



pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION
NORTHEAST REGIONAL OFFICE

March 21, 2012

Mr. Raymond Koch
Environmental, Health and Safety Director
World Resources Company, Inc.
170 Walnut Lane
Pottsville, PA 17901-8559

Re: Hazardous Waste Permit
World Resources Company, Inc.
#PAD981038227
Permit Renewal
Norwegian Township, Schuylkill County

Dear Mr. Koch:

I am pleased to enclose Permit No. PAD981038227 for hazardous waste treatment and storage. This permit is issued under the provisions of the Pennsylvania Solid Waste Management Act of July 7, 1980 (Public Law 380, No. 97). World Resources Company is located in Norwegian Township, Schuylkill County and is a treatment and storage facility for the production of non-ferrous and precious metal concentrate products from the recycling of residual and hazardous electroplating wastewater treatment sludges F006 and F019 residuals and solutions, D002, D004-D010, F007-F009. Concentrates are sold internationally to the smelting and refining industry as direct substitute for conventional metal ore concentrates.

As per the Hazardous Waste Regulation, 25 Pa. Code Section 270a Hazardous Waste Permit Program, Subchapter H Public Notice and Hearings, the public was afforded forty-five (45) days to comment on the draft permit prepared under the Solid Waste Management Act. A public hearing was conducted by the Department on February 28, 2012 to receive comment on the draft 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.

The attachments to the permit remain unchanged from those distributed with the draft permit except for an updated insurance certificate which is enclosed for your insertion in Attachment 7.

If you have any questions, please contact me at the letterhead telephone number and address.

Sincerely,



William Tomayko
Program Manager
Waste Management Program

Enclosure

cc: Norwegian Township
Schuylkill County Planning Commission
Schuylkill County
Mr. Paul Gotthold/US EPA Region III
Mr. Dwayne Womer, Division of Hazardous Waste Management – w/o enclosure

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF LAND RECYCLING AND WASTE MANAGEMENT

**Permit
For
Hazardous Waste Treatment, Storage, and/or Disposal Facility**

Permit No. PAD981038227
Date Issued March 21, 2012
Date Expired March 21, 2022

Under the provisions of Act 97, the Solid Waste Management Act of July 7, 1980 (hereinafter called the Act), a Hazardous Waste Recycling, Treatment and Storage Permit Number PAD981038227 is issued for a hazardous waste recycling permit to:

World Resources Company, Inc.

170 Walnut Lane, Pottsville, Schuylkill County

Latitude 40 ° 41 '20 "North

Longitude 76 ° 14 '00 " West

This permit shall become effective on March 21, 2012.

This permit allows for the storage and treatment of hazardous waste and approved mercury-containing residual wastes per the Approved Permit Application, the relevant regulations and the terms and conditions of this permit prior to recycling of the waste via its use or reuse as ingredients in an industrial process to make a product; its use or reuse as an effective substitute product or raw material; or its reuse in the primary metals industry.

This permit is subject to modification, amendment and supplement by the Department of Environmental Protection and is further subject to revocation or suspension by the Department of Environmental Protection for any violation of the applicable laws or the rules and regulations adopted thereunder, for failure to comply in whole or in part with the conditions of this permit and the provisions set forth in the application; No. PAD981038227, which is made a part hereof, or for causing any condition inimical to the public health, safety or welfare.

See attachment for waste limitations and/or special conditions.



FOR THE DEPARTMENT OF ENVIRONMENTAL PROTECTION

INTRODUCTION

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 hazardous waste regulations and Federal hazardous waste regulations to World Resources Company, Inc. (hereafter called the Permittee), to operate a hazardous waste management facility located in Norwegian Township, Schuylkill County at latitude 40 ° 41 ' 20 " North and longitude 76 ° 14 ' 00 " West.

The Permittee must comply with all terms and conditions of this permit. This permit consists of the conditions contained herein (Parts I - VI, consisting of pages 1 through 18 and Attachments 1 through 7) 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 application submitted on November 4, 2010 (hereafter referred to as the application) is 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 regulations contained in 25 Pa. Code Chapter 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 March 21, 2012, and shall remain in effect until March 21, 2022, unless revoked and reissued, or terminated in accordance with 25 Pa. Code 270a.41, 270a.42, 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 and residual waste expressly described in this permit and does not authorize any other management of hazardous 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 and reissued, 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 and reissuance, or 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" is the Department of Environmental Protection of the Commonwealth of Pennsylvania.

E. REPORTS, NOTIFICATIONS AND SUBMISSIONS TO THE DEPARTMENT

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

Program Manager
Waste Management Program
Commonwealth of Pennsylvania
Department of Environmental Protection
2 Public Square
Wilkes-Barre, PA 18701-1915

F. SIGNATORY REQUIREMENTS

All reports or other information requested by the Department 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 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 plan 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 264.144 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. Documents required by Part I, Section H.9, H.13, H.14, H.15, and Part II, Sections L of this permit.

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 regulation promulgated thereunder and is grounds for enforcement action; for permit revocation, termination and 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, the Department 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 and 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 the Department within a reasonable time, any relevant information which the Department 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 the Department, 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 the Department, 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; and
 - 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 the Department. 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 the Department 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 the Department 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 required by the Department for the active life of the facility and during the post-closure care period as well.
 - 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; and
 - (6) The results of such analyses.
10. Reporting Planned Changes. The Permittee shall give notice to the Department 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 the Department.
 11. Anticipated Noncompliance. The Permittee shall give advance notice to the Department 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 the Department 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; and
 - (7) Estimated quantity and disposition of recovered material that resulted from the incident.
 - c. A written submission shall also be provided to the Department 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 non-compliance (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 the Department extends it to fifteen (15) days.
 14. Other Noncompliance. The Permittee shall report to the Department 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 permit condition I.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 the Department, or whenever the Permittee becomes aware of circumstances which require a modification or clarification of any fact or representation made to the Department in connection with a permit application, it shall promptly submit such facts or information to the Department.

16. Act 108 of 1988.

- a. In accordance with Section 304 of Act 108 of 1988, the Permittee shall provide written notice on a form provided by the Department to landowners with private water supplies within 2500 feet of the commercial hazardous waste storage and treatment of the availability of a water testing program. If the landowner requests in writing the water-testing program, the Permittee shall have and pay for quarterly sampling and analysis conducted of those private water supplies used by these persons for drinking water. Sampling and analysis shall be conducted by a laboratory certified to the Pennsylvania Safe Drinking Water Act, selected under the terms of Section 304.
- b. In accordance with Section 304 of Act 108 of 1988, the Permittee will allow certified municipal inspectors to enter the property, inspect records, take samples and conduct inspections, both accompanied and unaccompanied by representatives of the Department.
- c. In accordance with Section 306 and 307 of Act 108 of 1988, unless otherwise agreed to in writing by the host municipality, the Permittee shall pay to the host municipality \$1.00 per ton of weighed hazardous waste or \$1.00 per three cubic yards of volume measured hazardous waste for all hazardous waste received at the treatment facility. The fee shall be paid on or before the twentieth day of April, July, October and January for three months ending the last day of March, June, September and December. The quarterly fee shall be accompanied by a quarterly report form prepared and furnished by the Department and completed by the Permittee. The report shall state the weight or volume of hazardous waste received by the facility during the prior quarter and shall be signed by the Permittee's representative. A copy of the report shall be sent to the Department at the same time that the fee and form are sent to the host municipality. The Permittee shall pay interest and penalties as set forth in Sections 308(a and b) of Act 108 of 1988 for failure to make payments on a timely basis.

I. COMPLIANCE SCHEDULE

1. The Permittee shall maintain an information repository to comply with 25 Pa. Code 270a.84.
2. The Permittee must comply with Air Quality Permit no. 54-00062.

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 EPA practices (Test Methods for Evaluating Solid Waste: Physical/Chemical Methods SW-846, most recent edition) or equivalent methods approved by the Department 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.

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 3. 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 5. 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 Procedures to Prevent Hazards, Attachment 3 and Contingency 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 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 as shown on the plans and specifications, Attachment 2.

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 Procedures to Prevent Hazards, Attachment 3, and Contingency Plan, Attachment 4, and follow the emergency procedures described by 25 Pa. Code 264a.56 and 40 CFR 264.56 (a) – (j) 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 40 CFR 264a.56 and 40 CFR 264.56(a-j).

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 annual report requirements 25 Pa Code 264a.75 and 40 CFR 264.75.
3. Required Reports. The Permittee shall comply with all applicable reporting requirements as described in Part I, Sections E, F, H.7, H.9, H.10, H.13, H.14, H.15, and Part II, Sections G.2 and L of this permit.

I. CLOSURE

1. Performance Standard. The Permittee shall close the facility as required by 40 CFR 264.111 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 the Department 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

1. Annual Adjustment. The Permittee shall adjust the 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 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 collateral bond submitted to and approved by the Department as required by 40 CFR 264.143. See Attachment 7. The Permittee shall comply with all applicable bond requirements of 25 Pa. Code 264a.

L. LIABILITY INSURANCE

The Permittee shall comply with the liability insurance and documentation requirements of 40 CFR 264.147(a). 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. See Attachment 7.

M. REQUIRED NOTICES

1. Notice to The Department. The Permittee shall notify the Department 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 permit condition II.H.1).

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

The Permittee shall not accept ignitable, reactive or incompatible waste.

O. MANIFEST SYSTEM

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

PART III - STORAGE/TREATMENT IN TANKS WITHIN A CONTAINEMENT BUILDING

A. WASTE IDENTIFICATION

The Permittee may store/treat the following hazardous waste in tanks, subject to the terms of this permit:

a. leach reactors

Tank No(s).	Hazardous Waste No.	
L1	F006, F007	D002, D004
L2	F008, F009	D005, D006
	F019	D007, D008, D009
		D010, D011

b. precipitation reactors

Tank No(s).	Hazardous Waste No.	
P1	F006, F007	D002, D004
P2	F008, F009	D005, D006
P3	F019	D007, D008, D009
P4		D010, D011

B. The Permittee shall not store hazardous 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 Process Information, Attachment 2. The Permittee shall maintain the minimum shell thickness specified below at all times to ensure sufficient structural strength.

<u>Tank No(s).</u>	<u>Minimum Shell Thickness (Inches)</u>
a. <u>L1</u>	<u>0.25 in.</u>
b. <u>L2</u>	<u>0.25 in.</u>
c. <u>P1</u>	<u>0.75 in. sides, 1.0 in. base</u>
d. <u>P2</u>	<u>0.75 in. sides, 1.0 in. base</u>
e. <u>P3</u>	<u>0.75 in. sides, 1.0 in. base</u>
f. <u>P4</u>	<u>0.75 in. sides, 1.0 in. base</u>

D. PROTECTION FROM OVERFILLING

The Permittee shall prevent overfilling of tanks by the methods specified in Procedures to Prevent Hazards, Attachment 3 and summarized below.

	<u>Tank No(s).</u>	<u>Type of Control</u>
a.	<u>L1</u>	<u>Peak volume alarm</u>
b.	<u>L2</u>	<u>Peak volume alarm</u>
c.	<u>P1</u>	<u>Peak volume alarm</u>
d.	<u>P2</u>	<u>Peak volume alarm</u>
e.	<u>P3</u>	<u>Peak volume alarm</u>
f.	<u>P4</u>	<u>Peak volume alarm</u>

E. SECONDARY CONTAINMENT

The Permittee shall construct and/or maintain the containment structure as required by 40 CFR 264.194(b) and the attached plans and specifications, Attachment 2.

F. EMERGENCY REPAIRS; CONTINGENCY PLAN

1. The Permittee shall conduct preventive inspections and shall inspect the tanks in accordance with the Process Information, Attachment 2, whenever there is any indication of a possible failure.
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 Procedures to Prevent Hazards, Attachment 3
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. 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.

H. 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.

I. TREATMENT OF WASTES IN TANKS

The Permittee shall conduct all treatment operations in accordance with the procedures in Attachment 2

J. PROTECTION FROM CORROSION

The Permittee shall protect tanks from accelerated corrosion, erosion, and abrasion as specified in Attachment 2 and summarized below.

	<u>Tank No(s).</u>	<u>Type of Protection</u>
a.	<u>L1</u>	<u>Stainless steel</u>
b.	<u>L2</u>	<u>Stainless steel w/ Fiberglass liner</u>
c.	<u>P1</u>	<u>Fiberglass</u>
d.	<u>P2</u>	<u>Fiberglass</u>
e.	<u>P3</u>	<u>Fiberglass</u>
f.	<u>P4</u>	<u>Fiberglass</u>

K. SPECIAL REQUIREMENTS FOR IGNITABLE OR REACTIVE WASTES

The Permittee shall not place ignitable or reactive waste into the tanks.

L. INCOMPATIBLE WASTE

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.

M. 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 (permit condition II.H.1).

N. WEIGHING OR MEASURING FACILITIES

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

O. 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.

P. CLOSURE

Closure must be implemented in accordance with 25 PA Code 264a.115, Part II Condition I of this permit and the closure plan, Attachment 6.

PART IV – CHEMICAL AND PHYSICAL TREATMENT WITHIN A CONTAINMENT BUILDING

(3 filter presses for filtering/dewatering, 1 mixing for the compounding/blending industrial system, 2 thermal concentration units for the pyrometallurgical industrial system, 1 shredding/size reduction unit)

A. WASTE IDENTIFICATION

The Permittee may treat the following hazardous wastes in facilities listed below, subject to the terms of this permit:

<u>Facility #</u>	<u>Operation Description</u>	<u>Hazardous Waste Codes</u>
Thermal concentrator 1	See Process Information Attachment 2	F006, F007, F008, F009, F019, D002, D004, D005, D006, D007, D008, D009, D010, D011
Thermal concentrator 2	See Process Information Attachment 2	F006, F007, F008, F009, F019, D002, D004, D005, D006, D007, D008, D009, D010, D011
Mixer	See Process Information Attachment 2	F006, F007, F008, F009, F019, D002, D004, D005, D006, D007, D008, D009, D010, D011
Shredding and Size reduction unit	See Process Information Attachment 2	F006, F007, F008, F009, F019, D002, D004, D005, D006, D007, D008, D009, D010, D011
Filter press 1	See Process Information Attachment 2	F006, F007, F008, F009, F019, D002, D004, D005, D006, D007, D008, D009, D010, D011
Filter press 2	See Process Information Attachment 2	F006, F007, F008, F009, F019, D002, D004, D005, D006, D007, D008, D009, D010, D011
Filter press 3	See Process Information Attachment 2	F006, F007, F008, F009, F019, D002, D004, D005, D006, D007, D008, D009, D010, D011

B. GENERAL OPERATING REQUIREMENTS

- Units must be located, designed, constructed, operated, maintained, and closed in a manner that will ensure protection of human health and the environment according to 40CFR 264.601 and the Process Information, Attachment 2.
- In order to comply with Part IV Condition B.1, the Permittee must demonstrate that the materials reclaimed in the units meet the requirements and factors stated in 40 CFR 260.31(c) (1-6).

C. CLOSURE

Closure must be implemented in accordance with 25 PA Code 264a.115, Part II Condition I of this permit and the Closure plan, Attachment 6.

**PART V – RECEIVING, INSPECTION AND SAMPLING RECEPTACLES (RISR)
WITHIN A CONTAINMENT BUILDING**

A. WASTE IDENTIFICATION

The Permittee may store the following hazardous wastes in RISRs, subject to the terms of this permit:

<u>RISR #</u>	<u>Operation Description</u>	<u>Hazardous Waste Codes</u>
1	See Process Information Attachment 2	F006, F007, F008, F009, F019, F019. D002, D004, D005, D006, D007, D008 D009, D010, D011

B. DURATION OF STORAGE

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

C. DESIGN AND OPERATING REQUIREMENTS

The Permittee shall operate and maintain the holding facilities as specified in Process Information, Attachment 2

D. EXEMPTION FROM GROUNDWATER PROTECTION REQUIREMENTS

1. The Permittee shall design and construct the RISR to be inside or under a protective structure which prevents generation of run-off or leachate or surface water run-on, controls dispersal of wastes by wind, and is underlined by an impermeable membrane as required by 40 CFR 264.250(c) and as specified in the attached plans and specifications, Attachment 2.
2. The Permittee shall not store liquids or materials containing free liquids in the RISR. Further, no wastes shall be placed in the pile if leachate would be generated as a result of decomposition or other reactions.

E. EMERGENCY REPAIRS; CONTINGENCY PLAN

1. The Permittee shall inspect the liner system in accordance with the RISR evaluation and repair plan, Attachment 4, whenever there is any indication of a possible failure as required by 40 CFR 264.253.
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 RISR from service as required by 40 CFR 264.253(b). The Permittee also shall immediately implement the procedures required by 40 CFR 264.253(b) and specified in the Procedures to Prevent Hazards, Attachment 3.
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 264.19(d).
4. If a RISR 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 264.253(b)(4).

F. INCOMPATIBLE WASTES

1. The Permittee shall not place incompatible wastes or incompatible wastes and materials in the same waste RISR. Further, waste shall be separated from any nearby incompatible material as required by 40 CFR 264.257. (a) and (b).
2. The Permittee shall not place hazardous wastes on the same RISR base where incompatible wastes or materials were previously piled, as required by 40 CFR 264.257(c).

G. IGNITABLE OR REACTIVE WASTE

The Permittee shall not place ignitable or reactive wastes in a RISR.

H. CLOSURE

Closure must be implemented in accordance with 25 PA Code 264a.115, Part II Condition I of this permit and the closure plan, Attachment 6.

PART VI – CONTAINMENT BUILDING

A. WASTE IDENTIFICATION

The Permittee may contain the following industrial units and store the following hazardous wastes in a containment building, subject to the terms of this permit: For the containment building boundaries see Process Information, Attachment 2.

<u>Industrial units</u>	<u>Solid Waste Management unit</u>	<u>Waste I.D.</u>
2 leach and 4 precipitation reactors	storage/treatment in tanks	F006, F007, F008, F009, F019 D002, D004, D005, D006, D007 D008, D009, D010, D011 Residual waste
2 thermal concentrators	physical treatment	F006, F007, F008, F009, F019 D002, D004, D005, D006, D007 D008, D009, D010, D011 Residual waste
1 mixing unit	physical treatment	F006, F007, F008, F009, F019 D002, D004, D005, D006, D007 D008, D009, D010, D011 Residual waste
3 filter presses	physical treatment	F006, F007, F008, F009, F019 D002, D004, D005, D006, D007 D008, D009, D010, D011 Residual waste
1 receiving, inspection and Sampling receptacle	receiving/inspection sampling	F006, F007, F008, F009, F019 D002, D004, D005, D006, D007 D008, D009, D010, D011 Residual waste
1 Shredding/size reduction Unit	physical treatment	F006, F007, F008, F009, F019 D002, D004, D005, D006, D007 D008, D009, D010, D011 Residual waste

B. DESIGN AND OPERATING REQUIREMENTS

The Permittee shall operate a containment building in a manner consistent with that described in the Process Information, Attachment 2, as required by 25 Pa. Code 264a.1101 and 40 CFR 264.170.

C. CLOSURE

The containment building shall be closed in accordance with 40 CFR 264.1102, Part II Condition I of this permit and the Closure Plan, Attachment 6.