pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

December 10, 2014

Mr. Gregory J. Fink
Health and Safety Regional Director
Republic Environmental Systems (Pennsylvania), LLC
2337 North Penn Road
Hatfield, PA 19440

Re: RCRA Part B Permit Renewal
Republic Environmental Systems (Pennsylvania), LLC
Hatfield Township
Montgomery County
Permit ID No. PAD 085 690 592
APS No. 766306, AUTH No. 904575

Dear Mr. Fink:

The Department of Environmental Protection ("DEP") has reviewed the above-referenced application for the 10-year renewal with modification of the RCRA Part B Permit for Republic Environmental Systems (Pennsylvania), LLC ("RESPA"), a commercial hazardous waste storage, treatment, and transfer facility located at 2869 Sandstone Drive in Hatfield Township, Montgomery County.

Based upon the DEP's review, we have determined that you have satisfied all applicable requirements necessary to continue operations at the RESPA facility. Enclosed is the facility's RCRA Hazardous Waste Part B Permit No. PAD 085 690 592 for a new ten-year term including approved modifications. This permit is issued in accordance with Article V of the Solid Waste Management Act, 35 P.S. Sections 6018.101 et seq.

Compliance with the terms and conditions set forth in your permit is mandatory. Please note that issuance of this permit does not eliminate the necessity to comply with all federal, state, or local requirements at the permitted facility. This permit replaces all RCRA Part B permits and modifications issued prior to this permit.

Any person aggrieved by this action may appeal, pursuant to Section 4 of the Environmental Hearing Board Act, 35 P.S. Section 7514, and the Administrative Agency Law, 2 Pa. C.S. Chapter 5A, to the Environmental Hearing Board, Second Floor, Rachel Carson State Office Building, 400 Market Street, P.O. Box 8457, Harrisburg, PA 17105-8457, 717.787.3483. TDD users may contact the Board through the Pennsylvania Relay Service, 800.654.5984. Appeals

must be filed with the Environmental Hearing Board within 30 days of receipt of written notice of this action unless the appropriate statute provides a different time period. Copies of the appeal form and the Board's rules of practice and procedure may be obtained from the Board. The appeal form and the Board's rules of practice and procedure are also available in braille or on audiotape from the Secretary to the Board at 717.787.3483. This paragraph does not, in and of itself, create any right of appeal beyond that permitted by applicable statutes and decisional law.

IF YOU WANT TO CHALLENGE THIS ACTION, YOUR APPEAL MUST REACH THE BOARD WITHIN 30 DAYS. YOU DO NOT NEED A LAWYER TO FILE AN APPEAL WITH THE BOARD.

IMPORTANT LEGAL RIGHTS ARE AT STAKE, HOWEVER, SO YOU SHOULD SHOW THIS DOCUMENT TO A LAWYER AT ONCE. IF YOU CANNOT AFFORD A LAWYER, YOU MAY QUALIFY FOR FREE PRO BONO REPRESENTATION. CALL THE SECRETARY TO THE BOARD (717.787.3483) FOR MORE INFORMATION.

If you have any questions about the enclosed permit or requirements of the Solid Waste Management Act, please contact Dr. Mohamad Mazid, P.E., Chief, Technical Services, at 484.250.5768.

Thank you for your cooperation.

Sincerely,

James Wentzel, P.E.
Regional Manager
Waste Management

Enclosure: Renewal Permit No. PAD 085 690 592
Response to Comments

cc: Hatfield Township (w/enclosures)
Mr. Shaw - Montgomery County Planning Commission (w/enclosures)
Ms. Barbieri - U.S. EPA, Region 3 (w/enclosures)
Re 30 (eh14wm)342

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
PERMIT
FOR HAZARDOUS WASTE STORAGE, TREATMENT, AND DISPOSAL

Permittee: Republic Environmental Systems (Pennsylvania), LLC Permit Number: PAD 085 690 592

Facility: Republic Environmental Systems (Pennsylvania), LLC

2869 Sandstone Drive, Hatfield, PA 19440

This permit is issued by the Commonwealth of Pennsylvania Department of Environmental Protection (DEP) under authority of the Pennsylvania Solid Waste Management Act, the Act of July 7, 1980, Act 97, 35 P.S. Section 6018.101 et seq. (the Act), DEP's hazardous waste regulations, and Federal hazardous waste regulations, to Republic Environmental Systems (Pennsylvania), LLC (hereafter called the Permittee), to continue operations at a hazardous waste management facility located at 2869 Sandstone Drive, Hatfield, PA, in Hatfield Township, Montgomery County, at latitude 40 ° 17 ' 30 " North and longitude -75 ° 17 ' 09 " West.

The Permittee must comply with all terms and conditions of this permit. This permit consists of the conditions contained herein (Parts I–VI and Attachments 1 through 11, consisting of pages 1 through 46) and the applicable regulations contained in 25 Pa. Code Chapters 260a–270a and 40 CFR 260–270 as specified in the permit.

This permit is based on the assumption that the information submitted in the permit renewal application attached to the Permittee's letter dated November 22, 2011; as modified by subsequent amendments dated December 19, 2011; November 2, 2012; June 20, 2013; September 4, 2013; November 8, 2013; May 2, 2014, and October 2, 2014 (hereafter referred to as the application); are accurate and that the facility will be constructed and/or operated as specified in the application. Any inaccuracies found in this information may be grounds for the revocation or modification of this permit and potential enforcement action. The Permittee must inform DEP of any deviation from or changes in the information in the application which would affect the Permittee's ability to comply with the applicable regulations or permit conditions.

This permit is conditioned upon full compliance with all applicable provisions of the Act; DEP's regulations contained in 25 Pa. Code Chapters 260a–270a; Federal regulations contained in 40 CFR Chapters 260–270; the Clean Streams Law, 35 P.S. 691.1 et seq.; the Air Pollution Control Act, 35 P.S. 4001 et seq.; the Dam Safety and Encroachments Act, 32 P.S. 693.1 et seq.; the Surface Mining Conservation and Reclamation Act, 52 P.S. 1396.1 et seq.; the Coal Refuse Disposal Control Act, 52 P.S. 30.51 et seq.; all other Pennsylvania statutes related to the protection of the environment; and all Pennsylvania statutes related to the protection of public health, safety, and welfare.

This permit is effective as of December 10, 2014, and shall remain in effect until December 10, 2024, unless revoked and reissued, or terminated in accordance with 25 Pa. Codes 270a.41, 270a.42, and 270a.43 and 40 CFR 270.41, 270.42, and 270.43, or continued.

PART I - STANDARD CONDITIONS

A. EFFECT OF PERMIT

This permit authorizes only the management of hazardous waste, and residual waste managed as hazardous waste at the facility pursuant to 25 Pa. Code 287.2(i), expressly described in this permit and does not authorize any other management of hazardous or residual waste. Issuance of this permit does not convey property rights of any sort or any exclusive privilege; nor does it authorize any injury to persons or property, any invasion of other private rights, or any infringement of State or local laws or regulations. Compliance with the terms of this permit does not constitute a defense to any action brought under the Act or any other law governing protection of public health or the environment.

B. PERMIT ACTIONS

This permit may be modified, revoked, reissued, and terminated for cause as specified in 25 Pa. Code 270a.41, 270a.42, 270a.43 and 40 CFR 270.41, 270.42, and 270.43 or suspended in accordance with the Act. The filing of a request for a permit modification, revocation, reissuance, revocation, or the notification of planned changes or anticipated noncompliance on the part of the Permittee does not stay or supersede the applicability or enforceability of any permit condition.

C. SEVERABILITY

The provisions of this permit are severable, and if any provision of this permit or the application of any provision of this permit to any circumstance is held to be invalid, the application of such provision to other circumstances and the remaining provisions of this permit shall not be affected thereby.

D. DEFINITIONS

For the purpose of this permit, terms used herein shall have the same meaning as those in Title 25 of the Pennsylvania Code and Title 40 of the Code of Federal Regulations (25 Pa. Code Chapters 260a-270a and 40 CFR 260-270), unless this permit specifically states otherwise; where terms are not otherwise defined, the meaning associated with such terms shall be as defined by a standard dictionary reference or the generally accepted scientific or industrial meaning of the term. "The Department" or "DEP" is the Department of Environmental Protection of the Commonwealth of Pennsylvania.

E. REPORTS, NOTIFICATIONS, AND SUBMISSIONS TO DEP

All reports, notifications, or other submissions which are required by this permit to be sent or given to DEP should be sent certified mail or given to:

The Regional Solid Waste Manager
Department of Environmental Protection
Southeast Regional Office
2 East Main Street
Norristown, PA 19401

F. SIGNATORY REQUIREMENTS

All reports or other information requested by DEP shall be signed and certified as required by 40 CFR 270.11.

G. DOCUMENTS TO BE MAINTAINED AT THE FACILITY SITE

The Permittee shall maintain at the facility, until closure is completed and certified by an independent registered Professional Engineer, the following documents and amendments, revisions, and modifications to these documents:

1. Waste Analysis Plan required by 40 CFR 264.13 and 25 Pa. Code 264a.13 and this permit.

2. Personnel training documents and records required by 40 CFR 264.16(d) and this permit.

3. Contingency plan required by 40 CFR 264.53(a) and this permit.

4. Closure and post-closure plan(s) required by 40 CFR 264.112(a) and (b) and 40 CFR 264.118(a) and (b) and this permit.

5. Annually-adjusted cost estimate(s) for facility closure required by 40 CFR 264.142 and this permit.

6. Operating record required by 40 CFR 264.73 and Part II, Section H.1 of this permit.

7. Inspection schedules and logs required by 40 CFR 264.15(b)(2) and this permit.

8. Any other documents required by Part I and Part II of this permit, unless other record retention time frames are specified for those other documents.

H. DUTIES AND REQUIREMENTS

1. Duty to Comply. The Permittee shall comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the Act and the regulations promulgated thereunder and is grounds for enforcement action; for permit revocation, termination, reissuance, or modification; or for denial of a permit renewal application.

2. 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 submit a complete application for a new permit at least 180 days before this permit expires.

3. Permit Expiration. This permit and all conditions therein will remain in effect beyond the permit's expiration date if the Permittee has submitted a timely, complete application and through no fault of the Permittee, DEP has not issued a new permit.

4. Need to Halt or Reduce Activity Not a Defense. It shall not be a defense for the Permittee in an enforcement action to argue that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

5. Duty to Mitigate. In the event of noncompliance with the Act, the regulations, or this permit, the Permittee shall take all necessary steps to prevent and abate any releases to the environment, and shall carry out such measures as are necessary to prevent significant adverse impacts on human health or the environment.

6. Proper Operation and Maintenance. The Permittee shall at all times properly operate and maintain all facilities and systems of storage, treatment, and control (and related appurtenances) which are installed or used by the Permittee to achieve compliance with the Act, the regulations, and the conditions of this permit. Proper operation and maintenance shall include effective performance, adequate funding, adequate operator staffing, training, and adequate laboratory and process controls, including appropriate quality assurance procedures. The Permittee shall operate back-up or auxiliary facilities or similar systems if necessary to achieve compliance with the Act, the regulations, and the conditions of the permit.

7. Duty to Provide Information. The Permittee shall furnish to DEP within a reasonable time, any relevant 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. The Permittee shall also furnish to DEP, upon request, copies of records required to be kept by the Permittee pursuant to the Act, the regulations, or any permit condition.

8. Inspection and Entry. The Permittee shall allow DEP, its agents and authorized representatives, upon the presentation of credentials and other documents as may be required by law, or without advance notice or a search warrant, to:

   a. Enter at reasonable times upon the Permittee's premises where a regulated facility or activity is located or conducted, or where records concerning the regulated facility or activity are kept.

   b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit.

   c. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under the Act, the regulations, or this permit.

   d. Sample or monitor any substances or parameters at any location for the purposes of assuring permit compliance or as otherwise authorized by the Act or the regulations.

   e. Engage in any other activities necessary or appropriate to the documentation of events or conditions at any locations.

9. Monitoring and Records.

   a. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity. The method used to obtain a representative sample of the waste to be analyzed must be the appropriate method from Appendix I of 40 CFR Part 261 - Criteria, Identification, and Listing of Hazardous Waste or an equivalent method approved by DEP. Laboratory methods must be those specified in Appendix III of 40 CFR Part 261; Test Methods for Evaluating Solid Waste: Physical/Chemical Methods (U.S. EPA Document SW-846, most recent edition); Standard Methods of Waste Water Analysis (U.S. EPA; 15th ed.; 1980); or an equivalent method approved by DEP and as specified in the attached waste analysis plan.

   b. The Permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports and records required by the Act, the regulations, or this permit, and all records of all data used to complete the application for this permit for a period of at least 3 years from the date of the sample, measurement, report or record, or application. These periods may be extended by request of DEP at any time and are automatically extended during the course of any unresolved enforcement action regarding this facility.

c. The Permittee shall maintain records of all groundwater quality and groundwater surface elevations for the active life of the facility and during any post-closure care period that may be required.

d. The Permittee shall, at a minimum, keep monitoring records which include the following information:

(1) The dates, exact place, and times of sampling or measurements.
(2) The individuals who performed the sampling or measurements.
(3) The dates analyses were performed.
(4) The individuals who performed the analyses.
(5) The analytical techniques or methods used.
(6) The results of such analyses.

10. Reporting Planned Changes. The Permittee shall give notice to DEP as soon as possible of any planned physical alterations or additions to the permitted facility. This notice must include a description of all incidents of noncompliance reasonably expected to result from the proposed changes. The Permittee shall not modify the facility without first obtaining a permit from DEP.

11. Anticipated Noncompliance. The Permittee shall give advance notice to DEP of any planned changes in the permitted facility or activity, which may result in noncompliance with permit requirements.

12. Transfer of Permits. This permit shall not be transferred or assigned to any other person or municipality.

13. Twenty-Four Hour Reporting. The Permittee shall report to DEP any noncompliance with the Act, the regulations, or any condition of this permit or any occurrence or event at the facility, which may endanger health or the environment.

a. Information shall be provided orally within twenty-four (24) hours from the time the Permittee becomes aware of the circumstances. This report shall include the following:

(1) Information concerning release or potential release of any hazardous waste from the facility that may endanger public drinking water supply sources.
(2) Any information of a release, potential release, or discharge of hazardous waste from the facility, or information of a potential or actual fire or explosion at the facility, which may threaten the environment or human health.

b. The description of the occurrence and its cause shall include:

(1) Name, address, and telephone number of the owner or operator.
(2) Name, address, and telephone number of the facility.
(3) Date, time, and type of incident.
(4) Name and quantity of material(s) involved.
(5) The extent of injuries, if any.
(6) An assessment of actual or potential hazards to the environment and human health at or near the facility.
(7) Estimated quantity and disposition of recovered material that resulted from the incident.

c. A written submission shall also be provided to DEP within five (5) days of the time the Permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance (including exact dates and times); 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. The Permittee need not comply with the five (5) day written notice requirement if DEP extends it to fifteen (15) days.

14. Other Noncompliance. The Permittee shall report to DEP all other instances of noncompliance not otherwise required to be reported above, at the time monitoring reports are submitted. The reports shall contain the information listed in Part I, Condition H.13.

15. Other Information. Whenever the Permittee becomes aware that it failed to submit any relevant facts in the permit application, or submitted incorrect information in a permit application or in any report to DEP, or whenever the Permittee becomes aware of circumstances which require a modification or clarification of any fact or representation made to DEP in connection with a permit application, it shall promptly submit such facts or information to DEP.

I. CERTIFICATION OF CONSTRUCTION OR MODIFICATION

The Permittee may not change hazardous waste operations at the facility until:

1. The Permittee has submitted to DEP by certified mail or hand delivery a letter signed by the Permittee and a registered professional engineer stating that the facility has been constructed or modified in compliance with the permit; and

2a. DEP has inspected the modified or newly constructed facility and finds it is in compliance with the conditions of the permit; or

2b. DEP has either waived the inspection or has not within fifteen (15) days notified the Permittee of its intent to inspect.

PART II - GENERAL FACILITY CONDITIONS

A. DESIGN AND OPERATION OF FACILITY

The Permittee shall maintain and operate the facility to minimize the possibility of a fire, explosion, or release of hazardous waste or hazardous waste constituents to air, soil, surface water, or groundwater which could threaten human health or the environment.

B. GENERAL WASTE ANALYSIS

The Permittee shall follow the procedures described in the attached waste analysis plan, Attachment 1. The Permittee shall verify its waste analysis as part of its quality assurance program, in accordance with current U.S. EPA practices (Test Methods for Evaluating Solid Waste: Physical/Chemical Methods SW-846, most recent edition) or equivalent methods approved by DEP in accordance with procedures in 40 CFR 260.21; and at a minimum maintain proper functional instruments, use approved sampling and analytical methods, verify the validity of sampling and analytical procedures, and perform correct calculations.

1. Hazardous and Residual Waste Acceptance Procedures Pursuant to 40 CFR 264.13 and 25 Pa. Code 287.132.

    a. Except as may be authorized by Part II.B.1.c or II.B.2, the permittee must submit a waste processing request (Form U) and source reduction strategy (Form 25R) for each individual large quantity residual waste generator, or a request for approval to treat, store, or dispose of a specific hazardous waste stream from a specific generator (Module 1), to DEP prior to acceptance of waste. Proof of submission to DEP shall be a dated, certified mail return receipt card; a signed, dated, acceptance receipt for hand delivered requests; a signed, dated receipt for overnight mail/federal express deliveries; or some alternative method that has been approved in writing by DEP. Waste indicated on Form U or Module 1 may be accepted for processing by the Permittee upon the earlier of receipt of DEP approval or after 15 DEP calendar days. If at any time after the 15 working day period it is determined by DEP that the waste accepted is not consistent with the waste analysis and classification plan, the design of the facility, or the waste reduction strategy, the Permittee shall be notified and acceptance of this waste may also be subjected to any and all applicable enforcement actions under the Solid Waste Management Act and the Rules and Regulations promulgated thereunder.

    b. All Form U, Module 1, and generic waste acceptance notification submissions, except those covered by PART II.B.1.c, must be sent to the host municipality and host county at the same time they are submitted to DEP.

c. For residual waste generators and hazardous waste generators, other than large quantity generators, a Form U, Module 1, or a generic waste acceptance notification must be completed and is to be kept on file prior to acceptance of the waste.

d. The Permittee shall submit quarterly reports by April 20, July 20, October 20, and January 20 to DEP's Southeast Regional Office. These reports shall list all hazardous and residual wastes accepted for storage, consolidation, treatment, and transfer. The report shall include the information by generator including the waste type, approved quantity, quantity accepted, generator identification number, and the identification number for each Form U or Module 1 submission or generic waste acceptance notification for all waste accepted at the facility during the quarter covered by the report. The report must include the anniversary acceptance date for each generator of residual waste. This information is also to be incorporated into the operating record required in PART II.H.1. Reports may be submitted in an electronic format acceptable to DEP.

e. The annual analysis report (Form 26R) for each residual waste generator, from which waste is accepted pursuant to PART II.B.1.a, is to be kept on file at the facility. This is due at the facility from the generator one year after DEP receives the Form U submission and each year thereafter. For small quantity residual waste generators, analysis data and/or certification pertaining to hazardous determination criteria is to be kept on file. The waste cannot be accepted if the Permittee does not have an annual submission of Form 26R from large quantity generators or annual analytical data from small quantity generators.

f. All Form U and Module 1 documents and generic waste acceptance notifications must be kept on file and each assigned a sequential identification number which is to be recorded on all forms submitted to DEP.

g. No residual waste is to be accepted from any generator or treatment facility that is bulking or mixing different categories of residual waste unless such facility is permitted by DEP or other state environmental protection agency for this purpose.

h. All residual wastes from generators submitting a Form U document or a generic waste acceptance notification must be consistent with the requirements stated in the currently approved waste analysis plan.

i. The Permittee shall not accept any waste whose chemical constituents are not included in, or are in excess of maximum acceptance concentrations delineated in, the waste analysis plan unless a permit amendment application modifying the waste analysis plan is submitted and approved by DEP.

2. Generic Waste Acceptance Procedures Pursuant to 25 Pa. Code 264a.13 and 287.2(i).

a. For certain pre-approved waste categories as listed below, the Permittee may implement a generic waste approval notification process in place of the process required pursuant to PART II.B.1.a.:

(1) **Mixed Acid Liquids Accepted for Treatment** – D002, D004, D005, D006, D007, D008, D009, D010, D011, F006, and K062.

(2) **Mixed Alkaline Liquids Accepted for Treatment** – D002, D004, D005, D006, D007, D008, D009, D010, D011, F006, F007, F008, and K062.

(3) **Mixed Neutral Solutions with Heavy Metals Accepted for Treatment** – D004, D005, D006, D007, D008, D009, D010, D011, F006, F007, F008, and K062.

(4) **Heavy Metal Contaminated Soils/Solids Accepted for Treatment** – D004, D005, D006, D007, D008, D009, D010, and D011.

(5) **Residual Wastes for Management in Containers and Tanks Pursuant to PART III and IV of the Permit** – residual wastes from the approved list in Table III-2 as contained in PART III of this permit.

(6) **Residual Wastes for Management in the Sludge Vault Pursuant to PART V of the Permit** – residual wastes types as listed in PART V.A.2.

(7) **Hazardous Wastes for Management in Containers and Tanks Pursuant to PART III and IV of the Permit** – liquid hazardous wastes from the approved list in Table III-1 of this permit.

(8) **Hazardous Wastes for Management in the Sludge Vault Pursuant to PART V of the Permit** – solid hazardous wastes from the approved list in Table III-1 of this permit.

(9) **Lab Pack Waste Accepted for Storage, Consolidation and/or Transfer** – lab pack waste consisting of hazardous wastes from the approved list in Table III-1 and residual wastes from the approved list in Table III-2, as contained in PART III of this permit. This category does not include treatment of lab pack waste.

b. Prior to accepting a specific waste (from the pre-approved categories above) from a specific generator for the first time, notification shall be sent to DEP. The Permittee shall document confirmation of delivery of the notification by the use of certified mail return receipts, dated receipts for hand deliveries, or some alternative method that has been approved in writing by DEP. When a facsimile notification is used, the Permittee shall mail an original notification to DEP within twenty-four hours and confirm delivery by one of the methods noted above.

c. Notification submittals shall consist of the following:

(1) For the pre-approved categories identified in PART II.B.2.a.1 through PART II.B.2.a.9 from large quantity generators, the notification submittal shall follow the Permittee's approved Generic Category Waste Approval Notification Procedure, which calls for the submittal of separate notifications forms for residual and hazardous waste that shall be specific for each generator and that shall contain the following information: generator information, unique reference number, type of waste (residual or hazardous), description of waste, waste code, treatment category, quantity, and frequency of acceptance. This notification procedure will also include a "packaged laboratory chemicals" category on the notification form(s), if any, for the generator in lieu of submitting a separate notification form(s) with packing list for each lab pack container.

(2) For the pre-approved categories identified in PART II.B.2.a.1 through PART II.B.2.a.9 from other than large quantity generators, the requirements of PARTs II.B.1.c and II.B.1.d, as incorporated by PART II.B.2.e, shall satisfy the notification submittal requirements of PARTs II.B.2.b and II.B.2.d, and notification prior to acceptance of waste is waived.

d. The Permittee shall provide notification to DEP prior to the acceptance of waste under this generic waste approval notification process. In cases where additional treatment beyond the standard treatment methods contained in the waste analysis plan is required, the Permittee shall supply the additional treatment methodology as part of its notification to DEP and shall not process the waste until approved by DEP to do so. Acceptance of wastes not meeting the requirements of the approved generic waste acceptance procedures shall be conducted in accordance with the procedures outlined in PART II.B.1.a.

e. For those wastes accepted pursuant to PART II.B.2.a-d in place of PART II.B.1.a, the Permittee shall also abide by the requirements of PARTs II.B.1.b – d and PARTs II.B.1.f–i. for each generic waste acceptance notification.

f. If at any time after receipt of the generic waste acceptance notification it is determined by DEP that the waste accepted is not consistent with the waste analysis and classification plan, the design of the facility, or the waste reduction strategy, the Permittee shall be notified and acceptance of this waste may also be subjected to any and all applicable enforcement actions under the Solid Waste Management Act and the Rules and Regulations promulgated thereunder.

3. All solid or aqueous residual waste from existing generators, or solid or aqueous residual waste from new generators, shall only be accepted pursuant to the provisions of Part II.B.1.a or II.B.2.

C. SECURITY

The Permittee shall comply with the security provisions of 40 CFR 264.14(b) and (c).

D. GENERAL INSPECTION REQUIREMENTS

The Permittee shall follow the inspection plan set out in the inspection schedule, Attachment 2. The Permittee shall remedy any deterioration or malfunction discovered by an inspection as required by 40 CFR 264.15(c). Records of inspections shall be kept as required by 40 CFR 264.15(d).

E. PERSONNEL TRAINING

The Permittee shall conduct personnel training as required by 40 CFR 264.16. This training program shall follow the attached outline, Attachment 3. The Permittee shall maintain training documents and records as required by 40 CFR 264.16(d) and (e).

F. PREPAREDNESS AND PREVENTION

1. Required Equipment. At a minimum, the Permittee shall equip the facility with the equipment set forth in the PPC Plan, Attachment 4, as required by 40 CFR 264.32.

2. Testing and Maintenance of Equipment. The Permittee shall test and maintain the equipment specified in the previous permit condition and in Attachment 4 as necessary to assure its proper operation in time of emergency.

3. Access to Communications or Alarm System. The Permittee shall maintain access to the communications or alarm system as required by 40 CFR 264.34.

4. Required Aisle Space. At a minimum, the Permittee shall maintain aisle space as required by 40 CFR 264.35 and 25 Pa. Code 264a.173 and as shown on the plans and specifications, Attachment 5.

5. Arrangements with Local Authorities. The Permittee shall maintain arrangements with state and local authorities as required by 40 CFR 264.37. If state or local officials refuse to enter into or renew existing preparedness and prevention arrangements with the Permittee, the Permittee must document this refusal in the operating record.

G. PREPAREDNESS, PREVENTION, AND CONTINGENCY (PPC) PLAN

1. Implementation of PPC Plan. The Permittee shall immediately carry out the provisions of the PPC Plan, Attachment 4, and follow the emergency procedures described by 25 Pa. Code 264a.56 and 40 CFR 264.56 (a)–(i) whenever there is a fire, explosion, emission, or discharge of hazardous waste or hazardous waste constituents which could threaten human health or the environment.

2. Copies of Plan. The Permittee shall comply with the requirements of 40 CFR 264.53.

3. Amendments to Plan. The Permittee shall review and immediately amend, if necessary, the PPC Plan, as required by 40 CFR 264.54.

4. Emergency Coordinator. The Permittee shall comply with the requirements of 40 CFR 264.55.

5. Emergency Procedures. The Permittee shall comply with the requirements of 25 Pa. Code 264a.56 and 40 CFR 264.56(a-i).

H. RECORDKEEPING AND REPORTING

1. Operating Record. The Permittee shall maintain a written operating record at the facility in accordance with 40 CFR 264.73.

2. Biennial Report. The Permittee shall comply with all applicable biennial facility report requirements 25 Pa. Code Section 264a.75 and 40 CFR 264.75.

3. Required Reports. The Permittee shall comply with all applicable reporting requirements as described in Part I and Part II Sections of this permit.

I. CLOSURE

1. Performance Standard. The Permittee shall close the facility as required by 40 CFR 264.111, 264.178, and in accordance with the Closure Plan, Attachment 6.

2. Amendment to Closure Plan. The Permittee shall amend the Closure Plan in accordance with 40 CFR 264.112(c) whenever necessary.

3. Notification of Closure. The Permittee shall notify DEP in writing at least 180 days prior to the date he expects the final volume of waste.

4. Time Allowed for Closure. After receiving the final volume of hazardous waste, the Permittee shall remove from the site all hazardous waste and shall complete closure activities in accordance with the schedules specified in the Closure Plan, Attachment 6.

5. Disposal or Decontamination of Equipment. The Permittee shall decontaminate and/or dispose of all facility equipment and structures as required by 40 CFR 264.114 and the Closure Plan Attachment 6.

6. Certification of Closure. The Permittee shall certify that the facility has been closed in accordance with the specifications in the Closure Plan as required by 25 Pa. Code 264a.115 and 40 CFR 264.115.

J. COST ESTIMATE FOR FACILITY CLOSURE AND POST-CLOSURE CARE

1. Annual Adjustment. The Permittee shall adjust the closure and post-closure cost estimate for inflation within 30 days after each anniversary of the date on which the first cost estimate was made as required by 40 CFR 264.142(b).

2. Adjustment for Changed Conditions. The Permittee shall revise the cost estimate whenever there is a change in the facility's closure and/or post-closure plan or in the measures necessary to prevent adverse effects upon the environment as required by 40 CFR 264.142(c).

3. Availability. The Permittee must keep at the facility the latest cost estimate as required by 40 CFR 264.142(d).

4. Incapacity of Permittee or Financial Institutions. The Permittee shall comply with 25 Pa. Code 264a.148 and 40 CFR 264.148 whenever necessary.

K. BONDING REQUIREMENT

The Permittee shall maintain the bond, submitted to and approved by DEP as required by 25 Pa. Code. 264a.153. The Permittee shall comply with all applicable bond replacement requirements of 25 Pa. Code 264a.158.

L. LIABILITY INSURANCE

The Permittee shall comply with the liability insurance requirements of 25 Pa. Code 264a.147 and the documentation requirements of 40 CFR 264.147(a) and (b). These include the requirements to have and maintain liability coverage for sudden accidental occurrences in the amount of at least $1 million per occurrence with an annual aggregate of at least $2 million, exclusive of legal defense costs. The Permittee shall submit new certificates of liability insurance 60 days prior to the expiration of the current certificate.

M. REQUIRED NOTICES

1. Notice to DEP. The Permittee shall notify DEP in writing at least four (4) weeks in advance of the date the Permittee expects to receive hazardous waste from a foreign source. Notice of subsequent shipments of the same waste from the same foreign source is not required.

2. Notice to Generator. When the Permittee plans to receive hazardous waste from an off-site source (except where the Permittee is also the generator), he must inform the generator in writing that he has the appropriate permits for, and will accept, the waste the generator is shipping. The Permittee must keep a copy of this written notice as part of the operating record. (See PART II.H.1).

N. GENERAL REQUIREMENTS FOR IGNITABLE, REACTIVE, OR INCOMPATIBLE WASTE

The Permittee shall comply with the requirements of 40 CFR 264.17.

O. MANIFEST SYSTEM

The Permittee shall comply with the manifest requirements of 25 Pa. Code 264a.71 and 40 CFR 264.70-264.72 and 264.76.

P. BUFFER ZONE

The Permittee shall establish and maintain a buffer zone of 50 feet between the property line and the permitted facility within which no solid waste treatment, storage, or disposal activities shall occur, except as otherwise specifically approved in this permit.

Q. POST-CLOSURE

1. Monitoring and Maintenance. The Permittee shall monitor and maintain the facility as required by 40 CFR 264.117(d); 40 CFR 264.118(a) and (b); 40 CFR 264.280(c); and 40 CFR 264.310(b) in accordance with the post-closure plan, Attachment 6.

2. Amendment to Post-Closure Plan. The Permittee shall amend the post-closure plan in accordance with 40 CFR 264.118(a) and (d) whenever necessary.

R. OTHER FACILITY REQUIREMENTS

1. Except as authorized pursuant to PART III.D.3.b, all containers, lab pack, bulk solids, and bulk liquids unloading and loading operations shall be conducted within the authorized areas identified below and shown on Drawing Nos. 21 (SCS-PP) and 24 (CB1):

   a. Covered Loading Docks Nos. 1 and 2.

   b. Truck pit.

   c. Containment Building.

2. All container, lab pack, bulk solids, and bulk liquids storage shall be conducted within the container, tank, or containment building storage areas identified in Parts III, IV, and V of this permit. No outside storage of waste or containers, including empty and unusable containers, is authorized except for temporary staging of waste for the purposes and durations described in PART III.D.3 and temporary staging of empty, reusable containers as shown on Drawings 24 (CB1) and 39 (FTF).

3. Facility storage capacity is limited to those capacities contained in PART III.D for containerized waste, PART IV.A for bulk liquid waste, and PART V.I for bulk solid waste.

4. Processing of drums or containers is limited to the following:

   a. Operation of a manually operated, metal-drum crusher in the lab pack area.

   b. Operation of a manually operated, polyethylene-container cutting unit in the truck pit and/or containment building areas.

5. Except or unless as otherwise constrained by available on-site facility waste storage capacity, the facility is limited to the acceptance of no more than 30 waste delivery vehicles per day (tankers, roll-offs, dump trucks/trailers, and/or box/flat-bed trailers). DEP may reduce this acceptance limitation if the type, number or frequency of waste delivery vehicles is found to present harm, or a threat of harm, to public health, safety, or welfare. The Permittee shall conduct a transportation impact study, consistent with PennDOT guidelines, to evaluate the then current and projected impact of facility operations on public safety and traffic congestion to support any request to increase this facility waste acceptance limitation.

6. Documentation demonstrating compliance with PART II.R.5, regarding the number and type of waste delivery vehicle accepted, shall be placed in the operating record (PART II.H.1).

PART III - STORAGE IN CONTAINERS

A. WASTE IDENTIFICATION

The Permittee may store the following wastes in containers at the facility, subject to the terms of this permit.

Table III-1 lists the RCRA Hazardous Waste Code Numbers, Chemical Abstract Service (CAS) Numbers of all the hazardous wastes permitted to be stored and managed at the designated storage areas at the facility. The code numbers and source description of the hazardous wastes are listed in 40 CFR, Subpart D, Sections 261.31, 261.32, and 261.33.

TABLE III-1 – Approved Hazardous Waste Codes

CHARACTERISTIC HAZARDOUS WASTES

D001	D008	D015	D022	D029	D036	D043
D002	D009	D016	D023	D030	D037	
D003	D010	D017	D024	D031	D038	
D004	D011	D018	D025	D032	D039	
D005	D012	D019	D026	D033	D040	
D006	D013	D020	D027	D034	D041	
D007	D014	D021	D028	D035	D042	

HAZARDOUS WASTES FROM NONSPECIFIC SOURCES

F001	F005	F009	F019	F023	F027	F035
F002	F006	F010	F020	F024	F028	F037
F003	F007	F011	F021	F025	F032	F038
F004	F008	F012	F022	F026	F034	F039

HAZARDOUS WASTES FROM SPECIFIC SOURCES

K001	K017	K032	K047	K086	K106	K157
K002	K018	K033	K048	K087	K111	K158
K003	K019	K034	K049	K088	K112	K159
K004	K020	K035	K050	K093	K113	K160
K005	K021	K036	K051	K094	K114	K161
K006	K022	K037	K052	K095	K115	K169
K007	K023	K038	K060	K096	K116	K170
K008	K024	K039	K061	K097	K117	K171
K009	K025	K040	K062	K098	K118	K172
K010	K026	K041	K069	K100	K123	
K011	K027	K042	K071	K101	K124	
K013	K028	K043	K073	K102	K125	
K014	K029	K044	K083	K103	K126	
K015	K030	K045	K084	K104	K136	
K016	K031	K046	K085	K105	K156	

ACUTE HAZARDOUS WASTES

P001	P022	P045	P065	P085	P105	P128
P002	P023	P046	P066	P086	P106	P185
P003	P024	P047	P067	P087	P107	P188
P004	P026	P048	P068	P088	P108	P189
P005	P027	P049	P069	P089	P109	P190
P006	P028	P050	P070	P090	P110	P191
P007	P029	P051	P071	P091	P111	P192
P008	P030	P052	P072	P092	P112	P194
P009	P031	P053	P073	P093	P113	P196
P010	P033	P054	P074	P094	P114	P197
P011	P034	P055	P075	P095	P115	P198
P012	P036	P056	P076	P096	P116	P199
P013	P037	P057	P077	P097	P117	P201
P014	P038	P058	P078	P098	P118	P202
P015	P039	P059	P079	P099	P119	P203
P016	P040	P060	P080	P100	P120	P204
P017	P041	P061	P081	P101	P121	P205
P018	P042	P062	P082	P102	P122	
P020	P043	P063	P083	P103	P123	
P021	P044	P064	P084	P104	P127	

TOXIC HAZARDOUS WASTES

U001	U026	U051	U076	U101	U126	U150
U002	U027	U052	U077	U102	U127	U151
U003	U028	U053	U078	U103	U128	U152
U004	U029	U055	U079	U105	U129	U153
U005	U030	U056	U080	U106	U130	U154
U006	U031	U057	U081	U107	U131	U155
U007	U032	U058	U082	U108	U132	U156
U008	U033	U059	U083	U109	U133	U157
U009	U034	U060	U084	U110	U134	U158
U010	U035	U061	U085	U111	U135	U159
U011	U036	U062	U086	U112	U136	U160
U012	U037	U063	U087	U113	U137	U161
U014	U038	U064	U088	U114	U138	U162
U015	U039	U065	U089	U115	U139	U163
U016	U041	U066	U090	U116	U140	U164
U017	U042	U067	U091	U117	U141	U165
U018	U043	U068	U092	U118	U142	U166
U019	U044	U069	U093	U119	U143	U167
U020	U045	U070	U094	U120	U144	U168
U021	U046	U071	U095	U121	U145	U169
U022	U047	U072	U096	U122	U146	U170
U023	U048	U073	U097	U123	U147	U171
U024	U049	U074	U098	U124	U148	U172
U025	U050	U075	U099	U125	U149	U173
U174	U191	U211	U230	U249	U377	U396
U175	U192	U212	U231	U271	U378	U400
U176	U193	U213	U232	U277	U379	U401
U177	U194	U214	U233	U278	U381	U402
U178	U196	U215	U234	U279	U382	U403
U179	U197	U216	U235	U280	U383	U404
U180	U200	U217	U236	U328	U384	U407
U181	U201	U218	U237	U353	U385	U408
U182	U202	U219	U238	U359	U386	U409
U183	U203	U220	U239	U364	U387	U410
U184	U204	U221	U240	U365	U389	U411
U185	U205	U222	U242	U366	U390	
U186	U206	U223	U243	U367	U391	
U187	U207	U225	U244	U372	U392	
U188	U208	U226	U246	U373	U393	
U189	U209	U227	U247	U375	U394	
U190	U210	U228	U248	U376	U395	

Table III-2 lists the Approved Residual Waste Codes permitted to be stored and managed at the designated storage areas at the facility. While at the facility, residual waste shall be managed as a hazardous waste pursuant to 25 Pa. Code 287.2(i)

TABLE III-2 – Approved Residual Waste Codes

Residual Waste Code	Waste Category
000	**Combustion Residues**
001	Coal-derived bottom ash
002	Coal-derived fly ash
003	Flue gas desulfurization residue (FGD)
004	Incinerator bottom ash
005	Incinerator fly ash
006	Incinerator mixed ash
007	Other ash
100	**Metallurgical Process Residues**
101	Foundry sand
102	Slag
103	Refractory material
104	Grindings, shavings
105	Ferrous baghouse dust
106	Nonferrous baghouse dust
107	Ferrous scrap, including auto recycle
108	Nonferrous scrap
109	Sandblast abrasive and residue
110	Air emission control dust
111	Lubricating soap solids
112	Mill scales, heat treat scales
113	Dross, skims
200	**Sludges, Scales**
201	Water treatment sludge
203	Industrial wastewater treatment sludge, including acid mine drainage sludge
204	Metallurgical sludges/solids
205	Food processing sludge
206	Paint, coating sludge, and scale
207	Tank bottoms
208	Still bottoms
209	Oily sludge, petroleum-derived, grease
210	Emission control sludge
211	Other industrial sludge
212	Lime/cement kiln scale residue
213	Lime stabilization spent pickle liquor solids
214	Cooling tower sediments/sludge

Residual Waste Code	Waste Category
300	**Chemical Wastes**
301	Acidic chemical solids (pH 2-6)
302	Basic chemical solids (pH 8-12.5)
303	Combustible chemicals (flash point >140F)
304	Chemical salts
305	Carbon residues
306	Surface coatings (e.g., solid paints, polishes, adhesives, inks, etc.)
307	Filter media/aids (e.g., diatomaceous earth, etc.)
308	Spent dyes, starches, wax
310	Detergents, cleaning agents, soap solids
311	Off-specification products, intermediates
312	Pharmaceutical wastes
313	Wax, paraffin
314	Alcohols (nonhazardous)
315	Solvents (nonaqueous)
316	Solvents (aqueous)
317	Glycols/Antifreeze, machine coolants
318	Photographic chemicals
320	Spent plating baths
399	Other chemical wastes
400	**Generic Manufacturing or Production Wastes**
401	Leather wastes
402	Rubber, elastomer wastes
403	Wood wastes, (scrap lumber, pallets, particle board)
404	Paper, cardboard wastes (contaminated)
405	Textile waste, (yarn, fabric, elastic, fiber)
406	Glass waste (cullet)
407	Polyethylene, polystyrene, polyurethane, other non-halogenated plastics
408	Glass reinforced plastic
409	PVC, Teflon, CPE, other halogenated plastics
410	Electronic component wastes
411	Agricultural wastes (fertilizers, pesticides, feed supplements)
412	Photographic waste solids
413	Asphalt (bituminous)
414	Ceramic wastes
415	Linoleum waste
416	Thermal insulation wastes (cellulose, glass, wool)
417	Wiring, conduit, electrical insulation
418	Sawdust, wood shavings/turnings
419	Containers (uncontaminated)
420	Process wastewater

Residual Waste Code	Waste Category
421	Contaminated noncontact cooling water
422	Oil/water emulsions, oily wastewater
423	Landfill leachate
430	Food waste (excluding wastewater treatment sludge)
440	Resins
450	Polymer solids
460	Vinyl (sheet, upholstery)
470	Spent filters – air/gas
471	Spent filters – aquatic
472	Spent filters – oil/solvent
473	Paint filters, other cloth/paper filters, supersacs
474	Grease
480	Refractory (furnace, boiler, other than 103)
481	Carbon/graphite residue/scrap
482	Baghouse dust (other than 105, 106)
483	Blasting abrasive/residue (other than 109)
484	Gypsum plaster molds
499	Other generic waste
500	**Special Handling Residues**
501	Asbestos-containing waste (insulation, brake linings)
502	PCB-containing waste (PCB < 50 ppm)
503	Oil-contaminated waste (soils, spent absorbent, oily rags)
504	Paints (liquid or solidified/hardened)
505	Spent catalysts
506	Spill residues
507	Nonvirgin petroleum fuel contaminated soil and debris
508	Virgin petroleum fuel contaminated soil and debris
509	Waste oil, sludges/solids
510	Waste Tires
700	**Industrial Equipment, Scrap**
701	Pumping, piping, vessels, instruments, storage tanks (contaminated)
702	Scrap (from maintenance and product turnaround)
703	Batteries (nonhazardous, all types)
704	Grinding wheels
710	Plant trash
799	Other maintenance materials
800	**Non-Coal Mining, Oil & Gas and Well Drilling Wastes**
801	Drilling fluids, residuals (other than those under 802 through 810)

Residual Waste Code	Waste Category
900	**Miscellaneous**
902	Nonhazardous residue from treatment of hazardous wastes (other than 203)
999	Other - Personal protective equipment waste; Car/truck wash water grit/sludge; and, Fluorescent light tubes/bulbs

B. DURATION OF STORAGE

The Permittee shall not store containers of hazardous or residual waste at this facility in excess of one year.

C. CONDITION OF CONTAINERS

If a container holding hazardous or residual waste is not in good condition (e.g., severe rusting, apparent structural defects) or if it begins to leak, the Permittee shall transfer the waste from such container to a container that is in good condition or otherwise manage the waste in compliance with the conditions of this permit.

D. PLACEMENT REQUIREMENTS

The Permittee shall store all hazardous and residual waste containers in accordance with the following volume, content, and location requirements as shown in Drawing Numbers 22 (CDL-EX), 23 (CDL-PP), 24 (CB1), and Container Management Plan, Attachment 5, for location and configuration layout details:

1. Existing (pre-modification) Container Storage Areas, effective upon issuance of this permit as shown in Drawing 22 (CDL-EX):

   a. Container Storage/Processing Area "A" - Acid Corrosives and Other Compatible Waste

      (1) Maximum volume of waste allowed - 15,840 gallons.

      (2) Maximum number of containers allowed - 288 (55 gallon drums or equivalent), in four rows with each row two drums wide and stacked three high.

      (3) This area may be used to store those wastes from the approved lists in Table III-1 and III-2 that are classified as "acid waste".

b. Container Storage/Processing Area "B" – Alkaline (basic) Corrosives and Other Compatible Waste

(1) Maximum volume of waste allowed – 10,120 gallons.

(2) Maximum number of containers allowed - 184 (55 gallon drums or equivalent), in two rows with each row two drums wide and stacked three high, two rows with each row two drums wide and stacked two high and four rows with stacked three high.

(3) This area may be used to store those wastes from the approved lists in Table III-1 and III-2 that are classified as "alkaline (basic) waste".

c. Storage Area "C"- Acid Corrosives and Other Compatible Waste

(1) Maximum volume of waste allowed - 19,800 gallons.

(2) Maximum number of containers allowed - 360 (55 gallon drums or equivalent) , in rows with each row two drums wide and stacked three high.

(3) This area may be used to store those wastes from the approved lists in Table III-1 and III-2 that are classified as "acid waste".

d. Storage area "D" - Reactive Waste

(1) Maximum volume of waste allowed - 5,060 gallons.

(2) Maximum number of containers allowed - 92 (55 gallon drums or equivalent), stacked two high as configured as shown in Drawing 22 (CDL-EX).

(3) This area may be used to store those wastes from the approved lists in Table III-1 and III-2 that are classified as "reactive waste".

e. Storage Area "E" - Ignitable Waste

(1) Maximum volume of waste allowed - 5,060 gallons.

(2) Maximum number of containers allowed - 92 (55 gallon drums or equivalent), stacked two high as configured as shown in Drawing 22 (CDL-EX).

(3) This area may be used to store those wastes from the approved lists in Table III-1 and III-2 that are classified as "ignitable waste".

f. Storage Area "F" – Temporary Container Staging, Sampling Storage Area

(1) Maximum volume of waste allowed - 7590 gallons.

(2) Maximum number of containers allowed - 138 (55 gallon drums or equivalent), with two rows of two drums wide and stacked two high and one row of drums one drum wide and un-stacked configured as shown in Drawing 22 (CDL-EX).

(3) This area may be used to store those wastes from the approved lists in Table III-1 and III-2 for temporary purpose.

g. Lab Pack Processing Area "G"

(1) Maximum volume of waste allowed - 880 gallons.

(2) Maximum number of containers allowed - 16 (55 gallon drums or equivalent), with one row of two drums wide and stacked two high.

(3) Waste portable compactor for compacting nonhazardous debris that is generated in the Lab Pack consolidation area shown in Drawing 22 (CDL-EX).

2. Modified Container Storage Area B and construction of a new Container Storage Area H, effective upon approval of construction certifications for Areas B and H. The remaining container storage areas remain as described in Part III.D.1.

a. Container Storage/Processing Area "B" – Alkaline (basic) Corrosives and Other Compatible Waste

(1) Maximum volume of waste allowed - 10,560 gallons.

(2) Maximum number of containers allowed - 192 (55 gallon drums or equivalent), in two rows with each row two drums wide and stacked three high and in three rows with each row two drums wide and stacked two high configured as shown in Drawing 23 (CDL-PP).

(3) This area may be used to store those wastes from the approved lists in Table III-1 and III-2 that are classified as "alkaline (basic) waste".

b. Container Storage/Processing Area "H" - Alkaline (basic) Corrosives and Other Compatible Waste

(1) Maximum volume of waste allowed - 12,870 gallons.

(2) Maximum number of containers allowed - 234 (55 gallon drums or equivalent), in two rows with each row two drums wide and stacked three high and one drum wide and un-stacked configured as shown in Drawing 23 (CDL-PP), rev. 8/23/2013.

(3) This area may be used to store those wastes from the approved lists in Table III-1 and III-2 that are classified as "alkaline waste".

3. Outdoor Container Staging Areas, effective upon issuance of this permit:

a. Staging in the truck pit for transfer into trailers, tankers, or reactors

(1) The maximum number of drums per batch to be staged at one time in the truck pit may not exceed 100 drums as shown in Drawing 24 (CB1), rev. 8/23/2013.

(2) Drums may not be staged in the truck pit for more than 24 hours.

(3) The following wastes are not approved for staging or transfer in the truck pit staging area:

Fuming acids
Reactive wastes
Sulfides and mercaptans
Organic solvents
Poisons
P-listed wastes
Highly odorous waste
Ignitable waste

(4) Transfer operations shall not be conducted during unsuitable or inclement weather.

b. Staging of package vans or other vehicles

(1) Vehicles that are too small to properly unload at the loading docks may be temporarily staged and unloaded from the parking area directly across from the loading docks as shown in Drawing 42 (PS), rev. 11/01/2011.

(2) Vehicles shall be staged in this area for no more than two hours.

(3) Wastes authorized to be unloaded in this manner shall be limited to lab pack or over-packed containers of approved wastes from brokers and small-quantity generators.

c. Staging outside of Containment Building (Sludge vault)

(1) Drums may be temporarily staged on the apron at the outside of the Containment Building (Sludge vault), as shown in Drawing 24 (CB1), rev. 8/23/2013, to facilitate efficient loading operations by minimizing the frequency that the sludge vault doors have to be opened.

(2) No more than 24 drums containing residual waste shall be staged outside of the nonhazardous waste side of the Containment Building (Sludge vault) at any one time.

(3) No more than 18 drums containing hazardous waste shall be staged outside of the hazardous waste side of the Containment Building (Sludge vault) at any one time.

(4) Drums shall be staged in this area for no more than eight hours. Only solid wastes shall be staged in this manner.

(5) Drums shall not be staged in this manner during unsuitable or inclement weather.

(6) Drums shall be otherwise managed consistent with the requirements of Part V.

d. Staging in trailers along property boundary

(1) A maximum of four trailers containing solid or liquid, containerized residual or hazardous waste, or nonliquid universal waste may be staged in the parking area across from the truck pit. For trailers containing liquid waste, secondary containment shall be provided by either: (1) the trailer having its own internal secondary containment or (2) portable secondary containment, acceptable to DEP, being provided around each individual trailer. The asphalt parking area and access roadway shall not be utilized as part of this secondary containment requirement for liquid waste (see Drawing 42 (PS), rev. 11/01/2011).

(2) No reactive or ignitable waste shall be staged in this area.

(3) Trailers containing residual or hazardous waste shall be staged for no more than twenty-four hours and shall be staged only to facilitate loading or unloading at the facility. The permittee shall have the flexibility to unload these trailers directly into the sludge vault or the truck pit when said operations are considered to be less hazardous than direct utilization of the authorized loading areas identified in PART II.R.1. However, no sampling of the containers from trailers staged in this area is authorized.

(4) Trailers containing universal waste may be stored in this area for up to ten days and shall be otherwise managed pursuant to the requirements of 25 Pa. Code Chapter 266b and 40 CFR Chapter 273, relating to large quantity handler of universal waste.

e. Empty Container Supply Storage Area

Empty containers can be stored outside along property line near loading dock No. 2 as shown in Drawing 42 (PS), rev. 11/01/2011.

E. COMPATIBILITY OF WASTES WITH CONTAINERS

The Permittee shall assure that the ability of the container to contain the waste is not impaired as required by 40 CFR 264.172.

F. MANAGEMENT OF CONTAINERS

The Permittee shall manage containers as required by 40 CFR 264.173 and 25 Pa. Code 264a.173 and as described in Attachment 5.

G. CONTAINMENT

The Permittee shall construct and/or maintain the containment system as required by 40 CFR 264.175 and the attached plans and specifications, Attachment 5.

H. CONTAINER STACKING HEIGHT, WIDTH, AND DEPTH

The Permittee shall store containers of hazardous and residual waste as required by 40 CFR 264.173 and 25 Pa. Code 264a.173 and the attached plans and specifications, Attachment 5.

I. SPECIAL REQUIREMENTS FOR IGNITABLE OR REACTIVE WASTES

The Permittee shall not locate containers holding ignitable or reactive wastes within 15 meters (50 feet) of the facility's property line as required by 40 CFR 264.176. Outdoor storage of ignitable or reactive wastes shall also comply with the requirements of Pa. Code 264a.173.

J. SPECIAL REQUIREMENTS FOR INCOMPATIBLE WASTES

1. Placement of Incompatible Wastes. The permittee shall not place incompatible wastes in the same containers; the Permittee shall follow the procedures specified in Attachment 5.

2. Incompatible Wastes in Unwashed Containers. The Permittee shall not place waste in an unwashed container that previously held an incompatible waste or material.

3. Storage of Incompatible Wastes. The Permittee shall store containers of incompatible wastes as indicated in Attachment 5 and as required by 40 CFR 264.177(c).

4. Documentation. The Permittee must document compliance with sections (1) and (2) of this condition as required by 40 CFR 264.17(c) and place this documentation in the operating record (Permit Part II, Condition H.1).

K. WEIGHING OR MEASURING FACILITIES

The Permittee shall provide, maintain, and operate weighing or measuring facilities as required by 25 Pa. Code 264a.180.

L. OPERATING HOURS

The Permittee shall maintain at the entrance to the facility a sign displaying the hours of operation. The lettering shall be a minimum of four inches in height and of a color contrasting with its background.

M. INTERIM MANAGEMENT OF CONTAINERS

The modifications to the (indoor) container storage area are to be constructed after this permit is issued. The existing facility may continue to operate as described in PART III.D.1 until the upgraded storage area has been constructed and certified, at which time the applicable requirements of PART III.D.2 shall apply.

N. CONSTRUCTION/MODIFICATION OF STORAGE AREAS

1. Construction Practices. The Permittee shall use best engineering construction practices during all phases of construction and/or modification of the container storage areas.

2. Quality Control Measures. The Permittee shall use the quality control measures and tests to insure that construction and modification of the container storage areas conform to the design materials and construction specifications approved in this permit as required by 40 CFR 264.19.

3. Professional Engineer Certification. The Permittee shall obtain a written certification from a registered professional engineer for each phase of construction or modification of each container storage area to verify that each construction or modification was conducted in accordance with this permit. Each certification shall be submitted to DEP for approval.

PART IV - STORAGE/TREATMENT IN TANKS

A. WASTE IDENTIFICATION

The facility is permitted to store and/or treat hazardous and residual waste in the following tanks and ancillary equipment:

Tank/Equipment ID	Permitted Capacity	Year of Manufacture for Steel Waste Tanks	Process Description	Material of Construction and Initial/Current/ Minimal Thickness of Steel Tanks+	Orientation and Shape
T-1, T-2, T-4, T-5, T-7, T-9	6,400 gal.		Acid and Neutral Receiving and Storage	Polyethylene	Vertical, Cylindrical
T-3	6,400 gal.		Caustic Storage		
T-6	6,400 gal.				
R-1	6,650 gal.		Waste Treatment	Fiber-reinforced Polyester Resin	Vertical, Cylindrical
R-2	7,000 gal.				
R-3	7,000 gal.				
R-4	7,100 gal.				
R-5*	8,250 gal.				
R-6*	8,250 gal.				
R-7*	8,250 gal.				
R-8	7,000 gal.				
ST-1	8,400 gal.		Treated Waste Holding	Fiber-reinforced Polyester Resin	Vertical, Cylindrical
ST-2	8,400 gal.				
ST-3	8,400 gal.				
S-2	7,200 gal.	Approximately 1978	Oil Storage	Carbon Steel 0.250/0.233/0.125	Vert., Rect.
OT-1	5,000 gal.		Oil Storage	Polyethylene	Vertical, Cylindrical
EST-1	5,000 gal.		Emerg. Stg.	Polyethylene	Vert., Cylind.
ET-1	15,000 gal.	2000	Effluent Holding	Carbon Steel 0.250/0.220/0.125	Horizontal, Cylindrical
ET-2	15,000 gal.	2000		Carbon Steel 0.250/0.224/0.125	
EQ-1	50,000 gal.	1989	Eff. Discharge	Carbon Steel 0.375/0.346/0.1875	Horiz., Rect.
HT-1	21,000 gal.	Approximately 1978	Stormwater	Carbon Steel 0.266/0.239/0.133	Vert., Cylind.
HT-2	21,000 gal.	Approximately 1978	Haz. Eff. Stg.	Carbon Steel 0.250/0.237/0.125	Vert., Cylind.
DPT-1*	2,000 gal.		Drum Process	Polyester Resin	Vert., Cylind.
RGT-1**	1,600 gal.		Precoat Stg.	Carbon Steel	Vert., Cylind.
RGT-2**	1,400 gal.		Carbon Stg.	Carbon Steel	Vert., Cylind.

Tank/Equipment ID	Permitted Capacity	Year of Manufacture for Steel Waste Tanks	Process Description	Material of Construction and Initial/Current/ Minimal Thickness of Steel Tanks+	Orientation and Shape
RGT-3**	270 gal.		Reagent Stg.	Polyethylene	Vert., Cylind.
RGT-4**	500 gal.		Cealwater Stg.	Fiber-reinforced Polyester Resin	Vert., Cylind.
LT-1**	4,000 gal.		Lime Reagent Storage	Carbon Steel	Vert., Cylind.
FP-1	NA		Filtration	Steel Frame, Polypro. Plates	Rectangular
FP-2	NA				
VF-2	1,500 gal.			Steel Drum	Cylindrical
Silver Filter System	(4) 200 gal.			Poly Totes	

Note: *Tanks to be removed.
**Reagent storage tanks, only. Not permitted for hazardous waste storage.
+Minimum thickness for Class 1 ASTs is 50% or original thickness.

1. Storage Tanks:

   Tanks T-1, T-2, T-4, T-5, T-7, T-8, and T-9 may be used to store those wastes from the approved lists in Table III-1 and III-2 that are compatible with acid and neutral receiving and storage.

   Tanks T-3 and T-6 may be used to store those wastes from the approved lists in Table III-1 and III-2 that are compatible with caustic receiving and storage.

2. Reactors Tanks:

   Tanks R-1 through R-4 and R-8 may be used to store and treat those wastes from the approved list in Table III-1 that are compatible with hazardous waste treatment.

   Tanks R-5 through R-7 may be used to store and treat those wastes from the approved list in Table III-2 that are compatible with residual waste treatment.

3. Settling Tanks:

   Tanks ST-1, ST-2, and ST-3 may be used to store and treat those wastes from the approved lists in Table III-1 and III-2 that are compatible with treated waste storage.

4. Oil Storage Tanks:

   Tanks S-2 may be used for the storage of Emulsions and OT-1 may be used for the storage of recovered waste oils pending sampling, analysis, and shipment off-site for reuse or disposal.

5. Emergency Storage Tank:

Tank EST-1 may be used for the emergency storage of spilled waste, overflow waste, or waste accumulated in secondary containment from other areas within the facility, consisting of those wastes from the approved lists in Table III-1 and III-2 that are compatible with said emergency storage usage.

6. Effluent Holding Tanks:

Tanks ET-1 and ET-2 may be used to store and polish compatible effluents derived from the treatment of wastes from the approved lists in Table III-1 and III-2. Waste shall be stored in these tanks pending a determination of completion of treatment through sampling and analysis.

7. Equalization Tank:

Tank EQ-1 may be used to store compatible effluents derived from the treatment of wastes from the approved lists in Table III-1 and III-2. Waste that is stored in this tank shall have been determined to meet the Hatfield Township Municipal Authority discharge requirements.

8. Holding Tanks:

Tanks HT-1 and HT-2 may be used to store compatible effluents derived from the treatment of wastes from the approved lists in Table III-1 and III-2. Effluent waste that is stored in these tanks has been determined not to meet the Hatfield Township Municipal Authority discharge requirements and is being held pending off-site shipment for further treatment or disposal.

Tanks HT-1 and HT-2 may also be used to store facility stormwater pending analysis to determine whether the stormwater meets the Hatfield Township Municipal Authority discharge requirements. Effluent waste shall not be commingled with facility stormwater in these tanks.

9. Drum Processing Tank:

Tank DPT-1 may be used for the storage and treatment of compatible wastes from the approved lists in Table III-1 and III-2 that are derived from the decanting of containers.

10. Plate and Frame Filter Presses:

FP-1- Plate and Frame Filter Press, 320 ft^2 filtration area

FP-2 - Plate and Frame Filter Press, 1,350 ft^2 filtration area

VF-2 - Rotary Drum Vacuum Filter, 1,500 gallons filter vat capacity

Filter units FP-1, FP-2, and VF-2 may be used to remove solids from treated aqueous wastes from the approved lists in Table III-1 and III-2.

B. DURATION OF STORAGE

The Permittee shall not store wastes in tanks at this facility in excess of one year.

C. DESIGN AND CONSTRUCTION OF TANKS

The Permittee shall construct, modify, and maintain all tanks in accordance with the plans and specifications in Attachment 7.

D. PROTECTION FROM OVERFILLING

The Permittee shall prevent overfilling of tanks by the methods specified in Attachment 7. The information about high level alarm for tanks are provided table in Part IV.A and shown in Drawing 28 (WD-PP).

1. Storage tanks T-1, T-2, T-4, T-5, T-7, T-8, and T-9 are equipped with a high-level sensor alarm.

2. Settling tanks ST-1, ST-2, and ST-3 are equipped with a high-level sensor alarm.

3. Effluent holding tanks ET-1 and ET-2 are equipped with a high-level sensor alarm.

4. Reactors tanks R-1, R-2, R-3, R-4, R-5, R-6, R-7, and R-8 are equipped with a high-level sensor alarm.

5. Drum Processing tank DPT-1 is equipped with a high-level sensor alarm.

6. Emergency Storage Tank EST-1 is equipped with a high-level sensor alarm.

7. Emulsion Storage Tank S-2 is equipped with a high-level sensor alarm.

8. Oil Storage Tank OT-1 is equipped with a high-level sensor alarm.

E. SECONDARY CONTAINMENT

The Permittee shall construct and/or maintain the containment structure as required by 40 CFR 264.194(b) and as shown in Drawings 20 (SCS-EX0 and 21 (SCS-PP) and in Attachment 7.

F. EMERGENCY REPAIRS - CONTINGENCY PLAN

1. The Permittee shall inspect the tanks in accordance with the Tank Evaluation and Repair (TER) Plan whenever there is any indication of a possible failure as required by 40 CFR 264.196.

2. Whenever there is evidence of tank failure, the Permittee shall remove the tank from service as required by 40 CFR 264.196 and implement the procedures required by 40 CFR 264.196(a) and specified in the PPC Plan, Attachment 4.

3. Prior to restoring it to service, the Permittee shall repair the tank and obtain a certification from a registered professional engineer that it meets the design specifications approved in this permit, as required 40 CFR 264.196(f).

4. If a tank has been removed from service due to failure and is not being repaired, the permittee shall close it as required by 40 CFR 264.196.

G. EQUIPMENT

1. Equipment Maintenance. The Permittee shall maintain tank operating equipment in operable condition and adequate in size and performance capability to assure that the facility operation will not be interrupted during normal working periods and that the facility operation is in accordance with this permit.

2. Standby Equipment. The Permittee shall maintain standby equipment on-site or readily available for use in the event of a major equipment breakdown.

H. TREATMENT OF WASTES IN TANKS

The Permittee shall conduct all treatment operations in accordance with the procedures in Attachment 8.

I. PROTECTION FROM CORROSION

The Permittee shall protect tanks from accelerated corrosion, erosion, and abrasion as specified in Attachment 7.

J. SPECIAL REQUIREMENTS FOR IGNITABLE OR REACTIVE WASTES

1. Special Requirements. The Permittee shall not place ignitable or reactive waste in a tank unless the procedures described in Attachment 7 are followed.

2. Documentation. The Permittee shall document compliance with the above permit condition as required by 40 CFR 264.17(c) and place this documentation in the operating record (PART II.H.1).

3. NFPA Requirements. The Permittee shall comply with all applicable requirements for covered tanks listed in the National Fire Protection Association's "Flammable and Combustible Liquids Code, 1981", or latest revised edition.

K. SPECIAL REQUIREMENTS FOR INCOMPATIBLE WASTE

1. Incompatible Waste Precautions. The Permittee shall not place incompatible wastes in the same tank or place hazardous waste in an unwashed tank that previously held an incompatible waste or material unless the procedures specified in Attachment 7 are followed.

2. Documentation. The Permittee shall document compliance with the above permit condition as required by 40 CFR 264.17(c) and place this documentation in the operating record (PART II.H.1).

L. WASTE ANALYSIS

The Permittee shall conduct waste analyses and trial treatment or storage tests, or shall obtain written, documented information as required 40 CFR 264.194(a) and the Waste Analysis Plan, Attachment 1, before chemically treating or storing a hazardous waste which is substantially different from waste previously treated or stored in a tank or before chemically treating hazardous waste with a substantially different process than previously used in a tank. The analyses, tests, and information shall be placed in the operating record (PART II.H.1).

M. WEIGHING OR MEASURING FACILITIES

The Permittee shall provide, maintain, and operate weighing or volume measuring facilities to accurate record the quantities of waste managed in tanks.

N. OPERATING HOURS

The Permittee shall maintain at the entrance to the facility a sign displaying hours of operation. The lettering shall be a minimum of four inches in height and of a color contrasting with its background.

O. TANK CONSTRUCTION OR INSTALLATION

1. Inspections. The Permittee shall inspect the tank for uniformity, damage, and imperfections during construction or installation.

2. Construction Practices. The Permittee shall use best engineering construction practices during all phases of installation and construction.

3. Quality Control Measures. The Permittee shall use the quality control measures and tests specified in Attachment 7 to insure that installation and construction conform to the design materials and construction specifications approved in this permit.

4. Professional Engineer Certification. The Permittee shall obtain a written certification from a registered professional engineer for each phase of installation or construction as required by 40 CFR 264.192(g) and for certification of proper closure of the unit for tank removals pursuant to 40 CFR 264.197. Each certification shall be submitted to DEP for an approval.

5. Construction Schedule. The Permittee shall construct or install the tanks/tank modifications in accordance with the following schedule:

   a. Tank removal and replacement shall comply with the following:

      (1) The Permittee shall prioritize tank removal and/or replacement based on the condition and serviceability of the existing tanks. PART III.C and PART III.F shall govern any continued service of the existing tanks pending their removal or replacement independent of any schedule that may be proposed under PART III.O.5.

      (2) Permittee shall submit written notice at least six (6) months in advance of the commencement of removal or removal/replacement of each unit.

      (3) In the written notice, the permittee shall verify the design specifications for consistency with this permit, or shall submit a permit modification pursuant to 40 CFR 270.42 and 25 Pa. Code 270a.42 for changes or deviations from the specifications contained in this permit.

      (4) The notice shall contain QA/QC procedures for the construction and/or modification subject to the notification submittal.

      (5) The notice shall contain the construction and/or modification schedule for tank removal or removal/replacement. Tanks to be removed shall be removed within four (4) months of the commencement date provided in the written notification required in PART IV.O.5.a.(2), and tanks to be replaced shall be replaced within six (6) months of the commencement date provided in the written notification required in PART IV.O.5.a.(2).

   b. Engineering certifications required by PART IV.O.4 shall be submitted within 30 days of completion of the removal and/or replacement of each tank.

   c. New or replaced tanks shall not be placed into service until DEP has reviewed and approved the engineering certifications required pursuant to PART IV.O.4 and PART IV.O.5.b.

P. SURFACE WATER MANAGEMENT

1. Design Standards. The Permittee shall manage surface water on the site as required by 40 CFR 264.18(b) and the plans and specifications in Attachment 9.

2. Run-Off. The Permittee shall manage surface water run-off as required by 40 CFR 264.18(b) and the plans and specifications in Attachment 9.

3. Run-On. The Permittee shall control run-on as required by 264.18(b) and the plans and specifications in Attachment 9.

PART V – CONTAINMENT BUILDING (SLUDGE VAULT)

A. WASTE IDENTIFICATION

The Permittee utilizes a "Containment Building", also identified as the "sludge vault" (70' x 90' x 40'H), for temporary storage and treatment of hazardous and residual wastes. Waste piles are created in the enclosed sludge vault when wastes are solidified, co-mingled with compatible wastes, directly dumped from trucks, and treated wastes are discharged from the filter press conveyor belt to the floor as a filter cake. No liquid or incompatible wastes are permitted for storage or treatment in the sludge vault. The containment building housing the sludge vault is designed and constructed with a primary barrier (geomembrane overlain by a concrete wear surface) and a secondary barrier (geomembrane overlain by a leak detection system) as shown in the approved Drawings 24 (CB-1), 25 (CB-2), AND 25 (CB-3). Together, the primary and secondary barriers constitute the "liner" for the sludge vault. Hazardous and nonhazardous (residual) wastes are segregated inside the sludge vault.

The Permittee may store and treat the following solid wastes in waste piles in the containment building, subject to the terms of this permit:

1. Any hazardous waste type listed in Table III-1 of this permit so long as the management of the waste or waste combinations is compatible with the operation of the sludge vault as authorized under this permit. These wastes are listed by U.S. EPA code numbers and source description as referenced in 40 CFR, Subpart D, Sections 261.31, 261.32, and 261.33.

2. The following residual waste types and operations are approved for the sludge vault. Refer to Table III-2 for residual waste types:

   a. The following waste codes may be accepted for treatment and co-mingling in the sludge vault:

      (1) 004, 005, 006, 007

      (2) 301, 302

   b. The following waste codes may be accepted for segregated re-packaging and storage in the sludge vault:

      (1) 308

      (2) 410

      (3) 501, 502, 504, 510

c. The following waste codes may be accepted for segregated consolidation and storage in the sludge vault:

(1) 001, 002, 003, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113

(2) 201, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214

(3) 304, 305, 306, 307, 310, 311, 312, 313, 320, 399

(4) 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 430, 440, 450, 460, 470, 471, 472, 473, 474, 480, 481, 482, 483, 484, 499

(5) 503, 505, 506, 507, 508

(6) 701, 702, 703, 704, 710, 799

(7) 801

(8) 902, 999

B. DURATION OF STORAGE

The Permittee shall not store hazardous waste in the sludge vault at this facility in excess of one year.

C. DESIGN AND OPERATING REQUIREMENTS

1. The Permittee shall operate and maintain the liner in accordance with the requirements of 40 CFR 264.1101, and as specified in the attached plans and specifications, Attachment 10.

2. Pursuant to 40 CFR 264.1101(a)(4), the permittee shall provide a liner system with an effective life equal to or greater than the life of the sludge vault.

3. The Permittee shall maintain a minimum distance of 20 inches between the top of the sub-base and seasonal high groundwater table.

4. The Permittee shall operate and maintain the waste piles in the sludge vault so that, at all times, hazardous and nonhazardous wastes are segregated.

5. The Permittee shall operate and maintain a leak detection system pursuant to 40 CFR 264.1101(c)(4) and in accordance with the plans and specifications in Attachment 10.

6. If liquid leaks into the leak detection system, the Permittee must notify DEP within seven days. The Permittee must remove accumulated liquid, repair or replace the liner which is leaking, and provide certification from a registered professional engineer that the leak is fixed within 15 days of its detection.

7. The Permittee must begin to comply with the leak detection monitoring procedures within three days of detecting liquid in the leak detection system.

8. The Permittee shall remove wastes from the sludge vault once every three months and inspect the sludge vault floor for deterioration, cracks, or other conditions that may result in leaks.

9. The Permittee shall not store liquids or materials containing free liquids in the sludge vault. Further, no wastes shall be placed in the waste piles in the sludge vault if leachate would be generated as a result of decomposition or other reactions.

D. EMERGENCY REPAIRS - CONTINGENCY PLAN

1. The Permittee shall inspect the liner system in accordance with the Waste Pile Evaluation and Repair (WPER) Plan whenever there is any indication of a possible failure.

2. Whenever there is evidence of a failure of the liner system, including evidence of liquid in the leak detection system, deterioration, cracking, or other condition that is or could cause leaking, the Permittee shall remove the sludge vault from service as required by 40 CFR 264.1101(c)(3). The Permittee also shall immediately implement the procedures required by 40 CFR 264.1101(c)(3) and specified in the PPC Plan, Attachment 10.

3. Prior to restoring it to service, the Permittee shall repair the liner system and obtain a certification from a registered professional engineer that it meets the design specifications approved in this permit, as required by 40 CFR 1101(c)(3)(iii).

4. If the sludge vault, or a portion of the sludge vault, has been removed from service due to liner system failure, and it is not to be repaired and restored to service, the Permittee shall close it as required by 40 CFR 264.1102.

E. SPECIAL REQUIREMENTS FOR IGNITABLE OR REACTIVE WASTE

1. The Permittee shall not place ignitable or reactive waste in the sludge vault.

2. The Permittee shall document compliance with the above permit condition as required by 40 CFR 264.17(c) and place this documentation in the operating record.

F. SPECIAL REQUIREMENTS FOR INCOMPATIBLE WASTES

1. The Permittee shall not place incompatible wastes or incompatible wastes and materials in the sludge vault.

2. The Permittee shall document compliance with the above permit condition as required by 40 CFR 264.17(c) and place this documentation in the operating record.

3. The Permittee shall not place hazardous wastes on the same waste pile base where incompatible wastes or materials were previously piled.

G. WEIGHING OR MEASURING FACILITIES

The Permittee shall provide, maintain, and operate weighing or measuring facilities to accurately measure the quantities of waste managed in the sludge vault.

H. OPERATING HOURS

The Permittee shall maintain at the entrance to the facility a sign displaying hours of operation. The lettering shall be a minimum of four inches in height and of a color contrasting with its background.

I. GENERAL VAULT OPERATIONS

1. The Permittee shall operate and maintain unloading areas, as specified in Attachment 10. Unloading areas shall permit vehicles to unload promptly.

2. The Permittee shall minimize or eliminate the tracking of waste within or outside the sludge vault, as required by 40 CRF 1101(c)(1)(iii) and specified in Attachment 10.

3. The Permittee shall prevent dust from hampering site operations or from causing health or safety hazards and nuisances, as required by 40 CFR 1101(c)(1)(iv) and specified in Attachment 10.

4. The doors to the sludge vault area are to be kept closed when vehicles are being loaded or unloaded.

5. No mixing of waste may take place in the sludge vault area during times when the dust collector system is inoperable.

6. Each truckload of waste leaving the sludge vault is to be sampled and analyzed, and the analysis results are to be evaluated before waste is shipped from the sludge vault.

7. The maximum waste pile height in the sludge vault may not exceed twelve (12) feet. A visual marking shall be placed at this height along the walls to allow visual confirmation of compliance with the height restriction.

8. The maximum amount of bulk residual solid waste accepted for treatment may not exceed 250 cubic yards per day.

9. The maximum volume of waste that may be stored at any time is 350 cubic yards in each side of the sludge vault.

10. The maximum volume of waste that may be accepted in the sludge vault is 700 cubic yards per day of hazardous waste or 700 cubic yards per day of residual waste. These volumes are part of, and not in addition to, the facility's waste acceptance limitations contained in PART II.R.5.

11. The Permittee is prohibited from utilizing mechanical equipment of any kind to crush, open, or otherwise process waste or waste containers in the sludge vault. All containers of waste to be placed on a waste pile in the sludge vault must be placed manually.

12. Temporary staging of containers on the apron outside of the sludge vault doors is allowed pursuant to the requirements of PART III.D.3.c.

13. Exceptional Quality (EQ) Biosolids may be used as an additive/drying agent for solidification/treatment operations pursuant to Attachment 10 (Volume 4, Section 3.2 of the application) provided that the EQ Biosolids have been generated and are being beneficially utilized in accordance with the terms and conditions of General Permit (PAG-07) and are no longer considered a waste pursuant to PAG-07. The Permittee shall insure that the facility receiving the treated waste is approved to accept biosolids or that receipt of the mixture of the Permittee's waste with biosolids is otherwise acceptable at that facility. Nuisances related to the use of EQ Biosolids, including but not limited to odors and dust emissions, shall be grounds for terminating the use of EQ Biosolids as an additive/drying agent notwithstanding their de-wasting status pursuant to PAG-07.

PART VI – GROUNDWATER MONITORING

A. SAMPLING LOCATION AND WELL CONSTRUCTION

The Permittee shall operate and maintain a surface and groundwater monitoring system consistent with the requirements of 25 Pa. Code 264a.97, 40 CFR 264.97, and 264.98, and as specified below:

1. The Permittee shall operate and maintain groundwater monitoring wells and surface water sampling points at the locations specified on the map presented in Attachment 11.

2. The Permittee shall operate and maintain the monitoring wells identified in PART VI.A.1 in accordance with the plans and specifications presented in Attachment 11.

B. SAMPLING AND ANALYSIS PROCEDURES

The Permittee shall use the following techniques and procedures when obtaining samples and analyzing samples from the sampling locations described in PART VI.A:

1. Samples shall be collected quarterly by the techniques described in Attachment 11.

2. Samples shall be preserved and shipped (when shipped off-site for analysis) in accordance with the procedures specified in Attachment 11.

3. Samples shall be analyzed according to the procedures specified in Attachment 11.

4. Samples shall be tracked and controlled using the chain of custody procedures specified in Attachment 11.

C. MONITORING PARAMETERS

1. The Permittee shall monitor the groundwater to determine if the facility is in compliance with the groundwater protection standards in 25 Pa. Code Chapter 250, Administration of Land Recycling Program. Specifically, the Permittee shall compare all groundwater sampling data to the most stringent value listed in Appendix A, Tables 1 (Medium Specific Concentrations (MSCs) for Organic Regulated Substances in Groundwater) and 2 (MSCs for Inorganic Regulated Substances in Groundwater). The Permittee shall also monitor surface water and compare analytical results to established data trends of past sampling results for any significant deviations. Surface water and groundwater shall be analyzed for the following parameter list:

   Wet Chemistry - pH, Total Dissolved Solids, Total Suspended Solids, Total Organic Carbon, Chloride, Ammonia Nitrogen, Total Phenols.

T/D Metals - Cadmium, Chromium, Copper, Iron, Lead, Nickel, Zinc. Dissolved Metals analysis shall be performed on a quarterly basis. Total metals analysis shall be performed on an annual basis, in conjunction with the Dissolved Analysis.

VOCs - Benzene, Ethylbenzene, Toluene, 1,1-Dichloroethane, Trans 1,2-Dichloroethane, Methylene Chloride, 1,1,1-Trichloroethane, Trichloroethene, Tetrachloroethene, Tertiary Butyl Alcohol, Methyl Tertiary Butyl Ether.

2. The Permittee shall monitor well numbers MW-1D through MW-6D, MW-7S, MW-8S, MW-9, MW-10S, MW-10D, MW-12D, and MW-13D at the point of compliance, as described in PART VI.A, and as designated on the map incorporated in Attachment 11. The Permittee shall monitor surface water sampling points identified as the swale and the stormwater tank as designated on the map incorporated in Attachment 11. When stormwater is not available at the berm area, samples should be collected from the stormwater tank.

3. The compliance period is equal to the term of this permit plus a minimum of a 30 year post-closure period, unless otherwise reduced in writing by DEP.

D. MONITORING PROGRAM AND DATA EVALUATION

1. The Permittee shall sample and analyze groundwater and surface water quality from all monitoring wells and surface water sampling points identified in PART VI.A and PART VI.C on a quarterly basis unless otherwise approved by DEP in writing. Samples shall be collected for analysis on or before March 31, June 30, September 30, and December 31. Analytical results should be submitted to DEP within 15 days of analysis completion but in no case later than 30 days after the end of the sampling quarter as identified above. Exceptions may only be made, subject to DEP's approval, if DEP is contacted within the previously described time limits and provided an acceptable explanation why a delay is required. Telephone contacts shall be followed up in writing.

2. Along with each quarterly submission of monitoring results, the Permittee shall also submit the following:

   a. Sludge vault witness zone gauge readings and analytical data from the sampling of the witness zone.

   b. A narrative report describing anything unusual or noteworthy about the particular sampling and analysis event.

   c. An evaluation of analytical results for each hazardous constituent as required by 25 Pa. Code 264a.97(2)(ii) and 40 CFR 264.97(h). A control chart approach should be used in evaluating groundwater monitoring data.

d. Annual determination of groundwater flow rate and direction in the uppermost aquifer as required by 40 CFR 264.98(e).

E. REPORTING AND RECORDKEEPING AND RESPONSE

1. If it is determined, by either the Permittee or DEP, that operations at the facility have impacted the groundwater or surface water, the Permittee shall submit an assessment plan to the DEP within 30 days after the release is discovered.

2. The Permittee shall enter all monitoring, testing, and analytical data obtained pursuant to PART VI.D in the operating record, as required by 25 Pa. Code 264a.97.

3. The Permittee shall submit a milestone report containing any information indicating that the significant increase in parameter(s) was due to a source other than the facility, as required by 40 CFR 264.98(g)(6).

4. The Permittee shall submit all reports to DEP as required by 25 Pa. Code 264a.97.

F. PERMIT MODIFICATION

If the Permittee determines that the groundwater quality assessment required by this permit no longer satisfies the requirements of the regulations, an application for a permit modification must be submitted to make any appropriate changes to the program which will satisfy the regulations.

James Wentzel, P.E.
Regional Manager
Waste Management Program

12/10/2014
Date Signed

Re 30 (eh14wm)342-p

LIST OF ATTACHMENTS

1. Waste Analysis Plan (Vol. 2-Form HW-13, Vol. 4-Section 4.0)
2. Inspection Schedule (Vol. 4-Section 6.0)
3. Personnel Training (Vol. 4-Section 10.0)
4. PPC Plan (Vol. 4-Section 5.0)
5. Container Management Plan (Vol. 4-Subsections 1.10.3, 1.10.5, 3.1, and 4.3.3.3)
6. Closure/Post-Closure Plan (Vol. 4-Section 12.0)
7. Tank Management Plan (Vol. 4-Subsections 1.10.1, 2.0, and 4.3.3.1)
8. Treatment Procedures (Vol. 4-Subsection 2.3 and 4.3.3.1)
9. Storm Water Management (Vol. 2-Section 8)
10. Sludge Vault Management (Vol. 4-Subsections 1.10.2, 3.2 and 4.3.3.2)
11. Ground Water Quality Assessment (Vol. 4-Section 9.0, Drawing 40 (SDP) & 41(GF))

Note: Where a section is cited as #.0 (example 1.0), the entire section and all subsections are meant to be included in the citing. Where a subsection is cited as #.# or #.#.# (example 1.1 or 5.1.1), then only those particular subsections are meant to be included. If a cited section or subsection, in turn, references other sections or subsections, then those referenced sections and/or subsections are included as part of the original citing. The above citings are only meant to give direction regarding where, in the application, the most direct references may be found and are not meant to be inclusive or exclusive in part or in whole.