in-situ ambient stream temperature (°F) from the three permitted stream monitoring points for the Chapter 93.7 Temperature critical use periods (for minimum of three calendar years), DMR reported effluent daily maximum temperatures). The table identify any time-frames (dates and hours) when the Outfall No. 1 discharge resulted in ≥ 2 °F stream temperature change of ≥ 1 hour duration in the receiving stream.	12 months of PED
Final Plan Completion and submittal	18 months of PED
Start construction (if needed)	24 months of PED
Construction Progress report submittals	Quarterly after construction starts

End Construction	30 months of PED
Compliance with Tier 1 effluent limitations (Part A.I.A)	33 months of PED
Compliance with Tier 2 effluent limitations (Part A.I.C) if applicable	Upon start-up of Tier 2 flows per Part C conditions.

B. No later than 14 calendar days following a date identified in the above schedule of compliance, the permittee shall submit to DEP a written notice of compliance or non-compliance with the specific schedule requirement. Each notice of non-compliance shall include the following information:

1. A short description of the non-compliance.
2. A description of any actions taken or proposed by the permittee to comply with the elapsed schedule requirement.
3. A description of any factors which tend to explain or mitigate the non-compliance.
4. An estimate of the date that compliance with the elapsed schedule requirement will be achieved and an assessment of the probability that the next scheduled requirement will be met on time.

III. SOLIDS MANAGEMENT

- A. The permittee shall manage and properly dispose of sewage sludge and/or biosolids by performing sludge wasting that maintains an appropriate mass balance of solids within the treatment system. The wasting rate must be developed and implemented considering the specific treatment process type, system loadings, and seasonal variation while maintaining compliance with effluent limitations. Holding excess sludge within clarifiers or in the disinfection process is not permissible.
- B. The permittee shall submit the Supplemental Reports entitled, "Supplemental Report – Sewage Sludge/Biosolids Production and Disposal" (Form No. 3800-FM-BCW0438) and "Supplemental Report – Influent & Process Control" (Form No. 3800-FM-BCW0436), as attachments to the DMR on a monthly basis. When applicable, the permittee shall submit the Supplemental Reports entitled, "Supplemental Report – Hauled In Municipal Wastes" (Form No. 3800-FM-BCW0437) and "Supplemental Report – Hauled In Residual Wastes" (Form No. 3800-FM-BCW0450), as attachments to the DMR.
- C. By March 31 of each year, the permittee shall submit a "Sewage Sludge Management Inventory" that summarizes the amount of sewage sludge and/or biosolids produced and wasted during the calendar year from the system. The "Sewage Sludge Management Inventory" may be submitted with the Municipal Wasteload Management Report required by Chapter 94. This summary shall include the expected sewage sludge production (estimated using the methodology described in the U.S. EPA handbook, "Improving POTW Performance Using the Composite Correction Approach" (EPA-625/6-84-008)), compared with the actual amount disposed during the year. Sludge quantities shall be expressed as dry weight in addition to gallons or other appropriate units.

IV. WATER QUALITY-BASED EFFLUENT LIMITATIONS FOR TOXIC POLLUTANTS

- A. Final Water Quality Based Effluent Limitations (WQBELs)

The final (Tier 1) WQBELs listed below will become effective on 48 months of PED ("WQBEL Effective Date") unless DEP issues an amendment to this permit prior to that date:

Outfall No.	Pollutant	Average Monthly (ug/L)	Maximum Daily (ug/L)	IMAX (ug/L)
001	Total Copper	11.7	19.3	29.3

001	Total Lead	4.33	5.06	10.8
001	Total Zinc	141.0	141.0	141.0

These limits are necessary to achieve water quality standards in the receiving waters. The permittee has not demonstrated the ability to achieve these limits as of the effective date of the permit. Prior to the WQBEL Effective Date, the permittee shall complete studies as described below.

B. Site-Specific Data Collection Studies

The WQBELs were developed by DEP using the default or model-derived estimates for the parameters listed below in DEP's Toxics Management Spreadsheet (TMS). The permittee shall collect site-specific data for all of the parameters listed below and submit the data to DEP as part of a Final WQBEL Compliance Report.

1. **Discharge pollutant concentration coefficients of variability** using DEP's *Field Data Collection and Evaluation Protocol for Deriving Daily and Hourly Discharge Coefficients of Variation (CV) and Other Discharge Characteristics* (391-2000-024).
2. **Discharge and background Total Hardness concentrations** using DEP's *Field Data Collection and Evaluation Protocol for Determining Stream and Point Source Discharge Design Hardness* (391-2000-021).
3. **Background / ambient pollutant concentrations** using DEP's *Implementation Guidance for the Determination and Use of Background/Ambient Water Quality in the Determination of Wasteload Allocations and NPDES Effluent Limitations for Toxic Substances* (391-2000-022).
4. **Chemical translator(s)** using EPA's *The Metals Translator: Guidance for Calculating A Total Recoverable Permit Limit From A Dissolved Criterion* (EPA 823-B-96-007) or other EPA guidance.
5. **The slope and width of the receiving waters** for the reach of stream modeled by DEP using the TMS as measured in the field.
6. **The velocity of the receiving waters** for the reach of stream modeled by DEP using the TMS as measured through a time of travel study that provides an estimate of velocity under design stream flow conditions.
7. **The acute and chronic partial mix factors** for the reach of stream modeled by DEP using the TMS as determined through a mixing study that provides an estimate of mixing under design stream flow conditions.

The permittee may, at its discretion, submit a work plan to DEP for review and comment prior to initiating the site-specific data collection studies. If the permittee decides to submit a work plan, DEP's approval is not necessary prior to commencing the studies.

C. Toxics Reduction Evaluation (TRE)

The permittee shall conduct a TRE in accordance with DEP's *Water Quality Toxics Management Strategy, Appendix C, Permittee Guidance for Conducting a Toxics Reduction Evaluation (TRE)* (361-0100-003). The permittee shall investigate and address the following as part of the TRE:

1. The source(s) of the toxic pollutants in the effluent through a comprehensive review of influent and effluent quality and contributors to the facility, if applicable.
2. An evaluation of approaches and strategies that exist to reduce or eliminate sources in order to achieve the final WQBELs.

3. An evaluation of approaches and strategies that exist to provide treatment to achieve the final WQBELs.
4. An analysis of the feasibility of the approaches and strategies identified in paragraphs 2 and 3, above. Specifically, the permittee shall implement a Lead and Copper Corrosion Control Feasibility Study as part of the TRE. The Feasibility Study shall consist, at a minimum, of an evaluation of treatment alternatives, an evaluation of lead and copper solubility, and effects of treatment alternatives on other water treatment processes.

The permittee shall develop a TRE work plan and submit the work plan to DEP for review and comment when requested by DEP. DEP's approval of the work plan is not necessary prior to commencing the TRE.

D. Schedule and Final WQBEL Compliance Report

1. The permittee shall submit complete required studies and a Final WQBEL Compliance Report to DEP in accordance with the following schedule:

Action	Due Date
Complete New TRE Work Plan and Submit Work Plan (with copy of previous TRE Reports)	6 months of PED
Complete any additional TRE investigation and Site-Specific Data Collection	18 months of PED
Begin Implementing Actions Identified in the TRE to Reduce Pollutant Load (if applicable)	19 months of PED
Submit Final WQBEL Compliance Report	21 months of PED
Complete Actions Identified in TRE and Comply with Final Permit Limit	33 months of PED

2. The Final WQBEL Compliance Report shall consist of the following components:
 - a. Site-specific data collected in accordance with paragraph B, above.
 - b. If the permittee is requesting a modification to the final WQBELs based on the site-specific data, the permittee shall submit:
 - (1) Printouts of the TMS using the site-specific data along with all other assumptions and data used by DEP to establish the final WQBELs; and
 - (2) An application (3800-PM-BCW0027b) to DEP for a Major Amendment to the permit.
 - c. A TRE Report including a feasibility analysis or study, if applicable.
 - d. An assessment of whether the permittee will be capable of achieving the final WQBELs on the WQBEL Effective Date. The permittee shall notify DEP of one of the following conclusions:
 - (1) The permittee will achieve the final WQBELs on the WQBEL Effective Date. The permittee shall notify DEP of the measures that will be taken to comply.
 - (2) The permittee will or may be able to achieve the final WQBELs, but after the WQBEL Effective Date. The permittee shall notify DEP of its proposed alternative WQBEL Effective Date and include justification for the alternative date.
 - (3) The permittee will not be able to achieve the final WQBELs because all alternatives to control the toxic pollutant(s) are infeasible.
 - e. An application (3800-PM-BCW0027b) for a Major Amendment to the permit if the permittee concludes that it is not capable of achieving the final WQBELs on the WQBEL Effective Date or

compliance is infeasible, or if the permittee believes the final WQBELs should be modified based on site-specific data.

3. In response to the receipt of the Final WQBEL Compliance Report, DEP may:
 - a. Request additional research, studies or clarification if the permittee concludes that it cannot achieve final WQBELs by the WQBEL Effective Date or compliance is infeasible and DEP disagrees with this conclusion or believes that additional efforts are necessary before reaching this conclusion. The permittee shall comply with the schedule provided by DEP in writing for such additional efforts or an alternative agreed upon schedule.
 - b. Issue a draft Major Amendment to the permit that modifies the WQBELs in response to site-specific data or modifies the WQBEL Effective Date, for public comment.
 - c. Deny the application for a Major Amendment to the permit or place review of the application on hold until additional research or studies requested by DEP are complete.
 - d. Notify the permittee that DEP will consider a time extension to achieve the final WQBELs under 25 Pa. Code § 95.4 for the discharge upon the receipt of a request submitted by the permittee using Form No. 3800-FM-BCW0302, if it can be demonstrated that the criteria for a time extension under § 95.4 are met.
 - e. Notify the permittee that DEP will consider the submission of a site-specific criterion study (SSCS) to further modify WQBELs, where applicable. The permittee shall comply with the requirements set forth in DEP's notification letter for completion of a SSCS, including submission of a SSCS work plan.