



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 5  
77 WEST JACKSON BOULEVARD  
CHICAGO, IL 60604-3590

REPLY TO THE ATTENTION OF:

December 2, 2009

L-8J

**CERTIFIED MAIL 7001 0320 0005 8915 6845**  
**RETURN RECEIPT REQUESTED**

Mr. Doug Harris  
Veolia ES Technical Solutions, L.L.C.  
Trade Waste Incineration Facility  
#7 Mobile Avenue  
Sauget, Illinois 62201

Re: Final Federal Permit  
Veolia ES Technical Solutions, L.L.C.  
ILD 098 642 424

Dear Mr. Harris:

Enclosed is a copy of the Federal portion of a Resource Conservation and Recovery Act (RCRA) Hazardous Waste permit for the above-referenced facility. The complete RCRA Hazardous Waste permit contains both Federal permit conditions (contained herein) and State permit conditions, which were issued separately by the State of Illinois RCRA program authorized under RCRA Section 3006, 42 U.S.C. Section § 6926, and Title 40 of the Code of Federal Regulations (40 CFR) Part 271. Any hazardous waste activity not included in the Federal portion of the RCRA permit or in the State portion of the RCRA permit is prohibited when such activity requires a RCRA Hazardous Waste permit.

Eligibility to appeal the Federal permit is discussed further in 40 CFR §124.19. General filing requirements are contained in the Practice Manual, and the Environmental Appeals Board and A Citizens' Guide to EPA's Environmental Appeals Board.

All documents that are sent through the U.S. Postal Service (except by Express Mail) must be addressed as follows:

U.S. Environmental Protection Agency  
Clerk of the Board, Environmental Appeals Board (MC-1103B)  
Ariel Rios Building  
1200 Pennsylvania Avenue, N.W.  
Washington, D.C. 20460-0001

Documents that are hand-carried in person, delivered via courier, mailed by Express Mail, or delivered by a non-U.S. Postal Service carrier (e.g., Federal Express or UPS) must be delivered to:

U.S. Environmental Protection Agency  
Clerk of the Board, Environmental Appeals Board  
Colorado Building  
1341 G Street, N.W., Suite 600  
Washington, D.C. 20005

A copy of the petition should also be sent to:

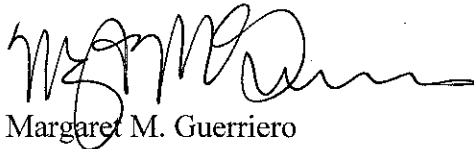
RCRA Branch (LR-8J)  
U.S. EPA Region 5  
77 West Jackson Boulevard  
Chicago, Illinois 60604

The procedures for filing an appeal are found in 40 CFR § 124.19. The administrative appeal procedures must be completed prior to any action seeking judicial review.

This Federal permit is effective January 6, 2010 and valid until December 2, 2019, unless the Federal permit is revoked and reissued, or terminated pursuant to 40 CFR § 270.41 and § 270.43. Failure to comply with any conditions of the Federal permit may result in civil and/or criminal penalties.

If you have any questions concerning this permit, please contact James Blough of my staff, at (312) 886-2967.

Sincerely,



Margaret M. Guerriero  
Director Land and Chemicals Division

Enclosures

cc: Ms. Mary Reiegle, IEPA

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 5

RESOURCE CONSERVATION AND RECOVERY ACT (RCRA) PERMIT

**Facility Name and Location:** Veolia ES Technical Solutions, L.L.C.  
7 Mobile Avenue  
Sauget, Illinois 62201

**Owner(s):** Veolia ES Technical Solutions, L.L.C.  
700 East Butterfield Road  
Lomard, Illinois 60148

**Operator(s):** Veolia ES Technical Solutions, L.L.C.  
700 East Butterfield Road  
Lomard, Illinois 60148

**U.S. EPA Identification Number:** ILD 098 642 424

**Effective Date:** January 6, 2010

**Expiration Date:** December 2, 2019

**Authorized Activities:**

The United States Environmental Protection Agency (U.S. EPA) hereby issues a Resource Conservation and Recovery Act (RCRA) permit (hereinafter referred to as the permit) to Veolia ES Technical Solutions, L.L.C. (formerly known as Onyx Environmental Services, L.L.C.) (hereinafter referred to as the "Permittee" or addressed in the second person as "you") in connection with the hazardous waste storage and treatment activities at 7 Mobile Avenue, Sauget, Illinois.

This permit is issued under the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act of 1976, and the Hazardous and Solid Waste Amendments (HSWA) of 1984 (42 USC § 6901 *et seq.*) (collectively referred to as RCRA) and U.S. EPA's regulations promulgated there under (codified, and to be codified, in Title 40 of the Code of Federal Regulations (40 CFR)).

Specifically, this permit addresses: (1) certain restrictions and prohibitions on land disposal of hazardous wastes in accordance with 40 CFR Part 268; (2) other Federal RCRA regulations for which the State has not yet been authorized; (3) air emissions standards for tanks, containers, and miscellaneous units under 40 CFR Part 264, Subpart X in accordance with 40 CFR § 264.1080 *et seq.* (40 CFR Part 264, Subpart CC).

The RCRA permit is comprised of both this permit, which contains the effective Federal RCRA permit conditions, and the effective State RCRA license conditions issued by the State of Illinois RCRA program authorized under 40 CFR Part 271 (hereinafter called the "State-issued portion of the RCRA permit"). Any hazardous waste activity not covered by the permit is prohibited when such activity requires a RCRA permit.

### **Permit Approval:**

On January 31, 1986, the State of Illinois received final authorization pursuant to Section 3006 of RCRA, 42 USC § 6926, and 40 CFR Part 271, to administer the pre-HSWA RCRA hazardous waste program. The State of Illinois has also received final authorization to administer certain additional RCRA requirements on several occasions since then. However, because the U.S. EPA has not yet authorized the State of Illinois to administer certain regulations, including the air emission standards for tanks, containers and miscellaneous units handling hazardous wastes (see 40 CFR § 264.1080 *et seq.*, also known as "Subpart CC") and recent changes to other sections of applicable regulations, U.S. EPA, Region 5 is issuing the RCRA permit requirements for operations at the Permittee's facility which fall under these regulations.

You must comply with all terms and conditions contained in this permit. This permit consists of all the conditions contained herein, all documents attached hereto and all documents cross-referenced in these documents, approved submittals (including plans, schedules and other documents), and the applicable regulations contained in 40 CFR Parts 124, 260, 261, 262, 264, 268, 270, and applicable provisions of RCRA (hereinafter referred to as the permit).

This permit is based on the assumptions that: (1) the information submitted in the Permittee's RCRA updated permit application dated November 6, 1997, and all other modifications to that application (hereinafter referred to as the "Application") are accurate, and (2) the facility is configured, operated and maintained as specified in the permit, and as described in the Application.

Any inaccuracies in the submitted information may be grounds for U.S. EPA to terminate, revoke and reissue, or modify this permit in accordance with 40 CFR §§ 270.41, 270.42 and 270.43; and for enforcement action. You must inform U.S. EPA of any deviation from, or changes in, the information in the Application that might affect your ability to comply with the applicable regulations or conditions of this permit.

**Opportunity to Appeal:**

Petitions for review must be submitted within 30 days after the U.S. EPA serves notice of the final permit decision. Any person who filed comments on the draft permit or participated in the public hearing may petition the Environmental Appeals Board to review any condition of the permit decision. Any person who failed to file comments or failed to participate in the public hearing on the draft permit may file a petition for review only to the extent of the changes from the draft to the final permit decision. The procedures for permit appeals are found in 40 CFR § 124.19.

**Effective Date:**

This permit is effective as of January 6, 2010 and will remain in effect until December 2, 2019, unless revoked and reissued under 40 CFR § 270.41, terminated under 40 CFR § 270.43, or continued in accordance with 40 CFR § 270.51(a).

By:



Margaret M. Guerriero  
Director Land and Chemicals Division

Date December 2, 2009

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## SECTION I - STANDARD PERMIT CONDITIONS

### I.A EFFECT OF PERMIT

This permit contains the federal permit conditions. The Permittee also needs a State RCRA permit. You are hereby allowed to manage hazardous waste in accordance with both permits. Under this permit, the storage and treatment of RCRA hazardous waste must comply with all air emission standards and all other terms and conditions in this permit. (Other aspects of the storage and treatment of RCRA hazardous wastes in containers, tanks, miscellaneous units, etc., are subject to the conditions in the state-issued portion of the RCRA permit.) Any hazardous waste activity not covered by this permit or the state RCRA permit is prohibited when such activity requires a RCRA permit.

Subject to 40 CFR § 270.4, compliance with the RCRA permit during its term constitutes compliance for purposes of enforcement with Subtitle C of RCRA except for those requirements not included in the permit which: (1) become effective by statute; (2) are promulgated under 40 CFR Part 268 restricting the placement of hazardous waste in or on the land; (3) are promulgated under 40 CFR Part 264 regarding leak detection systems; or (4) promulgated under subparts AA, BB, or CC of 40 CFR Part 265 limiting air emissions. (40 CFR § 270.4)

This permit does not: (1) convey any property rights or any exclusive privilege; (2) authorize any injury to persons or property, or invasion of other private rights; or (3) authorize any infringement of state or local law or regulations. Compliance with the terms of this permit does not constitute a defense to any order issued, or any action brought, under: (1) Sections 3008(a), 3008(h), 3013, or 7003 of RCRA; (2) Sections 104, 106(a), or 107 of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980, 42 USC §§ 9601 *et seq.* (commonly known as CERCLA); or (3) any other law protecting public health or the environment.

### I.B PERMIT ACTIONS

#### I.B.1 Permit Review, Modification, Revocation and Reissuance, and Termination

The U.S. EPA may review and modify, revoke and reissue, or terminate this permit for cause, as specified in 40 CFR § 270.41, § 270.42, and § 270.43. The U.S. EPA may also review and modify this permit, consistent with 40 CFR § 270.41, to include any terms and conditions it determines are necessary to protect human health and the environment under Section 3005(c)(3) of RCRA. The filing of a request for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance on your part will not stay the applicability or enforceability of any permit condition.



You must not perform any construction associated with a Class 3 permit modification request until such modification request is granted and the modification becomes effective. You may perform construction associated with a Class 2 permit modification request beginning 60 days after submission of the request unless the Director establishes a later date. (40 CFR § 270.42(b)(8))

### **I.B.2 Permit Renewal**

This permit may be renewed as specified in 40 CFR § 270.30(b) and Condition I.E.2 of this permit. In reviewing any application for a permit renewal, the U.S. EPA will consider improvements in the state of control and measurement technology, and changes in applicable regulations. (40 CFR § 270.30(b) and RCRA Section 3005(c)(3))

## **I.C SEVERABILITY**

This permit's provisions are severable; if any permit provision, or the application of any permit provision to any circumstance, is held invalid, such provision's application to other circumstances and the remainder of this permit will not be affected. Invalidation of any statutory or regulatory provision on which any condition of this permit is based does not affect the validity of any other statutory or regulatory basis for that condition. (40 CFR § 124.16(a))

## **I.D DEFINITIONS**

The terms used in this permit will have the same meaning as in 40 CFR Parts 124, 260 through 266, 268, and 270, unless this permit specifically provides otherwise. Where neither the regulations nor the permit define a term, the term's definition will be the standard dictionary definition or its generally accepted scientific or industrial meaning.

## **I.E DUTIES AND REQUIREMENTS**

### **1.E.1 Duty to Comply**

You must comply with all conditions of this permit, except to the extent and for the duration for which an emergency permit authorizes such noncompliance (see 40 CFR § 270.61). Any permit noncompliance, except under the terms of an emergency permit, constitutes a violation of RCRA and will be grounds for: enforcement action; permit termination, revocation and reissuance; or modification; or denial of a permit renewal application. (40 CFR § 270.30(a))

### **I.E.2 Duty to Reapply**

If you wish to continue the permit regulated activities after the expiration date, you must apply for and obtain a new permit. You must submit a complete application for a new permit at least 180 days before the permit expiration date, unless the Director grants permission for a later submittal date. The Director will not grant permission to submit the complete application for a new permit later than the permit's expiration date. (40 CFR § 270.10(h) and § 270.30(b))

### **I.E.3 Permit Expiration**

Unless revoked or terminated, this permit and all conditions herein will be effective for a fixed term not to exceed 10 years from this permit's effective date. This permit and all conditions herein will remain in effect beyond the permit's expiration date if you have submitted a timely, complete application for renewal (40 CFR § 270.10 and §§ 270.13 through 270.29), and, through no fault of your own, the Director has not made a final determination regarding permit reissuance. (40 CFR §§ 270.50, and 270.51)

### **I.E.4 Need to Halt or Reduce Activity Not a Defense**

In an enforcement action, you are not entitled to a defense that it would have been necessary to halt or reduce the permitted activity to maintain compliance with this permit. (40 CFR § 270.30(c))

### **I.E.5 Duty to Mitigate**

In the event of noncompliance with this permit, you must take all reasonable steps to minimize releases to the environment resulting from the noncompliance and must implement all reasonable measures to prevent significant adverse impacts on human health or the environment. (40 CFR § 270.30(d))

### **I.E.6 Proper Operation and Maintenance**

You must always properly operate and maintain all facilities and treatment and control systems (and related appurtenances) that you install or use to comply with this permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance/quality control procedures. This provision requires you to operate back-up or auxiliary facilities or similar systems only when necessary to comply with this permit. (40 CFR § 270.30(e))

**I.E.7 Duty to Provide Information**

You must provide the Director, within a reasonable time, any relevant information that the Director requests to determine whether there is cause to modify, revoke and reissue, or terminate this permit, or to determine permit compliance. You must also provide the Director, upon request, with copies of any records this permit requires. The information you must maintain under this permit is not subject to the Paperwork Reduction Act of 1980, 44 USC §§ 3501 *et seq.* (40 CFR §§ 264.74(a) and 270.30(h))

**I.E.8 Inspection and Entry**

Upon the presentation of credentials and other legally required documents, you must allow the Director or an authorized representative to:

**I.E.8.a** Enter at reasonable times upon your premises where a regulated activity is located or conducted, or where records must be kept under the conditions of this permit (40 CFR § 270.30(i));

**I.E.8.b** Have access to and copy, at reasonable times, any records that you must keep under the conditions of this permit;

**I.E.8.c** Inspect, at reasonable times, any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and

**I.E.8.d** Sample or monitor any substances at any location at reasonable times, to ensure permit compliance or as RCRA otherwise authorizes.

Notwithstanding any provision of this permit, U.S. EPA retains the inspection and access authority which it has under RCRA and other applicable laws.

**I.E.9 Monitoring and Records**

**I.E.9.a** Samples and measurements taken for monitoring purposes must be representative of the monitored activity. The methods used to obtain a representative sample of the wastes, contaminated media, treatment residue, or other waste to be analyzed must be the appropriate methods from Appendix I of 40 CFR Part 261, or the methods specified in the State-approved waste analysis plan, or an equivalent method approved by the Director. Laboratory methods must be those specified in *Test Methods for Evaluating Solid Waste: Physical/Chemical Methods* (SW-846, latest edition), *Methods for Chemical Analysis of Water and Wastes* (EPA 600/4-79-020), or an equivalent method, as specified in the referenced waste analysis plan. (40 CFR § 270.30(j)(1))

**I.E.9.b** You must retain, at the facility, all records as specified in 40 CFR § 264.74.

**I.E.9.c** You must submit all monitoring results at the intervals specified in this permit.

**I.E.9.d** You must retain all reports, records, or other documents, required by this permit, and 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 reports, records, or other documents, unless a different period is specified in this permit. The 3-year period may be extended by request of the Director at any time and is automatically extended during the course of any unresolved enforcement action regarding this facility. (40 CFR §§ 270.30(j) and 270.31))

#### **I.E.10 Reporting Planned Changes**

You must notify the Director promptly of any planned physical alterations or additions to the permitted facility. (40 CFR § 270.30(l)(1))

#### **I.E.11 Reporting Anticipated Noncompliance**

You must notify the Director, in advance, of any planned changes in the permitted facility or activity that may result in permit noncompliance. Advance notice will not constitute a defense for any noncompliance. (40 CFR § 270.30(l)(2))

#### **I.E.12 Certification of Construction**

You must not operate any RCRA air emission control devices completed after the effective date of this permit until you have submitted to the Director, by certified mail or hand-delivery, a letter signed both by your authorized representative and by a registered professional engineer. That letter must state that the portions of the facility covered by this permit (including all air emission control devices required by this permit) have been constructed in compliance with the applicable conditions of this permit. In addition, you must not operate the permitted control devices until either:

**I.E.12a** The Director or his/her representative has inspected those portions of the facility and finds them in compliance with the conditions of the permit; or

**I.E.12b** The Director waives inspection and the Permittee may commence treatment, storage, or disposal of hazardous waste in accordance with 40 CFR § 270.30(l)(2)(ii)(B).

**I.E.13 Transfer of Permits**

This permit is not transferable to any person, except after notice to the Director. Under 40 CFR § 270.40, the Director may require permit modification, or revocation and reissuance to change the Permittee's name and incorporate other RCRA requirements. Before transferring ownership or operation of the facility during its operating life, you must notify the new owner or operator in writing of the requirements of this permit and the requirements of 40 CFR Parts 264, 268, and 270. (40 CFR §§ 264.12(c), 270.30(1)(3), and 270.40(a))

**I.E.14 Twenty-Four Hour Reporting**

**I.E.14.a** You must report to the Director any noncompliance with this permit that may endanger human health or the environment. Any such information must be promptly reported orally, but no later than 24 hours after you become aware of the noncompliances.

**I.E.14.b** The report must include the following information (40 CFR §§ 270.30(1)(6) and 270.33): (1) release of any hazardous waste that may endanger public drinking water supplies; (2) release or discharge of hazardous waste; or (3) fire or explosion from the hazardous waste management facility, which could threaten the environment or human health outside the facility. You must include the following information:

- (1) Name, title and telephone number of the person making the report;
- (2) Name, address and telephone number of the facility;
- (3) Name, address and telephone number of the owner and/or operator;
- (4) Date, time and type of incident;
- (5) Location and cause of incident;
- (6) Identification and quantity of material(s) involved;
- (7) Extent of injuries, if any;
- (8) Assessment of actual or potential hazards to the environment and human health outside the facility, where applicable;
- (9) Description of any emergency action taken to minimize the threat to human health and the environment; and
- (10) Estimated quantity and disposition of recovered material that resulted from the incident.

**I.E.14.c** In addition to the oral notification required under Conditions I.E.14.a and I.E.14.b of this permit, a written report must also be provided within 5 calendar days after you become aware of the circumstances. The written report must include, but is not limited to, the following:

- (1) Name, address and telephone number of the person reporting;

- (2) Incident description (noncompliance and/or release or discharge of hazardous waste), including cause, location, extent of injuries, if any, and an assessment of actual or potential hazards to the environment and human health outside the facility, where applicable;
- (3) Period(s) in which the incident (noncompliance and/or release or discharge of hazardous waste) occurred, including exact dates and times;
- (4) Whether the incident's results continue to threaten human health and the environment, which will depend on whether the noncompliance has been corrected and/or the release or discharge of hazardous waste has been adequately cleaned up; and
- (5) If the noncompliance has not been corrected, the anticipated period for which it is expected to continue, and the steps taken or planned to reduce, eliminate, and prevent the recurrence of the noncompliance.

The Director may waive the requirement that written notice be provided within 5 calendar days; however, you will then be required to submit a written report within 15 calendar days of the day on which you must provide oral notice, in accordance with Conditions I.E.14.a and I.E.14.b of this permit. (40 CFR § 270.30(1)(6))

#### **I.E.15 Other Noncompliance**

You must report all instances of noncompliance not reported under Condition I.E.14 of this permit, when any other permit required reports are submitted. The reports must contain the information listed in Condition I.E.14. (40 CFR § 270.30(1)(10))

#### **I.E.16 Other Information**

**I.E.16.a** Whenever you become aware that you failed to submit or otherwise omitted any relevant facts in the permit application or other submittal, or submitted incorrect information in the permit application or other submittal, you must promptly notify the Director of any incorrect information or previously omitted information, submit the correct facts or information, and explain in writing the circumstances of the incomplete or inaccurate submittal. (40 CFR § 270.30(1)(11))

**I.E.16.b** All other requirements contained in 40 CFR § 270.30 not specifically described in this permit are incorporated into this permit and you must comply with all those requirements.

**I.F SIGNATORY REQUIREMENT**

You must sign and certify all applications, reports, or information this permit requires, or which are otherwise submitted to the Director, in accordance with 40 CFR § 270.11. (40 CFR § 270.30(k))

**I.G REPORTS, NOTIFICATIONS AND SUBMITTALS TO THE DIRECTOR**

Except as otherwise specified in this permit, all reports, notifications, or other submittals that this permit requires to be submitted to the Director should be sent by certified mail or hand-delivered to the U.S. Environmental Protection Agency, Region 5, at the following address:

RCRA Branch, LR-8J  
Land and Chemicals Division  
U.S. EPA, Region 5  
77 West Jackson Boulevard  
Chicago, Illinois 60604

**I.H CONFIDENTIAL INFORMATION**

In accordance with 40 CFR Part 2 Subpart B, you may claim any information this permit requires, or is otherwise submitted to the Director, as confidential. You must assert any such claim at the time of submittal in the manner prescribed on the application form or instructions, or, in the case of other submittals, by stamping the words "Confidential Business Information" on each page containing such information. If you made no claim at the time of submittal, the Director may make the information available to the public without further notice. If you assert a claim, the information will be treated in accordance with the procedures in 40 CFR Part 2. (40 CFR § 270.12)

**I.I DOCUMENTS TO BE MAINTAINED AT THE FACILITY**

You must maintain at the facility, until closure is completed and certified by an independent registered professional engineer, the following documents and all amendments, revisions, and modifications to them.

**I.I.1 Operating Record**

You must maintain in the facility's operating record the documents required by this permit, and by the applicable portions of 40 CFR §§ 264.1035, 1064, 1084, 1088, 1089 and 40 CFR § 264.73 (as they apply to the equipment used to comply with this permit).

### **I.I.2 Notifications**

You must maintain notifications from generators accompanying initial incoming shipments of wastes subject to 40 CFR Part 268 Subpart C, that specify treatment standards, as required by 40 CFR §§ 264.73, 268.7, and this permit.

### **I.I.3 Copy of Permit**

You must keep a copy of this permit on site, including all the documents listed in any attachments, and you must update it as necessary to incorporate any official permit modifications.

## **I.J ATTACHMENTS AND DOCUMENTS INCORPORATED BY REFERENCE**

**I.J.1** All attachments and documents that this permit requires to be submitted, if any, including all plans and schedules are, upon the Director's approval, incorporated into this permit by reference and become an enforceable part of this permit. Since required items are essential elements of this permit, failure to submit any of the required items or submission of inadequate or insufficient information may subject you to enforcement action under Section 3008 of RCRA. This action may include fines, or permit suspension or revocation.

**I.J.2** This permit also includes the documents attached hereto, all documents cross-referenced in these documents, and the applicable regulations contained in 40 CFR Parts 124, 260, 261, 262, 264, 268, 270, and the applicable provisions of RCRA, all of which are incorporated herein by reference.

**I.J.3** Any inconsistency or deviation from the approved designs, plans and schedules is permit noncompliance. The Director may grant written requests for extensions of due dates for submittals required in this permit.

**I.J.4** If the Director determines that actions beyond those provided for, or changes to what is stated herein, are warranted, the Director may modify this permit according to procedures in Condition I.B of this permit.

**I.J.5** If any documents attached to this permit are found to conflict with any of the Conditions in this permit, the Condition will take precedence.

## **I.K COORDINATION WITH THE CLEAN AIR ACT**

You must fully comply with all applicable Clean Air Act (CAA) and RCRA permit limits. Where two or more operating limitations apply, the most stringent operating limitations will take precedence.



## **SECTION II -- LAND DISPOSAL RESTRICTIONS (40 CFR PART 268)**

### **II.A GENERAL CONDITIONS**

**II.A.1** You must comply with all the applicable self-implementing requirements of 40 CFR Part 268 and all applicable land disposal requirements which became effective by statute and have not been authorized to the State for management in lieu of the federal programs. (42 U.S.C. § 6924)

**II.A.2** A mixture of any restricted waste with non-restricted waste(s) is a restricted waste under 40 CFR Part 268.

**II.A.3** Except as expressly allowed under 40 CFR Part 268, you must not in any way dilute a restricted waste or the residual from treatment of a restricted waste as a substitute for adequate treatment to achieve compliance with 40 CFR Part 268, Subpart D, to circumvent the effective date of a prohibition in 40 CFR Part 268, Subpart C, to otherwise avoid a prohibition in 40 CFR Part 268, Subpart C, or to circumvent a land disposal prohibition imposed by Section 3004 of RCRA.

**II.A.4** You must maintain a current list of the EPA hazardous waste numbers handled by the facility that are identified in 40 CFR Part 268, Subparts B and C. The list must include all waste numbers handled by the facility, and any associated treatment standards, and shall be updated through the inclusion of new treatment standards, as promulgated or amended. This list must be provided to the U.S. EPA representatives, or their designees, upon request.

### **II.B. TESTING AND RELATED REQUIREMENTS**

**II.B.1** In accordance with 40 CFR § 268.7(a), you must test any waste generated at the facility, or use knowledge of the waste, to determine if the waste is restricted from land disposal.

**II.B.2** You must comply with all applicable treatment standards provided in 40 CFR Part 268, Subpart D.

**II.B.3** You must comply with all the applicable notification, certification, and recordkeeping requirements described in 40 CFR § 268.7(a) and (b).

### **II.C STORAGE PROHIBITIONS**

**II.C.1** You must comply with all the applicable prohibitions on storage of restricted wastes specified in 40 CFR Part 268, Subpart E.

**II.C.2** Except as otherwise provided in 40 CFR § 268.50, you may store restricted wastes in tanks and containers solely for the purpose of the accumulation of such quantities of hazardous wastes as necessary to facilitate proper recovery, treatment, or disposal provided that:

**II.C.2.a** Each container is clearly marked to identify its contents and the date each period of accumulation begins; and

**II.C.2.b** Each tank is clearly marked with a description of its contents, the quantity of each hazardous waste received, and the date each period of accumulation begins, or such information for each tank is recorded and maintained in the operating record at the facility.

**II.C.3** You may store restricted wastes for up to 1 year unless the U.S. EPA or its authorized agent can demonstrate that such storage was not solely for the purpose of accumulating such quantities of hazardous waste as are necessary to facilitate proper recovery, treatment, or disposal. (40 CFR § 268.50(b))

**II.C.4** Pursuant to 40 CFR § 268.50(c) and (f), you may store restricted wastes beyond 1 year; however, you bear the burden of proving that such storage was solely for the purpose of accumulating such quantities of hazardous waste as are necessary to facilitate proper recover, treatment or disposal.

**II.C.5** You must not store any liquid hazardous waste containing polychlorinated biphenyls (PCBs) at concentrations greater than or equal to 50 ppm unless the waste is stored in a storage facility that meets the requirements of 40 CFR § 761.65(b). This waste must be removed from storage and treated or disposed as required by 40 CFR Part 268 within 1 year of the date when such wastes are first put into storage. (40 CFR § 268.50(f))

## **II.D BLENDING OF METAL WASTES**

You must not dilute metal-bearing wastes (listed in Appendix XI of 40 CFR Part 268), if the diluted waste will be used as fuel in any RCRA permitted combustion facility, unless you have demonstrated that the diluted waste complies with one or more of the criteria specified in 40 CFR § 268.3(c).

## SECTION III -- OTHER FEDERAL RCRA REQUIREMENTS

### III.A ADDITIONAL HAZARDOUS WASTE NUMBERS

**III.A.1** In addition to the hazardous waste numbers listed in the State-issued portion of the RCRA permit, you may handle the following hazardous wastes K169, K170, K171, K172, K174, and K175, which were promulgated under HSWA, in accordance with the applicable requirements of both the State-issued and Federally issued portions of the RCRA Permit.

## SECTION IV -- AIR EMISSIONS STANDARDS (40 CFR Part 264, Subpart CC)

### IV.A GENERAL

**IV.A.1** If a hazardous waste management unit is equipped with and operating air emission controls in accordance with the requirements of an applicable Clean Air Act regulation under 40 CFR Part 60, 61, or 63, you may elect to exempt the unit from regulation under Section IV of this permit if you provide a certification that the hazardous waste management unit is equipped with and operating air emission controls in accordance with such requirements. Such certification must be renewed annually and shall specify the regulations under 40 CFR Part 60, 61, or 63 that require the air emission controls. (40 CFR § 264.1080(b)(7))

**IV.A.1.a** As required by 40 CFR § 264.1089(j), you must retain at the facility for each such unit a copy of the current certification. Such certification must be provided to U.S. EPA's representative or designee upon request. These documents shall be retained in the manner and for the period specified in 40 CFR § 264.1089(a).

**IV.A.1.b** If the tank is one for which the air emission control includes an enclosure, the tank must be in compliance with the requirements of 40 CFR § 264.1084(i) or § 264.1082(c)(5).

**IV.A.2** Each tank or container in which hazardous wastes are placed must comply with the terms and conditions of this Section IV, unless you make the election in, and satisfy all the requirements of, Condition IV.A.1 above for the tank, container, closed vent system or control device.

**IV.A.3** You must comply with the terms and conditions of this Section IV for any tank, container, closed vent system or control device, notwithstanding any election and certification under Condition IV.A.1 above, in the following circumstances:

**IV.A.3.a** the regulation under 40 CFR Part 60, 61, or 63 on which the election and certification under Condition IV.A.1 depend is no longer applicable to the tank or container; or

**IV.A.3.b** the regulation under 40 CFR Part 60, 61, or 63 on which the election and certification under Condition IV.A.1 depend, although applicable to the tank or container, does not or no longer requires that air emissions from the tank or container be controlled.

When either condition in Condition IV.A.3.a or IV.A.3.b occurs, you must immediately comply with the terms and conditions of this Section IV for such tank, container, closed vent system or control device, and continue compliance until neither condition in Condition IV.A.3.a or IV.A.3.b applies for the tank or container and the conditions in Condition IV.A.I are again satisfied.

## **IV.B WASTE DETERMINATION**

**IV.B.1** You must determine the average volatile organic (VO) concentration of:  
(1) generated hazardous waste at the point of origination, and (2) treated hazardous waste, in accordance with the procedures specified in 40 CFR § 264.1083.

**IV.B.2** You must determine the maximum organic vapor pressure of a hazardous waste in a tank as specified in 40 CFR §§ 264.1084(c) and 265.1084(c)(2) through (c)(4).

**IV.B.3** The procedure for determining no detectable organic emissions must be conducted in accordance with 40 CFR § 265.1084(d).

## **IV.C TANKS**

### **IV.C.1 General**

**IV.C.1.a** You must control air pollutant emissions from each hazardous waste storage tank in accordance with standards specified in 40 CFR §§ 264.1080 through 1082, 264.1084 and 264.1087 through 264.1090, except as specifically provided otherwise in this permit. The tanks used for storage of hazardous waste must be designed, constructed, and maintained consistent with applicable industrial standards to ensure their integrity and safety.

**IV.C.1.b** You are authorized to store hazardous wastes with an average VO concentration at the point of origination of equal or greater than 500 ppmw in the tanks as described in the Part B Application in accordance with the provisions of this permit.

#### **IV.C.2. Air Emission Control Requirements**

(1) The hazardous waste tanks must meet the Level 2 tank standards as stipulated under 40 CFR §§ 264.1084(d)(3) and 264.1084(g)(1) through (3), including but not limited to the requirements to inspect and monitor the air emission equipment for the tank and keep records of the inspections. You must comply with the requirements of 40 CFR § 264.1084(j). You must comply with the applicable requirements of 40 CFR §§ 264.1088, 264.1089, and 264.1090 for such tanks.

(2) All tanks must meet the industrial standards established for such tanks by the American Society of Mechanical Engineers (ASME), American Petroleum Institute (API), or other equivalent standards.

#### **IV.C.3 Bulk Solid Storage Tanks**

**IV.C.3.a** Hazardous solid wastes delivered to the Bulk Solid Storage Tanks must be placed within the storage pits based on design factors such as angle of repose to prevent overflow. Hazardous wastes that are spilled or tracked inside the enclosure must be collected and stored in the pits or managed in accordance with the state-issued permit.

**IV.C.3.b** No hazardous wastes containing free liquids (as defined in 40 CFR § 260.10) or treated with free liquids may be stored in the Bulk Solid Storage Tanks. The presence of free liquids is determined by the paint filter test (40 CFR § 264.314, SW-846 Method 9095B), a visual examination, or other appropriate means.

**IV.C.3.c** The tanks must be located inside an enclosure and vented to a control device (the incinerator and/or carbon adsorption system) meeting the requirements of 40 CFR Part 61, Subpart FF - National Emission Standards for Benzene Waste Operations for a facility at which the total annual benzene quantity from the facility waste is equal to or greater than 10 megagrams per year, as specified in 40 CFR § 264.1082(c)(5). The enclosure and control devices must have been installed and commenced operating before November 25, 1996.

**IV.C.3.d** The enclosure must be designed and operated in accordance with the criteria for a permanent total enclosure as specified in "Procedure T - Criteria for and verification of a Permanent or Temporary Total Enclosure" under 40 CFR § 52.741, Appendix B. (40 CFR § 264.1082(c)(5))

**IV.C.3.e** You must perform the verification procedure for the enclosure as specified in Section 5.0 to "Procedure T - Criteria for and Verification of a Permanent or Temporary Total Enclosure" annually.

**IV.C.3.f** You must meet the requirements of 40 CFR §§ 264.1088 through 1090 for the Bulk Solid Storage Tanks.

## **IV.D CONTAINERS**

### **IV.D.1 Requirements for Level 1 Container Standards**

Except as specified in Conditions IV.D.2 and IV.D.4 below, you must manage hazardous waste placed in containers having a design capacity greater than 0.1 m<sup>3</sup> in accordance with the Container Level 1 standards, as stipulated under 40 CFR § 264.1086(c). A level 1 container must:

**IV.D.1.a** meet the applicable U.S. Department of Transportation (DOT) regulations as specified in 40 CFR § 264.1086(f),

**IV.D.1.b** be equipped with a cover and closure devices with an acceptable tightness and construction materials in accordance with 40 CFR § 264.1086(c)(1)(ii), or

**IV.D.1.c** be an open-top container with organic vapor suppressing barrier to prevent hazardous waste from being exposed to the atmosphere as specified in 40 CFR § 264.1086(c)(1)(iii).

Containers that do not meet the DOT regulations as specified in 40 CFR § 264.1086(f) must be equipped with covers and closure devices suitable for the physical and chemical characteristics of hazardous waste in containers, for maintaining container integrity throughout the life of the container, and for the environments under which the containers are placed in the storage facility. Any chemical used for vapor suppression must not generate heat and/or fume and must be compatible with the hazardous waste in the container. Vapor suppression chemicals must act as an acceptable and stable barrier to the hazardous waste, thus preventing release of VO into the environment. The barrier shall not chemically react to the hazardous waste. (40 CFR § 264.1086(c)(2))

**IV.D.1.d** All covers and closure devices must be in the closed position whenever hazardous waste is in a container. Opening of a closure device or cover is allowed if it meets the purposes and operates as provided in 40 CFR § 264.1086(c)(3)(i) through (v).

**IV.D.1.e** You must inspect and repair the containers and their covers and closure devices in accordance with 40 CFR § 264.1086(c)(4).

**IV.D.1.f** For any container with a capacity of 0.46 m<sup>3</sup> or greater that you are managing under the Level 1 container standards in the Condition IV.D.1 and that does not meet the requirements in Condition IV.D.1.a above, you must maintain at the facility a copy of the procedure that you used to determine that the container is not managing hazardous waste in "light material service," as defined in 40 CFR §§ 264.1081 and 265.1081. (40 CFR § 264.1086(c)(5))

#### **IV.D.2 Requirements for Level 2 Container Standards**

**IV.D.2.a** Containers with a design capacity greater than 0.46 m<sup>3</sup> (122 gallons) and in light material service as defined in 40 CFR § 265.1081 must be managed in accordance with Container Level 2 standards as stipulated under 40 CFR § 264.1086(d). A Level 2 container must:

- (1) meet the applicable U.S. Department of Transportation (DOT) regulations as specified in 40 CFR § 264.1086(f),
- (2) operate with no detectable organic emissions as defined in 40 CFR § 265.1081 and determined in accordance with the procedure specified in 40 CFR § 264.1086(g), or
- (3) be vapor tight as demonstrated within the preceding 12 months by using 40 CFR Part 60, Appendix A, Method 27 in accordance with the procedures specified in 40 CFR § 264.1086(h). (40 CFR § 1086(d)(1)(iii))

**IV.D.2.b** Transfer of hazardous waste in or out of a container must be conducted using an engineered method generally accepted and practiced by the industry, or its equivalent method to minimize the release of organics into the atmosphere. (40 CFR § 264.1086(d)(2))

**IV.D.2.c** All covers and closure devices must be in closed position whenever hazardous waste is in a container. Opening of a closure device or cover is allowed if it meets the purposes and operates as provided in 40 CFR § 264.1086(d)(3)(i) through (v).

**IV.D.2.d** You must inspect and repair the containers and their covers and closure devices in accordance with 40 CFR § 1086(d)(4).

**IV.D.3** You must meet the applicable requirements of 40 CFR §§ 264.1088 through 264.1090 for containers described in Conditions IV.D.1 and IV.D.2.

**IV.D.4** You are not authorized to treat any hazardous waste in any container whose design capacity is greater than 0.1 m<sup>3</sup> by waste stabilization process.

## **IV.E CLOSED-VENT SYSTEM AND CONTROL DEVICES**

**IV.E.1** Closed-vent Systems and control devices shall comply with the requirements in 40 CFR §§ 264.1087 and 264.1033.

**IV.E.2** You must demonstrate compliance with the minimum 95% removal efficiency of the total organic content of the inlet vapor stream vented to the carbon adsorption system. The planned routine maintenance of the carbon adsorption system, during which the 95% removal efficiency cannot be met, shall not exceed 240 hours per year.  
(40 CFR 264.1087((c))

**IV.E.3** The carbon adsorption system shall have a minimum removal efficiency of 95% in accordance with 40 CFR § 264.1033(c).

**IV.E.4** The carbon adsorption system shall be inspected and monitored in accordance with 40 CFR § 264.1088 by detector devices (e.g., flame ionization, photoionization, infrared adsorption) that meet the requirements specified in 40 CFR Part 60, Appendix A, Method 21.

**IV.E.5** After the carbon adsorption system beds are spent, the spent carbon must be treated and or disposed of in a RCRA permitted TSD facility. All carbon removed from the control devices shall be handled as a hazardous waste.

**IV.E.6** The closed vent system shall not include any bypass devices that could be used to divert the gas or vapor stream to the atmosphere before entering the control device.

## **IV.F REQUIREMENTS FOR MISCELLANEOUS UNITS (40 CFR Part 264, Subpart X)**

### **IV.F.1 Operations of Drum and Labpack Glove Boxes**

The drum and labpack glove boxes must be maintained and operated as follows:

**IV.F.1.a** The glove box system shall consist of a material handling conveyor, an enclosed glove box, an enclosed labpack glove box, inert gas system for reduction of oxygen concentration as practiced by the industry, an induced draft (ID) fan, and a flame arrestor. The ID fan must have an adequate capacity and discharge head (static pressure) to induce air through the exhaust hood and the glove box. The ID fan discharge must be incinerated in the permitted on-site incinerator (Unit No. 3).

**IV.F.1.b** The drum and labpack glove boxes must be operated under: (1) ventilation mode with the ID fan on and the air intakes opened, or (2) inerting mode, with reduced oxygen concentration when the ID fan is off and the air intakes are closed.



**IV.F.1.c** Under the ventilation mode or inerting mode, the globe box must be maintained at a slightly negative pressure and monitored through a pressure indicator.

**IV.F.1.d.** Under the inerting mode, the glove box must be filled with an inert gas or gases to maintain an oxygen deficient condition of less than 5 % oxygen and monitored for its oxygen concentration through an oxygen analyzer. The drum and/or labpack glove box shall not be operated under the ventilation or inerting mode when Unit No. 3 incinerator is down.

**IV.F.1.e** You must have a standard operating procedures in place to prevent any hazards which may result from the operations of the drum glove box.

#### **IV.G CONTAINERS AND TANKS EXEMPT FROM SUBPART CC CONTROL STANDARDS**

**IV.G.1** Under this permit, you must demonstrate by direct measurement or approved method that for each container or tank you claim to be exempt under Subpart CC, the average VO concentration for hazardous waste, determined in accordance with 40 CFR §§ 264.1083(a) and 265.1084(a)(2) and (3), is less than 500 ppmw.

**IV.G.2** For each tank or container, you must review and update this determination in accordance with 40 CFR § 264.1082(c)(1) at least once every 12 months following the date of the initial determination. For each container or tank, you must prepare and maintain the records described in 40 CFR § 264.1089(f). These records must be maintained as part of the operating record.

#### **IV.H RECORDKEEPING AND REPORTING REQUIREMENTS**

The Permittee shall comply with all applicable recordkeeping and reporting requirements described in 40 CFR § 264.1089 and § 264.1090.