

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

NPDES PERMIT NO: PAS232214

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.*,

American Rock Salt Co. LLC  
PO Box 190  
Mount Morris, NY 14510-0190

is authorized to discharge from a facility known as **Scranton Salt Storage Facility**, located in **Scranton City, Lackawanna County**, to **Lackawanna River (CWF, MF)** in Watershed(s) **5-A** 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)(2))

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

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

DATE PERMIT ISSUED DRAFT

ISSUED BY DRAFT

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° 23' 48.00", Longitude 75° 40' 38.00", River Mile Index -, Stream Code 28374

**Receiving Waters:** Lackawanna River (CWF, MF)

**Type of Effluent:** Intermittent Discharge, Stormwater

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) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(2)</sup> Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	0.140	XXX	XXX	XXX	XXX	Upon Request	Calculation
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	Upon Request	Grab
Chemical Oxygen Demand (COD)	Report	Report	XXX	Report	XXX	Report	Upon Request	Grab
Total Suspended Solids	Report	Report	XXX	Report	XXX	Report**	Upon Request	Grab
Total Dissolved Solids	Report	Report	XXX	Report	XXX	Report	Upon Request	Grab
Total Dissolved Solids	Report Annl Avg	XXX	XXX	Report Annl Avg	XXX	XXX	Upon Request	Calculation
Osmotic Pressure (mOs/kg)	XXX	XXX	XXX	XXX	1610***	2581	Upon Request	Grab
Oil and Grease	XXX	XXX	XXX	XXX	XXX	30.0	Upon Request	Grab
Rainfall (In)	XXX	Report Total Annual	XXX	XXX	XXX	XXX	1/year	Recorded
Rainfall (In)	XXX	Report Total Mo	XXX	XXX	XXX	XXX	1/month	Recorded
Nitrate-Nitrite as N	XXX	XXX	XXX	XXX	XXX	Report	Upon Request	Grab

## Outfall 001, Continued (from Permit Effective Date through Permit Expiration Date)

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(2)</sup> Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Total Nitrogen	XXX	XXX	XXX	XXX	XXX	Report	Upon Request	Grab
Total Kjeldahl Nitrogen	XXX	XXX	XXX	XXX	XXX	Report	Upon Request	Grab
Total Phosphorus	XXX	XXX	XXX	XXX	XXX	Report	Upon Request	Grab
Cyanide, Free (3)	Report	0.67	XXX	Report	0.574***	0.919	Upon Request	Grab
Chloride	Report	Report	XXX	Report	XXX	Report**	Upon Request	Grab

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

at Outfall 001 (receives flows from Outfall/Internal Monitoring Point (IMP) 101 Impoundment discharge and Outfall/IMP 201 (stormwater only)

\*See Part C.II.F.2.

\*\*See Part C benchmark requirements

\*\*\* The permittee may optionally collect composite samples in lieu of grab samples. The composite method may be either flow-weighted or time-weighted and performed manually or with the use of automated sampling equipment.

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

I. B. For Outfall 002, Latitude 41° 23' 50.00", Longitude 75° 40' 50.00", River Mile Index -, Stream Code 28374

**Receiving Waters:** Lackawanna River (CWF, MF)

**Type of Effluent:** Stormwater

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) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(2)</sup> Measurement Frequency*	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Maximum	Instant. Maximum		
pH (S.U.)	XXX	XXX	Report** Inst Min	XXX	XXX	Report**	Upon Request	Grab
Chemical Oxygen Demand (COD)	XXX	XXX	XXX	XXX	XXX	Report**	Upon Request	Grab
Total Suspended Solids	XXX	XXX	XXX	XXX	XXX	Report*	Upon Request	Grab
Total Dissolved Solids	XXX	XXX	XXX	XXX	XXX	Report	Upon Request	Grab
Osmotic Pressure (mOs/kg)	XXX	XXX	XXX	XXX	XXX	Report	Upon Request	Grab
Oil and Grease	XXX	XXX	XXX	XXX	XXX	30.0	Upon Request	Grab
Nitrate-Nitrite as N	XXX	XXX	XXX	XXX	XXX	Report	Upon Request	Grab
Total Nitrogen	XXX	XXX	XXX	XXX	XXX	Report	Upon Request	Grab
Total Kjeldahl Nitrogen	XXX	XXX	XXX	XXX	XXX	Report	Upon Request	Grab
Total Phosphorus	XXX	XXX	XXX	XXX	XXX	Report	Upon Request	Grab
Cyanide, Free	XXX	XXX	XXX	XXX	XXX	Report	Upon Request	Grab

## Outfall 002, Continued (from Permit Effective Date through Permit Expiration Date)

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(2)</sup> Measurement Frequency*	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Maximum	Instant. Maximum		
Chloride	XXX	XXX	XXX	XXX	XXX	Report**	Upon Request	Grab

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

at Outfall 002. Sheet flow drainage area including scale and access roads.

\* One sample must be collected during the period July through October (Saltpile build-up period) and one sample must be collected during the period through March 31 (upon request). See also Part C.II.F.2.

\*\*See Part C benchmark requirements

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

**I. C. For Outfall 101, Latitude 41° 23' 50.46", Longitude 75° 40' 48.00", River Mile Index -, Stream Code 28374**

**Receiving Waters:** Lackawanna River (CWF, MF) via Outfall 001.

**Type of Effluent:** Intermittent Wastewater Impoundment 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) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(2)</sup> Measurement Frequency	Required Sample Type*
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	0.140	XXX	XXX	XXX	XXX	Daily when Discharging	Calculation
Total Flow (Total Volume, Mgal) (M Gal)	Report Total Mo	Report	XXX	XXX	XXX	XXX	1/month	Calculation
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	Daily when Discharging	Grab
Chemical Oxygen Demand (COD)	Report	Report	XXX	Report	XXX	Report	Daily when Discharging	Grab
Total Suspended Solids	Report	Report	XXX	Report	XXX	Report**	Daily when Discharging	Grab
Total Dissolved Solids	Report Annl Avg	XXX	XXX	Report Annl Avg	XXX	XXX	1/year	Calculation
Total Dissolved Solids	Report	Report	XXX	Report	XXX	Report	Daily when Discharging	Grab
Osmotic Pressure (mOs/kg)	XXX	XXX	XXX	XXX	1610***	2581	Daily when Discharging	Grab
Oil and Grease	XXX	XXX	XXX	XXX	XXX	30.0	Daily when Discharging	Grab
Nitrate-Nitrite as N	XXX	XXX	XXX	XXX	XXX	Report	Daily when Discharging	Grab

## Outfall 101, Continued (from Permit Effective Date through Permit Expiration Date)

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(2)</sup> Measurement Frequency	Required Sample Type*
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Total Nitrogen	XXX	XXX	XXX	XXX	XXX	Report	Daily when Discharging	Calculation
Total Kjeldahl Nitrogen	XXX	XXX	XXX	XXX	XXX	Report	Daily when Discharging	Grab
Total Phosphorus	XXX	XXX	XXX	XXX	XXX	Report	Daily when Discharging	Grab
Cyanide, Free (3)	Report	0.67	XXX	Report	0.574***	0.919	Daily when Discharging	Grab
Chloride	Report	Report	XXX	Report	XXX	Report	Daily when Discharging	Grab

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

at Outfall/Internal Monitor Point 101 (wastewater impoundment discharge monitoring point)

\*Sampling within five (5) minutes of controlled discharge start. See Part C.II.C.5.c requirements for discharge.

\*\*See Part C benchmark requirements

\*\*\* The permittee may optionally collect composite samples in lieu of grab samples. The composite method may be either flow-weighted or time-weighted and performed manually or with the use of automated sampling equipment.

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

I. D. For Outfall 201, Latitude 41° 23' 51.13", Longitude 75° 40' 47.45", River Mile Index -, Stream Code 28374

Receiving Waters: Lackawanna River (CWF, MF)

Type of Effluent: Stormwater

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) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(2)</sup> Measurement Frequency*	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Maximum	Instant. Maximum		
pH (S.U.)	XXX	XXX	Report Inst Min	XXX	XXX	Report**	1/6 months	Grab
Chemical Oxygen Demand (COD)	XXX	XXX	XXX	XXX	XXX	Report**	1/6 months	Grab
Total Suspended Solids	XXX	XXX	XXX	XXX	XXX	Report	1/6 months	Grab
Total Dissolved Solids	Report Annl Avg	XXX	XXX	Report Annl Avg	XXX	XXX	1/year	Calculation
Total Dissolved Solids	XXX	XXX	XXX	XXX	XXX	Report	1/6 months	Grab
Osmotic Pressure (mOs/kg)	XXX	XXX	XXX	XXX	XXX	Report	1/6 months	Grab
Oil and Grease	XXX	XXX	XXX	XXX	XXX	30.0	1/6 months	Grab
Nitrate-Nitrite as N	XXX	XXX	XXX	XXX	XXX	Report	1/6 months	Grab
Total Nitrogen	XXX	XXX	XXX	XXX	XXX	Report	1/6 months	Calculation
Total Kjeldahl Nitrogen	XXX	XXX	XXX	XXX	XXX	Report	1/6 months	Grab
Total Phosphorus	XXX	XXX	XXX	XXX	XXX	Report	1/6 months	Grab

## Outfall 201, Continued (from Permit Effective Date through Permit Expiration Date)

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(2)</sup> Measurement Frequency*	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Maximum	Instant. Maximum		
Cyanide, Free	XXX	XXX	XXX	XXX	XXX	Report	1/6 months	Grab
Chloride	XXX	XXX	XXX	XXX	XXX	Report**	1/6 months	Grab

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

at Outfall 201. Receives Stormwater from the tarp covered rock salt storage pile and surrounding area outside of rock salt storage pad.

\*One sample must be collected during the period July through October (Saltpile build-up period) and one sample must be collected during the period January through March 31. See also Part C Stormwater requirements.

\*\*See Part C benchmark requirements

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

I. E. For Outfall 301, Latitude 41° 23' 50.00", Longitude 75° 40' 50.00", River Mile Index -, Stream Code 28374

**Receiving Waters:** Lackawanna River (CWF, MF)

**Type of Effluent:** Impoundment Leachate Detection Zone Monitoring Point

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) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(2)</sup> Measurement Frequency	Required Sample Type
	Average Monthly	Instantaneous Maximum	Minimum	Average Monthly	Maximum	Instant. Maximum		
pH (S.U.) Internal Monitoring Point	XXX	XXX	Report Inst Min	XXX	XXX	Report	1/year	Grab
Total Dissolved Solids Internal Monitoring Point	XXX	XXX	XXX	XXX	XXX	Report	1/year	Grab
Osmotic Pressure (mOs/kg) Internal Monitoring Point	XXX	XXX	XXX	XXX	XXX	Report	1/year	Grab
Cyanide, Free (ug/L) Internal Monitoring Point	XXX	XXX	XXX	XXX	XXX	Report	1/year	Grab
Sodium, Total Internal Monitoring Point	XXX	XXX	XXX	XXX	XXX	Report	1/year	Grab
Chloride Internal Monitoring Point	XXX	XXX	XXX	XXX	XXX	Report	1/year	Grab
Water Elevation (In) Internal Monitoring Point	XXX	Report	XXX	XXX	XXX	XXX	1/year	Measured

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

at Outfall 301

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

The permittee may not discharge:

1. Floating solids, scum, sheen or substances that result in observed deposits in the receiving water. (25 Pa Code § 92a.41(c))
2. Oil and grease in amounts that cause a film or sheen upon or discoloration of the waters of this Commonwealth or adjoining shoreline, or that exceed 15 mg/l as a daily average or 30 mg/l at any time (or lesser amounts if specified in this permit). (25 Pa. Code § 92a.47(a)(7), § 95.2(2))
3. Substances in concentration or amounts sufficient to be inimical or harmful to the water uses to be protected or to human, animal, plant or aquatic life. (25 Pa Code § 93.6(a))
4. Foam or substances that produce an observed change in the color, taste, odor or turbidity of the receiving water, unless those conditions are otherwise controlled through effluent limitations or other requirements in this permit. 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))

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.
- (3) Exceedances of the Maximum Daily limitation for this parameter is subject to 24-hour reporting as specified in Part A III.C.4.b.(i).

Supplemental Information

The effluent limitations for Outfall 001/101 were determined using an effluent discharge rate of 0.140 MGD.

## 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))

**Benchmark Value** means the concentration of a pollutant that serves as the threshold for the determination of whether existing site best management practices are effective in controlling stormwater pollution. Benchmark values are not effluent limitations. Two or more consecutive monitoring period exceedances of benchmark values triggers the requirement to develop and submit a corrective action plan, implement additional controls, or apply for an individual permit if notified in writing by DEP.

**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).

**Chemical Additive** means a chemical product (including products of disassociation and degradation, collectively "products") introduced into a waste stream that is used for cleaning, disinfecting, or maintenance and which may be detected in effluent discharged to waters of the Commonwealth. The term generally excludes chemicals used for neutralization of waste streams, the production of goods, and treatment of wastewater.

**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). A separate analysis should be performed for each sample and the results should be averaged.

**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)

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

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

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

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

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

**Monthly Average Discharge Limitation** means the highest allowable average of "daily discharges" over a calendar month, calculated as the sum of all "daily discharges" measured during a calendar month divided by the number of "daily discharges" measured during that month. (25 Pa. Code § 92a.2)

**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)

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

**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) & (xi) and 25 Pa. Code § 92a.2.

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

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

### III. SELF-MONITORING, REPORTING AND RECORDKEEPING

#### A. Representative Sampling

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](http://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 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), the permittee shall provide notice to DEP 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 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 facility, and any anticipated impact of the change on the quantity or quality of effluent to be discharged from the facility. The Report shall be sent via Certified Mail or other means to confirm DEP's receipt of the notification. DEP will determine if the submission of a new application and receipt of a new or amended permit is required.

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

New pollutants are defined as parameters that meet all of the following criteria:

- (i) Were not detected in the facilities' influent waste stream as reported in the permit application; and

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

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

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

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

- (i) Were detected in the facilities' influent waste stream as reported in the permittee's permit application; or
- (ii) Have been approved to be included in the permittee's influent waste stream by DEP in writing; or
- (iii) 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, or (2) may cause an exceedance in the effluent of Effluent Limitation Guidelines (ELGs) or limitations in Part A of this permit, or (3) may cause interference or pass through at the facility (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 and may not cause exceedances of the applicable water quality standards in the receiving stream.

3. Reporting Requirements for Hauled-In Wastes

a. Receipt of Residual Waste

- (i) The permittee shall document the receipt of all hauled-in residual wastes (including but not limited to wastewater from oil and gas wells, food processing waste, and landfill leachate), 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) The following conditions apply to the characterization of residual wastes received by the permittee:
  - (1) 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 except as noted in paragraph (2), below. Each load of residual waste received must be covered by a chemical analysis if the generator is required to complete it.
  - (2) For wastewater generated from hydraulic fracturing operations ("frac wastewater") within the first 30 production days of a well site, the chemical analysis may be a general frac wastewater characterization approved by DEP. Thereafter, the chemical analysis must be waste-specific and be reported on the Form 26R.

b. Receipt of Municipal Waste

- (i) The permittee shall document the receipt of all hauled-in municipal wastes (including but not limited to septage and liquid sewage sludge), 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 BOD<sub>5</sub> concentration (mg/l) and load (lbs) for the wastes received.
- (4) The location(s) where wastes were disposed of within the treatment facility.
- (ii) Sampling and analysis of hauled-in municipal wastes must be completed to characterize the organic strength of the wastes, unless composite sampling of influent wastewater is performed at a location downstream of the point of entry for the wastes.

4. Unanticipated Noncompliance or Potential Pollution Reporting

- a. Immediate Reporting - The permittee shall immediately report any incident causing or threatening pollution in accordance with the requirements of 25 Pa. Code §§ 91.33 and 92a.41(b).
  - (i) If, because of an accident, other activity or incident a toxic substance or another substance which would endanger users downstream from the discharge, or would otherwise result in pollution or create a danger of pollution or would damage property, the permittee shall immediately notify DEP by telephone of the location and nature of the danger. Oral notification to the Department is required as soon as possible, but no later than 4 hours after the permittee becomes aware of the incident causing or threatening pollution.
  - (ii) If reasonably possible to do so, the permittee shall immediately notify downstream users of the waters of the Commonwealth to which the substance was discharged. Such notice shall include the location and nature of the danger.

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

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

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

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

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

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

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

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

## 5. Other Noncompliance

The permittee shall report all instances of noncompliance not reported under paragraph C.4 of this section or specific requirements of compliance schedules, at the time DMRs are submitted, on the Non-Compliance Reporting Form (3800-FM-BCW0440). The reports shall contain the information listed in paragraph C.4.b.(ii) of this section. (40 CFR 122.41(l)(7))

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

1. That any activity has occurred, or will occur, which would result in the discharge of any toxic pollutant which is not limited in this permit, if that discharge on a routine or frequent basis will exceed the highest of the following "notification levels": (40 CFR 122.42(a)(1))
  - a. One hundred micrograms per liter.
  - b. Two hundred micrograms per liter for acrolein and acrylonitrile.
  - c. Five hundred micrograms per liter for 2,4-dinitrophenol and 2-methyl-4,6-dinitrophenol.
  - d. One milligram per liter for antimony.

- e. Five times the maximum concentration value reported for that pollutant in this permit application.
- f. Any other notification level established by DEP.

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

- a. Five hundred micrograms per liter.
- b. One milligram per liter for antimony.
- c. Ten times the maximum concentration value reported for that pollutant in the permit application.
- d. Any other notification level established by DEP.

E. 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 **IW Minor without ELG Permit** fee category, which has an annual fee of **\$1,500**.

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](http://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))

**D. Proper Operation and Maintenance**

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

**E. Duty to Mitigate**

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

#### F. Bypassing

1. Bypassing Not Exceeding Permit Limitations - The permittee may allow a bypass to occur which does not cause effluent limitations to be exceeded, but only if it also is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions in paragraphs two, three and four of this section. (40 CFR 122.41(m)(2))
2. Other Bypassing - In all other situations, bypassing is prohibited and DEP may take enforcement action against the permittee for bypass unless:
  - a. A bypass is unavoidable to prevent loss of life, personal injury or "severe property damage." (40 CFR 122.41(m)(4)(i)(A))
  - b. There are no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate backup equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance. (40 CFR 122.41(m)(4)(i)(B))
  - c. The permittee submitted the necessary notice required in F.4.a. and b. below. (40 CFR 122.41(m)(4)(i)(C))
3. DEP may approve an anticipated bypass, after considering its adverse effects, if DEP determines that it will meet the conditions listed in F.2. above. (40 CFR 122.41(m)(4)(ii))
4. Notice
  - a. Anticipated Bypass – If the permittee knows in advance of the need for a bypass, it shall submit prior notice, if possible, at least 10 days before the bypass. (40 CFR 122.41(m)(3)(i))
  - b. Unanticipated Bypass – 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.

#### G. 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, as applicable.
3. The permittee shall submit the NOT to the DEP regional office with jurisdiction over the county in which the facility 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; ([40 CFR 122.61\(b\)\(2\)](#))
  - c. DEP does not notify the existing permittee and the proposed new permittee of its intent to modify or revoke and reissue this permit, the transfer is effective on the date specified in the agreement mentioned in paragraph 2.b. of this section; and ([40 CFR 122.61\(b\)\(3\)](#))
  - d. The new permittee is in compliance with existing DEP issued permits, regulations, orders and schedules of compliance, or has demonstrated that any noncompliance with the existing permits has been resolved by an appropriate compliance action or by the terms and conditions of the permit (including compliance schedules set forth in the permit), consistent with 25 Pa. Code § 92a.51 (relating to schedules of compliance) and other appropriate DEP regulations. ([25 Pa. Code § 92a.71](#))
3. In the event DEP does not approve transfer of this permit, the new owner or 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. 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 structures associated with the herein approved discharge in, along, or across private property, with full rights of ingress, egress and regress.
- B. Collected screenings, slurries, sludges, and other solids shall be handled, recycled and/or disposed of in compliance with the Solid Waste Management Act (35 P.S. §§ 6018.101 – 6018.1003), 25 Pa. Code Chapters 287, 288, 289, 291, 295, 297, and 299 (relating to requirements for landfilling, impoundments, land application, composting, processing, and storage of residual waste), Chapters 261a, 262a, 263a, and 270a (related to identification of hazardous waste, requirements for generators and transporters, and hazardous waste, requirements for generators and transporters, and hazardous waste permit programs), federal regulation 40 CFR Part 257, The Clean Streams Law, and the Federal Clean Water Act and its amendments. Screenings collected at intake structures shall be collected and managed and not be returned to the receiving waters.

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.

- C. The terms and conditions of Water Quality Management (WQM) permits that may have been issued to the permittee relating to discharge requirements are superseded by this NPDES permit unless otherwise stated herein.
- D. If the applicable standard or effluent guideline limitation relating to the application for Best Available Technology (BAT) Economically Achievable or to Best Conventional Technology (BCT) is developed by DEP or EPA for this type of industry, and if such standard or limitation is more stringent than the corresponding limitations of this permit (or if it controls pollutants not covered by this permit), DEP may modify or revoke and reissue the permit to conform with that standard or limitation.
- E. The term "salt" is inclusive of solid chemical products stored and utilized for the principal purpose of deicing roadways for public safety (including but not limited to sodium chloride, magnesium chloride, calcium chloride, calcium magnesium acetate, potassium acetate, and mixtures thereof). Non-salt and non-aggregate materials for deicing, including but not limited to coal ash and incinerator ash, are subject to Part A.III.C.2 (Planned Changes in Waste Stream notification requirements) prior to any storage onsite.
- F. Total Dissolved Solids (TDS) Annual Average Daily Load: The permittee shall monitor and report the annual average daily load of Total Dissolved Solids (TDS), measured as the annual average daily discharge in pounds per day over the course of a calendar year. If the annual average daily TDS load is found to exceed 5,000 pounds per day the facility shall be subject to the treatment requirements contained at 25 Pa. Code 95.10(c). Within 90 days of the finding that the annual average daily TDS load exceeds 5000 pounds per day, the permittee shall apply for a new permit or an amended permit to incorporate the treatment requirements for TDS (2,000 mg/L as an monthly average limit) into a new or amended permit, or otherwise obtain a variance from the treatment requirements as per the provisions of 25 Pa. Code 95.10 (d). If a less stringent loading or concentration limit for TDS is approved under a variance, the new requirements shall be incorporated into a new or amended permit. The Annual Average Daily Loadings shall be calculated as follows:
  - i. Annual Average Daily Load: Sum of Outfalls No. 001 and 002 loadings.

1. Outfall No. 001: Sum of Outfall Nos. 101 and 201 and Emergency Spillway discharge Annual Average Mass loadings. In event of emergency spillway contribution, the permittee shall calculate the emergency spillway loading via calculating the expected annual loadings using the Outfall No. 201 methodology (adjusted for Outfall No. 001 monitoring frequency) and subtracting the Outfall No. 101 TDS loading.
2. Outfall No. 101: Sum of each recorded daily discharge mass load (lbs) during the calendar year divided by number of calendar days per year:
3. Daily Discharge Load (lbs/day): The daily discharge load (lbs/day) equals the average daily flow (MGD) on the day of sampling, multiplied by that day's sample concentration (mg/l), multiplied by 8.34.
4. Average Monthly Load (lbs./day): Equals the sum of the daily discharge loads for that calendar month divided by the number of daily samples per month.
5. Daily Discharge Mass Load = Discharge volume (MG) x TDS IMAX concentration (mg/l) x 8.34 conversion factor.
6. Emergency Spillway Flow Contribution: In event of emergency spillway releases, the additional volume of emergency spillway discharge shall be calculated via the Outfall No. 201 methodology (below), and accounted for in the Outfall No. 101 calculations.
7. Monthly Discharge Loading: Sum of daily discharge mass loads for the calendar month.

- ii. Outfall No. 201 and 002: Sum of quarterly mass loadings (lbs) divided by number of calendar days per year.
  1. Quarterly Rainfall Volume:  $V = C \times I \times A \times 7.481$  conversion factor
    - a. Runoff Coefficient C: 0.9 for paved areas and 0.5 for unpaved areas
    - b. Rainfall/Precipitation Intensity I: Total quarterly precipitation in feet
    - c. Area A: Square foot of drainage area (broken down into paved and unpaved areas as needed).
  2. Quarterly Mass Load: Mass load (lbs) = Quarterly Rainfall Volume x TDS IMAX concentration (mg/l) x 8.34. Outfall No. 201 TDS data shall be used for Outfall No. 002 calculations unless Outfall No. 002 data is available.

G. The Impoundment shall be marked to allow for easy visual identification of the Chapter 91.35-required minimum 2 feet freeboard elevation (717 Feet Elevation or as determined in the field) and the 715.94 Feet Elevation. Impoundment water levels shall be inspected each operating day and recorded. The Department shall be notified whenever the minimum 2 Feet freeboard is not present. The Department shall be notified in event of emergency spillway discharges.

H. Osmotic pressure is not a function of weight concentration alone (mg/l); but rather a function of particle concentration (moles/l). Osmolality is specified in terms of milliosmoles/kilogram (mOs/kg).

I. The permittee shall regulate the discharge from the impoundment basin so that the Daily Maximum Discharge does not exceed 0.140 million gallons per day (MGD).

J. The permittee shall install and maintain an asphalt apron around the outside perimeter of the jersey barriers in order to capture any salt that may spill over the barriers.

## II. REQUIREMENTS APPLICABLE TO STORMWATER OUTFALLS

- A. The permittee is authorized to discharge non-polluting stormwater from its site, alone or in combination with other wastewaters, through the following outfalls:

Outfall No*.	Area Drained (ft <sup>2</sup> )	Latitude	Longitude	Description
001	143,925	41° 23' 48.00"	75° 40' 38.00"	Receiving intermittent Lined stormwater Impoundment/storage pad stormwater discharges plus Outfall No. 201 stormwater.
002	301,890	40° 23' 50"	-75° 40' 50"	Stormwater sheet flow drainage area including trailer office, access road, scale, Rail spur, and any other stormwater area not draining to Outfall No. 201. Upslope rail lines act to limit the total drainage area. Outfall No. 201 discharge is assumed representative in the absence of known spill, leak or release.
201	10,700	41° 23' 51.13"	-75° 40' 47.45"	Stormwater from the Salt Storage Pad's outside apron and Stormwater swale contiguous to Storage Pad Internal Monitor Point prior to commingling with IMP No. 101 (wastewater impoundment discharge).

Monitoring requirements and effluent limitations for these outfalls are specified in Part A of this permit, if applicable.

B. Stormwater Annual Report.

The permittee shall submit a complete Annual Report to the DEP office that issued the permit by May 1 each year using DEP's Annual Report template, attached to this permit. The Annual Report shall address activities under the permit for the previous calendar year. The permittee shall submit the Annual Report electronically if notified by DEP in writing. If the permittee discharges to a municipal separate storm sewer system (MS4), a copy of the Annual Report shall be submitted to the operator of the MS4.

C. Best Management Practices (BMPs).

The permittee shall implement and, as necessary, maintain the following BMPs to remain in compliance with this permit.

1. Pollution Prevention and Exposure Minimization.

The permittee shall minimize the exposure of manufacturing, processing, and material storage areas (including loading and unloading, storage, disposal, cleaning, maintenance, and fueling operations) to rain, snow, snowmelt, and runoff in order to minimize pollutant discharges by either locating industrial materials and activities inside or protecting them with

storm resistant coverings wherever feasible. The permittee shall implement and maintain the following measures, at a minimum:

- a. Use grading, berthing or curbing to prevent runoff of polluted stormwater and divert runoff away from areas that contain or have the potential to generate polluted stormwater
- b. Locate materials, equipment, and activities so that potential leaks and spills are contained or able to be contained or diverted before discharge to surface waters
- c. Clean up spills and leaks promptly using dry methods (e.g., absorbents) to prevent the discharge of pollutants to surface waters
- d. Store leaky vehicles and equipment indoors or, if stored outdoors, use drip pans and absorbents to prevent the release of pollutants to the environment.
- e. Use spill/overflow protection equipment.
- f. Perform all vehicle and/or equipment cleaning operations indoors, under cover, or in bermed areas that prevent runoff and run-on and also that capture any overspray. Store all vehicle and equipment maintenance materials – such as oils, hydraulic fluids, and lubricants – indoors or under storm resistant coverings, with adequate spill protection measures in place.
- g. Ensure that all material and chemical storage containers with the potential to cause a discharge of pollutants remain properly sealed at all times, except while in use. All empty containers shall be properly sealed and stored prior to disposal.
- h. Drain fluids from equipment and vehicles that will be decommissioned, and, for any equipment and vehicles that will remain unused for extended periods of time, inspect at least monthly for leaks.
- i. Keep all dumpster lids closed when not in use. For dumpsters and roll off boxes that do not have lids, ensure that discharges have a control (e.g., secondary containment, treatment). This General Permit does not authorize dry weather discharges from dumpsters or roll off boxes.
- j. Minimize contamination of stormwater runoff from fueling areas by implementing the following BMPs where determined to be feasible: cover fueling areas; install oil/water separators or oil and grease traps in fueling area storm drains; use berms to prevent run-on to and runoff from fueling areas; use spill/overflow protection and cleanup equipment; use dry cleanup methods; and/or treat and/or recycle collected stormwater runoff.
- k. Train employees routinely (no less than annually) on pollution prevention practices as contained in the PPC Plan.

2. Good Housekeeping.

The permittee shall perform good housekeeping measures in order to minimize pollutant discharges including the routine implementation of the following measures, at a minimum:

- a. Implement a routine cleaning and maintenance program for all impervious areas of the facility where particulate matter, dust or debris may accumulate to minimize the discharge of pollutants in stormwater. The cleaning and maintenance program must encompass, as appropriate, areas where material loading and unloading, storage, handling and processing occur.

- b. Store materials in appropriate containers.
- c. Minimize the potential for waste, garbage and floatable debris to be discharged by keeping exposed areas free of such materials, or by intercepting them before they are discharged.
- d. Eliminate floor drain connections to storm sewers.
- e. Use drip pans, drain boards, and drying racks to direct drips back into a fluid holding tank for reuse. Drain fluids from all equipment and parts prior to disposal. Promptly transfer used fluids to the proper container; do not leave full drip pans or other open containers around the shop. Empty and clean drip pans and containers.
- f. Label and track the recycling of waste material (e.g., used oil, spent solvents, batteries).
- g. Prohibit the practice of hosing down an area where the practice would result in the discharge of pollutants to a municipal or other storm water collection system that conveys pollutants off-site without proper treatment.
- h. Maintain the accessibility of all outfall locations for the purposes of inspections and sampling.

3. Erosion and Sediment Controls.
  - a. The permittee shall minimize erosion and pollutant discharges by stabilizing exposed soils and placing flow velocity dissipation devices at discharge locations to minimize channel and stream bank erosion and scour in the immediate vicinity of stormwater outfalls.
  - b. The permittee shall conduct all earth disturbance activities and, when applicable, shall maintain all post-construction stormwater management (PCSM) BMPs in accordance with 25 Pa. Code Chapter 102.
  - c. The permittee may not utilize polymers or other chemicals to treat stormwater unless written permission is obtained from DEP.
4. Spill Prevention and Responses.

The permittee shall minimize the potential for leaks, spills and other releases that may be exposed to stormwater and develop a PPC Plan for effective responses to such releases. The permittee shall conduct the following spill prevention and response measures, at a minimum:

- a. Maintain an organized inventory of materials on-site. Plainly label containers (e.g., "Used Oil," "Spent Solvents," "Fertilizers and Pesticides") that could be susceptible to spillage or leakage to encourage proper handling and facilitate rapid response if spills or leaks occur.
- b. Implement procedures for material storage and handling, including the use of secondary containment and barriers between material storage and traffic areas, or a similarly effective means designed to prevent the discharge of pollutants from these areas.
- c. Develop and implement employee and contractor training on the procedures for expeditiously stopping, containing, and cleaning up leaks, spills, and other releases. This shall also address all sector-specific procedures and potential pollutant sources relating to the industrial activity present on site including, but not limited to: use of reused and

recycled waters; solvents management; proper disposal of dyes, petroleum products, and spent lubricants; hazardous treatment chemicals; and any additional training requirements included in the applicable appendices. The permittee shall conduct periodic training, no less than annually, and document the training on the Annual Report specified in paragraph B of this section.

- d. Keep spill kits on-site, located near areas where spills may occur or where a rapid response can be made.
- e. Notify appropriate facility personnel when a leak, spill, or other release occurs.
- f. To the extent possible, eliminate or reduce the number and amount of hazardous materials and waste by substituting non-hazardous or less hazardous materials of equal function, as determined by the permittee.
- g. Clean up leaks, drips, and other spills without using large amounts of water or liquid cleaners. Use absorbents for dry cleanup whenever possible.

When a leak, spill or other release occurs during a 24-hour period that contains a hazardous substance or oil in an amount equal to or in excess of a reportable quantity established under 40 CFR Parts 110, 117 or 302, the permittee shall, in addition to the notification requirements contained in Part A III.C.4 of this permit, notify the National Response Center (NRC) at (800) 424-8802 in accordance with the requirements of 40 CFR Parts 110, 117, and 302 as soon as the permittee becomes aware of the discharge.

5. Sector- and Site-Specific BMPs.
  - a. The permittee shall implement the BMPs in the applicable Appendix to the NPDES PAG-03 General Permit for Discharges of Stormwater Associated with Industrial Activities that is currently in effect. See Attachment 2 for quick-reference to the 2023 Appendix K Salt Pile BMPs.
  - b. Stormwater discharges associated with exposed salt storage piles and distribution stockpiles runoff shall be controlled to prevent, or minimize to the maximum extent feasible, salt from flowing or being carried by stormwater runoff into waters of the Commonwealth through the implementation of a program of Best Management Practices (BMPs). All new and existing discharges must meet this requirement upon submission of an application. The permittee shall implement at least all of the BMPs contained in the appropriate documents referenced below.
  - c. The stormwater impoundment at Monitoring Point 101 shall be equipped with an effluent flow control mechanism to enable the impoundment to be drained when necessary to minimal levels during or shortly after a storm when stream flow is high. By maintaining a low pond elevation, the system will have capacity to assimilate the next storm event. Adequate detention time should still be provided to allow for solid settling. The impoundment must be lined with compacted clay, synthetic liners or other material so as to render it "impermeable."
  - d. For Distribution Stockpiles (designed for piles greater than 3,000 tons), the applicable recommendations and BMPs from the "Salt Institute Voluntary Salt Storage Guidelines for Distribution Stockpiles" document dated October 2000 or any subsequent revisions must be incorporated in the PPC Plan for the site. At a minimum, these large piles must be covered at all times with canvas, polyethylene films or other synthetic material except when receiving salt, building the stockpile or loading out to customers and then only the working face may be exposed. These piles must be contained on an impermeable base.

e. The following is a list of ARSC BMP commitments:

i. Good Housekeeping:

1. All places of employment, passageways, storerooms, and service rooms are kept clean, orderly and in sanitary condition.
2. Means of egress are kept clear of tools, materials, and debris.
3. Equipment is visually checked and maintained on a daily basis.
4. Wherever possible, materials are stored inside to prevent exposure to weather conditions so as to avoid impacts to the extent possible.
5. Trash and rubbish are removed to dumpster on an as-needed basis.
6. Drip pans, absorbent pads, and/or other means are used under hose connections and in other situations where minor drips or spills are likely.
7. Incidental drips and spills of regulated substances will be cleaned up immediately.

ii. Preventative Maintenance:

1. Routinely clean the drainage channel leading into the retention pond and other conveyances of stormwater to prevent debris and silt accumulation.
2. Replace or repair waste collection bins if damaged or leaking.
3. If indications of leaks, spills, or drips are evident anywhere in the facility, identify and correct the problem.

iii. Visual Inspections:

1. Routine facility inspections shall be conducted. If conditions are discovered which could impact stormwater quality, corrective action will be taken. Records of corrective actions will be maintained.

iv. Spill Prevention and Response:

1. All employees should receive initial and refresher training in spill response and related environmental issues.
2. If a discharge of a regulated substance occurs, appropriate measures to prevent adverse environmental impacts will be taken.

v. Runoff Management Practices:

1. Grading and paving in operating areas to divert stormwater away from areas that could potentially impact stormwater and prevent mixing with runoff.
2. Parking areas are gravel which allows stormwater to absorb into the ground and also minimizes erosion.

vi. Record Keeping and Reporting:

1. Records of discharges of regulated substances, monitoring, inspection, and maintenance activities will be retained onsite.

vii. Additional BMPs: The facility will comply with the applicable BMPs and stormwater controls set forth in the NPDES Permit Attachment 1 "Salt Institute Voluntary Salt Storage Guidelines" – Best Management Practices and Stormwater Controls".

viii. BMP Minimum Implementation Schedule:

Task / Activity	Minimum Frequency
BMP Implementation	Ongoing
Site Inspections	Daily Inspections for stormwater BMPs & Impoundment Quarterly Site Inspections
Good Housekeeping	Daily
Preventive Maintenance	Quarterly
Spill Prevention and Response	Quarterly
Sedimentation and Erosion Control	Quarterly
Runoff Management Practices	Quarterly

Employee Training	New Employees: When hired All Employees: Annual Refresher and/or when O&M practices are updated.
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f. Self-inspection Reports: The facility shall maintain monthly self-inspection reports onsite, and make them readily available to the DEP Inspector upon request for:

1. Access Roads/Scales:
  - a. Any spill, leak or release (including salt) outside secondary containment
2. Salt Pile Coverage based on tonnage.
  - a. Active Pile Building & Tarp Covering Stage
  - b. Tonnage received
  - c. Tonnage Loaded out
  - d. Tonnage currently onsite
  - e. Stage covered.
2. BMP Conditions Compliance with Permit Requirements:
  - a. Impervious Pad
  - b. Tarp integrity
  - c. Jersey barrier gaps (to prevent salt release)
  - d. Impoundment
  - e. Outfall/IMP condition

D. Routine Inspections.

1. The permittee shall visually inspect the following areas and BMPs on a semiannual basis (calendar periods), at a minimum:
  - a. Areas where industrial materials or activities are exposed to stormwater.
  - b. Areas identified in the PPC Plan as potential pollutant sources.
  - c. Areas where spills or leaks have occurred in the past three years.
  - d. Stormwater outfalls and locations where authorized non-stormwater discharges may commingle.
  - e. Physical BMPs used to comply with this permit.

At least once each calendar year, the routine inspection must be conducted during a storm event that is greater than 0.1 inch in magnitude and that occurs at least 72 hours from the previous measurable (greater than 0.1 inch rainfall) storm event, when a stormwater discharge is occurring.

2. The permittee shall evaluate and document the following conditions, at a minimum, in the Annual Report required by paragraph B of this section through required inspections:
  - a. Raw materials, products (intermediate, in-process, or final) or wastes that may have or could come into contact with stormwater.
  - b. Leaks or spills from equipment, drums, tanks, and other containers.
  - c. Off-site tracking of industrial or waste materials, or sediment where vehicles enter or exit the site.
  - d. Tracking or blowing of raw, intermediate, or final products or waste materials from areas of no exposure to exposed areas.

- e. Control measures or BMPs needing replacement, maintenance or repair.
- f. The presence of authorized non-stormwater discharges that were not identified in the permit application and non-stormwater discharges not authorized by this permit.

#### E. Preparedness, Prevention and Contingency (PPC) Plan

- 1. The permittee shall develop and implement a PPC Plan in accordance with 25 Pa. Code § 91.34 following the guidance contained in DEP's "Guidelines for the Development and Implementation of Environmental Emergency Response Plans" (DEP ID 400-2200-001), its NPDES-specific addendum and the minimum requirements below.
  - a. The PPC Plan must identify all potential sources of pollutants that may reasonably be expected to affect the quality of stormwater discharges from the facility.
  - b. The PPC Plan must describe preventative measures and BMPs that will be implemented to reduce or eliminate pollutants from coming into contact with stormwater resulting from routine site activities and spills.
  - c. The PPC Plan must address actions that will be taken in response to on-site spills or other pollution incidents.
  - d. The PPC Plan must identify areas which, due to topography or other factors, have a high potential for soil erosion, and identify measures to limit erosion. Where necessary, erosion and sediment control measures must be developed and implemented in accordance with 25 Pa. Code Chapter 102 and DEP's "Erosion and Sediment Pollution Control Manual" (DEP ID 363-2134-008).
  - e. The PPC Plan must address security measures to prevent accidental or intentional entry which could result in an unintentional discharge of pollutants.
  - f. The PPC Plan must include a plan for training employees and contractors on pollution prevention, BMPs, and emergency response measures. This training must be conducted in accordance with paragraph C.4.c of this section.
  - g. If the facility is subject to SARA Title III, Section 313, the PPC Plan must identify releases of "Water Priority Chemicals" within the previous three years. Water Priority Chemicals are those identified in EPA's "Guidance for the Determination of Appropriate Methods for the Detection of Section 313 Water Priority Chemicals" (EPA 833-B-94-001, April 1994). The Plan must include an evaluation of all activities that may result in the stormwater discharge of Water Priority Chemicals.
  - h. Spill Prevention Control and Countermeasure (SPCC) plans may be used to meet the requirements of this section if the minimum requirements are addressed.
- 2. The permittee shall review and if necessary update the PPC Plan on an annual basis, at a minimum, and when one or more of the following occur:
  - a. Applicable DEP or federal regulations are revised, or this permit is revised.
  - b. The PPC Plan fails in an emergency.
  - c. The facility's design, industrial process, operation, maintenance, or other circumstances change in a manner that materially increases the potential for fires, explosions or releases of toxic or hazardous constituents; or which changes the response necessary in an emergency.

- d. The list of emergency coordinators or equipment changes.
- e. When notified in writing by DEP.

The permittee shall maintain all PPC Plan updates on-site, make the updates available to DEP upon request, and document the updates in Annual Reports.

#### F. Stormwater Monitoring Requirements.

- 1. The permittee shall conduct monitoring of its stormwater discharges at the representative outfalls identified in Part A of this permit, if applicable. The permittee shall document stormwater sampling event information and no exposure conditions for each calendar year on the Annual Report required by paragraph B of this section.
- 2. The permittee shall, upon written notice from DEP, install inlets, pipes, and/or other structures or devices that are considered necessary in order to conduct representative stormwater sampling, in accordance with a schedule provided by DEP.
- 3. The permittee shall collect all samples from discharges resulting from a storm event that is greater than 0.1 inch in magnitude and that occurs at least 72 hours from the previously measurable (greater than 0.1 inch rainfall) storm event. The 72-hour storm interval is waived when the preceding storm did not yield a measurable discharge, or if the permittee is able to document that a less than 72-hour interval is representative for local storm events during the sample period.
- 4. The permittee shall collect all grab samples within the first 30 minutes of a discharge, unless the permittee determines that this is not possible, in which case grab samples must be collected as soon as possible after the first 30 minutes of a discharge. The permittee shall explain why samples could not be collected within the first 30 minutes of any discharge on the Annual Report required by paragraph B of this section.
- 5. In the event that the permittee's stormwater runoff is directed to a basin or other stormwater control structure that does not discharge during a given monitoring period, the permittee may report "No Discharge" on DMRs. The permittee shall submit the results of at least one sample near the basin outflow structure during a representative storm event on the renewal permit application.
- 6. The permittee shall collect stormwater samples at times when commingling with non-stormwater discharges is not occurring or at locations prior to the commingling of non-stormwater discharges, unless Part A of this permit recognizes commingling of stormwater and non-stormwater discharges.
- 7. In the event that discharge concentrations for a parameter exceeds the benchmark values identified below at the same outfall for two or more consecutive monitoring periods, the permittee shall implement a corrective action plan to reduce the concentrations of the parameters in stormwater discharges in accordance with Paragraph G below.

Parameter	Benchmark Value
Total Suspended Solids (TSS)	100 mg/l
Chemical Oxygen Demand (COD)	120 mg/l
Chloride	2000 mg/l
pH	9.0 max SU

- 8. Discharges from valve-controlled wastewater impoundment shall be subject to the following requirements:

- a. Prior to initiating a discharge from these structures, the permittee shall visually inspect the stormwater/wastewater to determine if there is a visible sheen and/or other floating materials.
- b. All visible sheening and/or floating materials shall be removed and properly disposed of prior to discharge.
- c. The permittee shall collect samples for the purpose of satisfying monitoring requirements within the first five minutes of the onset of the discharge at minimum. The permittee may optionally collect composite samples in lieu of grab samples. The composite method may be either flow-weighted or time-weighted and performed manually or with the use of automated sampling equipment.
- d. The permittee shall ensure that the retained stormwater is discharged in such a way to prevent the transport of any accumulated settled solids within the stormwater retention structure.
- e. In the event that the permittee's stormwater runoff is directed to a basin or other stormwater control structure that does not discharge during a given monitoring period, the permittee may report "No Discharge" on DMRs.

#### 9. Target Quantitation Limits (TQLs)

- a. To fulfill the requirements of Part A, the permittee shall achieve the following TQLs for each pollutant that requires analysis:

Parameter	TQL
Total Nitrogen*	1.05 mg/L
Total Phosphorus	0.01 mg/L
Total Suspended Solids (TSS)	2.0 mg/L
Chemical Oxygen Demand (COD)	15 mg/L
Oil and Grease	5.0 mg/L
Ammonia-Nitrogen	0.02 mg/L
Nitrate + Nitrite-Nitrogen	0.05 mg/L
Total Kjeldahl Nitrogen	1.0 mg/L
Chloride	0.5 mg/L
Total Aluminum	10 $\mu$ g/L
Total Cyanide	10 $\mu$ g/L
Total Dissolved Solids	2.0 mg/L
Total Iron	20 $\mu$ g/L
Free Cyanide	1.0 $\mu$ g/L

\* Total Nitrogen is the sum of Nitrate + Nitrite-Nitrogen and Total Kjeldahl Nitrogen

- b. The permittee shall, where determined to be feasible by the permittee, achieve a Quantitation Limit (QL) less than the TQL identified above to improve the level of confidence that state water quality standards are being met in the receiving waters.
- c. The permittee shall manage non-detect values and report statistical results to DEP in accordance with DEP's published DMR guidance, *Discharge Monitoring Reports: A Guide to Electronic and Paper DMR Reporting* (3800-BK-DEP3047).

#### G. Corrective Action Plan

- i. After **two or more** consecutive exceedances of benchmark values (starting on the effective date of this Permit), develop a corrective action plan (CAP) to reduce the concentrations of the pollutants in stormwater discharges. Failure to submit and implement a CAP constitutes non-compliance.

The permittee shall submit the CAP to DEP within 90 days of the end of the monitoring period triggering the need for the plan and shall implement the plan immediately or in accordance with a schedule proposed by the permittee in the CAP, unless otherwise notified by DEP in writing. The permittee shall, in developing the plan, evaluate alternatives to reduce stormwater concentrations and implement all relevant and feasible control measures, unless the permittee can demonstrate one or more of the following:

- a. The exceedances are solely attributable to natural background sources or to run-on from off-site;
- f. No further pollutant reductions are technologically available and economically practicable and achievable in light of best industry practice; or
- g. Further pollutant reductions are not necessary to prevent stormwater discharges from causing or contributing to an exceedance of applicable water quality standards.
- d. After **four or more** consecutive exceedances of benchmark values (starting on the effective date of this Permit), the permittee shall develop a CAP and consider implementation of all additional stormwater BMPs outlined in the Stormwater BMPs Checklist (3800-PM-BCW0083I) for the applicable appendix. Failure to submit and implement a CAP and the Stormwater BMPs Checklist constitutes non-compliance with this General Permit.

The permittee shall submit a new CAP and include the Stormwater BMPs Checklist (3800-PM-BCW0083I) to certify that all applicable controls have been considered for implementation within 90 days of the end of the monitoring period for which the fourth or more consecutive exceedance was identified. For each BMP in the checklist that is not implemented, the permittee shall demonstrate one or more of the following:

- i. The BMP is infeasible for the facility;
- ii. The exceedances are solely attributable to natural background sources or to run-on from off-site;
- iii. The exceedances were due to some aberration or extraordinary circumstances; or
- iv. Further pollutant reductions are not necessary to prevent stormwater discharges from causing or contributing to an exceedance of applicable water quality standards.

The permittee shall identify on the Stormwater BMPs Checklist that either the BMPs have been implemented or a reason why they were infeasible or not applicable. The Stormwater BMPs Checklist shall be included with the CAP for each additional consecutive exceedance.

### III. WASTEWATER IMPOUNDMENT CLEANING

- A. The permittee shall submit written notification to the DEP at least three weeks prior to the start of the periodic impoundment cleaning operations. The notification shall include the date and

duration of the basin cleaning operations. In addition, the permittee shall provide documentation that identifies any deviations from the basin cleaning procedures outlined in the facility's PPC Plan.

- B. The monitoring frequency for all parameters shall be daily during the period of dewatering of the sedimentation basins. The parameters with composite sample type shall be a 24-hour composite during dewatering period. Additional measures shall be taken during dewatering of the sedimentation basins to prevent accumulated sediment loss to the stream. The Clean Water Program Operations Section shall be notified at least 48 hours prior to commencement of dewatering of basins.
- C. Monitoring of turbidity during the period of dewatering of sedimentation basins shall be every two hours. The dewatering of the basins shall cease immediately when turbidity in any sample exceeds 100 NTU. A separate detailed monitoring report for this discharge shall be prepared and submitted with the monthly DMR.

**Attachment 1**

**Salt Institute Voluntary Salt Storage Guidelines – Best Management Practices  
and Stormwater Controls**

ARSC will utilize the following Best Management Practices (BMPs) in accordance with guidance from “The Salt Storage Handbook” per previous ARSC commitment. In event of a conflict with the PAG-03 Industrial Category Appendix stormwater BMPs, the more stringent requirement governs.

**A. Dust control/air emissions.**

The facility must meet all applicable government regulatory standards and must take appropriate action to minimize generation of dust and other air emissions.

- i. Control of air emissions must incorporate consideration of such factors as meteorological conditions, salt discharge methods and preventative measures.
- ii. The facility operator must conduct operations in a manner that is sensitive to other industrial, commercial, public and government facilities or residential areas adjacent to or near the salt storage site.
- iii. Dust suppression practices for conveyor discharges including self-unloaders, rail cars, screening stations, transfer points, and other material handling operations are:
  1. Use an elephant trunk or spout when available.
  2. Maintain the minimum feasible vertical distance between the end of the spout or conveyor and the highest point on the ground or stockpile.
  3. Shield or enclose all transfer points on conveyor systems.
- iv. Clamshell, end-loader, truck, bulldozer or other equipment operations.

1. Ensure that crane or other equipment operators lower the clamshell or bucket to the minimum feasible distance from the pile before discharging a load of salt.
- v. Salt spilled by arriving or departing trucks, railcars or other vehicles or vessels must be cleaned up promptly.
- vi. Salt must be loaded into trucks within the designated pad area and loads must not exceed the legal or physical capacity of the trailer or box.
- vii. Truck tailgates must be properly adjusted to avoid spillage and the tailgate apron must be swept clean if there is spillage.
- viii. All trucks must be tarped before leaving the site.
- ix. Roadways must be swept clean to minimize traffic-generated dust.

**B. Noise Control.**

- i. The need to operate must be balanced with the amount of noise generated.
1. All mobile equipment must have mufflers meeting design and manufacturing criteria consistent with intended use and must be in good operating condition.
2. Whenever possible, salt deliveries to the site and shipments to customers should be scheduled during normal working hours.
3. Truck access and routing into and out of the facility should follow a pre-designated route that has least impact on the neighborhood.
4. Back-up alarms should meet regulatory standards.

**C. Covering procedures for stockpiles.**

- i. Distribution stockpiles are covered to ensure high quality of the salt and to prevent precipitation contact and discharge of stormwater runoff from the storage pile. All stockpiles must be covered to prevent precipitation contact except when receiving salt, building the stockpile, or loading out to customers.

- ii. The permittee shall build and cover the rock salt stockpile in a manner that will minimize the time that salt is exposed to precipitation. Delivery and off-loading of salt onto the storage pad shall be expedited to the maximum extent possible. ARSC shall in all good faith make every effort possible to comply with the following:
  - 1. The stockpile shall be built and covered in five stages,
  - 2. While the stockpile is being built at no time shall there be more than one stage uncovered, and
  - 3. Build the pile in a manner so that the total length of exposed material does not exceed 145 feet during Stage 1 and 90 feet thereafter until the pile is completely covered.
- iii. Types of covering include canvas, polyethylene films, fabrics made of synthetic fibers, and combinations of these materials used as complete covering systems.
  - 1. Covering must be appropriate for the size and shape of the stockpile, and for the methods of receiving salt shipments and loading out to customers.
  - 2. To minimize contact with precipitation, the stockpile must be covered in sections or stages as salt is added to the stockpile.
  - 3. Seams must be watertight and resistant to damage in winds up to 69 miles per hour.
  - 4. Cover retention systems must meet selection criteria consistent with intended use and must be installed in accordance with manufacturer's recommendations and operated in a manner that will ensure physical integrity of the cover.
  - 5. Covering must be properly maintained to prevent precipitation from contacting the salt. Tarps shall be inspected each workday for holes or tears and proper placement of ballast. Any deficiencies shall be immediately addressed in order to maintain proper tarp coverage
- iv. Methods of sealing the cover to the stockpile pad.
  - 1. The perimeter of the stockpile cover must be sealed to the pad with ballast to prevent washout of salt from the toe of the stockpile. Ballast must be placed high enough on

the sides of the stockpile to minimize slackness in the cover as salt shifts and flows beneath the cover down to the perimeter of the stockpile.

2. Salt must not be used as ballast because it will dissolve quickly when precipitation runoff from the cover flows to the perimeter of the stockpile.
3. Maintain complete perimeter cover ballast until the stockpile is exhausted.

v. Loading out for shipment.

1. Remove covering at the working face just high enough to load out the day's shipment. This will minimize moisture absorption by the salt and provide security to the cover if the wind direction shifts toward the working face.
2. The working face should be maintained perpendicular to the long axis of the pile by loading alternately left/right and right/left.
3. Avoid creating a horseshoe shaped working face that results from removing the center of the pile and leaving extended edges or aprons.
4. Chunks of salt that form as the crust of the pile breaks up must be crushed and blended into the pile and not allowed to accumulate.
5. Adequate covering material must remain at the lower edge or toe of the working face to permit maximum possible resealing of the edge of the cover when operations are completed for the day. However, care must be taken to avoid damage to covering material caused by cascading salt from the upper section of the working face.
6. The working face must be established and maintained at the downwind end of the stockpile whenever operationally feasible.

**D. Stormwater containment for stockpiles.**

- i. Earthen collection basins must be synthetically lined and holding tanks corrosion-protected to assure continued low permeability.
- ii. Capacity of stormwater containment systems must be based on proper design principles incorporating historical precipitation event records and discharge frequency to assure adequate capacity, and must comply with all regulatory requirements.

**E. Site Maintenance**

- i. The facility must be maintained in a manner that will assure physical integrity consistent with original design criteria.
- 1. Regularly inspect pad, drainage, collection and other systems affecting potential discharge of stormwater runoff from the site.
- 2. Perform preventive maintenance such as periodic resealing of the pad to ensure non-degradation of the low permeability of the pad and base. Expansion joints must be resealed when necessary.
- 3. Take other corrective action as needed to maintain stormwater discharges at levels consistent with best management practices and/or discharge permits.

## Attachment 2

## Reference 2023 IW Stormwater General Permit Appendix K (Salt Piles) BMPs

(may be superseded when PAG-03 statewide permit is renewed)

## A. Surface and Cover.

1. The permittee shall store salt stockpiles and conduct loading/unloading activities on a synthetic, impermeable surface (i.e.,  $< 10^{-7}$  cm/sec).
2. Salt stockpiles must be covered under permanent, structural cover wherever feasible. If stockpiles are not covered under permanent, structural cover, stockpiles must be covered by materials including but not limited to tarpaulin, polyethylene, polyurethane, polypropylene, or hypalon with sufficient strength to prevent tearing. When loading and unloading is not being performed, the entire stockpile must be covered at all times. Upon completion of loading or unloading activities, stockpiles must be recovered as soon as possible.

## B. Material Management.

1. Remove covering at the working face just high enough to load out the day's shipment. This will minimize moisture absorption and secure the cover if wind direction shifts toward the working face.
2. Maintain the working face perpendicular to the long axis of the pile by loading alternately left/right and right/left.
3. Avoid creating a horseshoe-shaped working face that results from removing the center of the pile and leaving extended edges or aprons.
4. Maintain adequate cover at the lower edge or toe of the working face to permit maximum possible resealing of the edge of the cover when operations are completed for the day. Take care to avoid cover damage caused by cascading salt from the upper section of the working face.
5. Establish and maintain the working face at the downwind end of the stockpile whenever operationally feasible.
6. Clean up material spills from loading/unloading areas at the end of the work day.

## C. Stormwater Management

1. Utilize site grading, curbs, or berms to prevent run-on to and direct runoff from salt storage surfaces.

2. If stormwater collection ponds or basins are installed and utilized, such ponds shall contain a synthetic liner and be managed to limit discharges to only those times where surface water flows are elevated.
3. The permittee shall recycle collected stormwater that may have come into contact with salt materials wherever feasible.