

SECTION I—STANDARD PERMIT CONDITIONS

I.A EFFECT OF PERMIT

You are hereby allowed to manage hazardous waste at the Spring Grove Resource Recovery, Inc. (facility) in accordance with this permit. Under this permit, your storage of RCRA hazardous waste must be in compliance with all terms and conditions in this permit. Other aspects of your treatment of RCRA hazardous wastes are subject to the conditions in the state-issued portion of the RCRA permit. Any hazardous waste activity which requires a RCRA permit and is not included either in this permit or the state RCRA permit, is prohibited.

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 for new and replacement surface impoundment, waste pile, and landfill units, and lateral expansions of the same; or (4) are promulgated under subpart AA 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 (40 CFR § 270.30(g)); (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 human health, welfare, or the environment.

I.B PERMIT ACTIONS

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

EPA may review, modify, or revoke and reissue this permit, or terminate it for cause, as specified in 40 CFR §§ 270.41, 270.42, and 270.43. 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. (40 CFR § 270.30(f))

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)) (Pursuant to Chapter 8-6 of the Region 5 Delegation Manual, the authority assigned to the Regional Administrator as Director under 40 CFR § 270.42(b)(8) has been delegated to the Division Director of the Land and Chemicals Division of the EPA, Region 5. Thus, for the purposes of this permit, the term Director shall refer to the Division Director of EPA Region 5's Land and Chemicals Division.)

I.B.2 Permit Renewal

This permit may be renewed as specified in 40 CFR § 270.30(b) and Section I.E.2 of this permit. In reviewing any application for a permit renewal, the 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 (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; 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 Approximately ten 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 (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 promptly 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 (40 CFR § 270.30(i)):

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;

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, 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 three 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 as soon as possible of any planned physical alterations or additions to the permitted facility. (40 CFR § 270.30(1)(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(1)(2))

I.E.12 Certification of Construction

Subject to the requirements of 40 CFR §§ 270.32(b)(2) and 270.42 Appendix I, 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.12.a 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.12.b The Director waives inspection and you may commence treatment, storage, or disposal of hazardous waste in accordance with 40 CFR § 270.30(1)(2)(ii)(B).

I.E.13 Transfer of Permits

This permit is not transferable to any person, except after notice to the Director. You must inform the Director and obtain prior approval of the Director before transferring ownership or operational control of the facility (40 CFR § 270.42, Appendix I). Under 40 CFR § 270.40, the Director may require permit modification, or revocation and reissuance to change your name and incorporate other RCRA requirements. Before transferring ownership or operation of the facility during its operating life, you must notify the Director and obtain prior approval and 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 and/or other situations 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 noncompliance.

I.E.14.b Your report must include any information (40 CFR §§ 270.30(1)(6) and 270.33) concerning: (1) the release of any hazardous waste that may endanger public drinking water supplies; (2) the release or discharge of hazardous waste; or (3) fire or explosion from the hazardous waste management facility, that could threaten the environment or human health outside the facility. In addition, you must provide a description of the occurrence and its cause that includes 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 owner 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 Sections 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 relevant 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 which you must provide oral notice, in accordance with Sections 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 Section I.E.14 of this permit, when any other reports this permit requires are submitted. The reports must contain the information listed in Section 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 of 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 sent or given to the Director should be sent by certified mail or express mail, or hand-delivered to the following address:

U.S. Environmental Protection Agency
Land and Chemicals Division
RCRA Branch, LR-8J
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) You have the burden of substantiating that the claimed information is confidential, and EPA may request further information from you regarding such claim, and may determine which such information to treat as confidential.

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, 264.1064, 264.1084, 264.1088, 264.1089 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 shipment 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 at the facility, 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 an 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 any approved designs, plans or schedules constitutes 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 Section 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 the RCRA requirements contained in this permit. This permit does not include the requirements imposed by the Clean Air Act.

SECTION II -- AIR EMISSION STANDARDS FOR EQUIPMENT LEAKS (40 CFR PART 264 SUBPART BB)

II.A EQUIPMENT LEAKS

II.A.1 Applicable Equipment

You must comply with all applicable requirements of 40 CFR § 264.1050 through 40 CFR § 264.1065, regarding air emission standards for equipment leaks. The applicable equipment contains or contacts hazardous waste with organic concentrations of at least
10

percent by weight. The equipment for managing hazardous waste at this facility is considered as “in light liquid service” as defined in 40 CFR § 264.1031. Some pieces of equipment contact a hazardous waste stream that is considered as “in gas/vapor service” as defined in 40 CFR § 264.1031. The applicable equipment includes, but is not limited to, (1) pumps, (2) valves, (3) pressure relief devices, (4) flanges and other connectors, (5) sampling connection systems, (6) open-ended valves or lines, and (7) closed-vent systems and control devices.

II.A.2 Pumps in Light Liquid Service (40 CFR § 264.1052)

II.A.2.a Each pump in light liquid service must be monitored monthly to detect leaks by the methods specified in 40 CFR § 264.1063(b), except: when each pump is (1) equipped with dual mechanical seal system satisfying the requirements of 40 CFR § 264.1052(d), (2) designated, as described in 40 CFR § 264.1064(g)(2), for no detectable emissions, as indicated by an instrument reading of less than 500 parts per million (ppm) above background, and meeting the requirements of 40 CFR § 264.1052(e), or (3) equipped with a closed vent system complying with the requirements of 40 CFR § 264.1052(f).

II.A.2.b Each pump shall be checked by visual inspection each calendar week for seal leaks.

II.A.2.c A leak is detected if: (1) an instrument reading of 10,000 ppm or greater is measured, or (2) there is an indication of liquid dripping from the pump seal.

II.A.2.d When a leak is detected, it shall be repaired as soon as practicable, but not later than 15 calendar days after it is detected, except as provided in 40 CFR § 264.1059. The first attempt at repair must be made no later than 5-calendar days after each leak is detected.

II.A.3 Pressure Relief Devices in Gas/Vapor Services (40 CFR § 264.1054)

II.A.3.a Each pressure relief device in gas/vapor service shall be operated with “no detectable emissions” (defined for purposes of this Section II.A.3 of this permit as an instrument reading of less than 500 ppm above background, as measured by the method specified in 40 CFR § 264.1063(c)), except during pressure releases.

II.A.3.b After each pressure release, the pressure release device shall be returned to a condition of no detectable emissions, as soon as practicable, but no later than 5 calendar days after each pressure release except as provided in 40 CFR § 264.1059.

II.A.3.c No later than 5-calendar days after the pressure release, the pressure relief device shall be monitored to confirm the condition of no detectable emissions.

II.A.4 Sampling Connection Systems (40 CFR § 264.1055)

Each sampling connection system, except *in-situ* sampling systems and sampling systems without purges, shall be equipped with a closed-purge, closed-loop, or closed-vent system which meets one of the following requirements:

II.A.4.a Return the purged process fluid directly to the process line;

II.A.4.b Collect and recycle the purged process fluid; or

II.A.4.c Be designed and operated to capture and transport all the purged process fluid to a waste management unit that complies with applicable sections of 40 CFR § 264.1084 through § 264.1086 or a control device that complies with 40 CFR § 264.1060.

II.A.5 Open-Ended Valves or Lines (40 CFR § 264.1056)

II.A.5.a Each open-ended valve or line must be equipped with a: (1) cap, (2) blind flange, (3) plug, or (4) second valve, which seals the open end at all times except during operations requiring hazardous waste stream flow through the open-ended valve or line.

II.A.5.b Each open-ended valve or line equipped with a second valve shall be operated in a manner such that the valve on the hazardous waste stream end is closed before the second valve is closed.

II.A.5.c When a double block and bleed system is used, the bleed valve or line may remain open during operations that require venting the line between the block valves but shall seal the open end at all other times.

II.A.6 Valves in Gas/Vapor Service or in Light Liquid Service (40 CFR § 264.1057)

II.A.6.a Each valve in gas/vapor or light liquid service shall be monitored monthly to detect leaks in accordance with 40 CFR § 264.1057(a) and (c), except as provided in 40 CFR § 264.1057(f), (g), and (h).

II.A.6.b If an instrument reading of 10,000 ppm or greater is measured, a leak is detected.

II.A.6.c When a leak is detected, it shall be repaired as soon as practicable, but no later than 15-calendar days after the leak is detected in accordance with 40 CFR § 264.1057(d) and (e). The first attempt at repair must be made no later than 5-calendar days after each leak is detected.

II.A.7 Pressure Relief Devices in Light Liquid Service, and Flanges and Other Connectors (40 CFR § 264.1058)

II.A.7.a Pressure relief devices in light liquid service and flanges and other connectors must be monitored within five days by the method specified in 40 CFR

§ 264.1063(b) if evidence of a potential leak is found by visual, audible, olfactory, or any other detection method. If an instrument reading of 10,000 ppm or greater is measured, a leak is detected.

II.A.7.b When a leak is detected, you must repair the leak as soon as practicable, but not later than 15-calendar days after it is detected, except as provided in 40 CFR § 264.1059. The first attempt at repair shall be made no later than 5-calendar days after each leak is detected.

II.A.7.c First attempts at repair include, but are limited to, the best practices described under 40 CFR § 264.1057(e).

II.A.8 Delay of Repair (40 CFR § 264.1059)

II.A.8.a Delay of repair of equipment for which leaks have been detected will be allowed if: (1) the repair is technically infeasible without a hazardous waste management unit shutdown; or (2) the equipment is isolated from the hazardous waste management unit and does not continue to contain or contact hazardous waste with organic concentrations at least 10 percent by weight.

II.A.8.b Delay of repair for valves will be allowed if: (1) emissions of purged material resulting from immediate repair are greater than the emissions likely to result from delay of repair; and (2) when repair procedures are effected, the purged material is collected and destroyed or recovered in a control device complying with 40 CFR § 264.1060.

II.A.8.c Delay of repair for pumps will be allowed if: (1) repair requires the use of a dual mechanical seal system that includes a barrier fluid system; and (2) repair is completed as soon as practicable, but not later than six months after the leak was detected.

II.A.8.d Delay of repair beyond a hazardous waste management unit shutdown will be allowed for a valve only if it meets the provisions of 40 CFR § 264.1059(e).

II.A.9 Closed-Vent Systems and Control Devices (40 CFR § 264.1060)

Closed-vent systems and control devices shall comply with the provisions of 40 CFR §§ 264.1033 and 264.1060.

II.A.10 Alternative Standards for Valves in Gas/Vapor Service or in Light Liquid Service: Percentage of Valves Allowed to Leak (40 CFR § 264.1061)

You may elect to have all valves within a hazardous waste management unit comply with an alternative standard that allows no greater than 2 percent of the valves to leak if the provisions of 40 CFR §§ 264.1061(b) and (c) are met. You must notify the Director in writing, if you decide to discontinue the election of the alternative standards, that the work practice standards described in 40 CFR §§ 264.1057(a) through (e) will be followed; and comply with them.

II.A.11 Alternative Standards for Valves in Gas/Vapor Service or in Light Liquid Service: Skip Period Leak Detection and Repair (40 CFR § 264.1062)

You may elect for all valves subject to the requirements of 40 CFR § 264.1057 and Section II.A.6 of this permit within a hazardous waste management unit to comply with one of the alternative work practices specified below. You must notify the Director before implementing one of the alternative work practices.

II.A.11.a After 2 consecutive quarterly leak detection periods with the percentage of valves leaking equal to or less than 2 percent, you may begin to skip one of the quarterly leak detection periods for the valves.

II.A.11.b After 5 consecutive quarterly leak detection periods with the percentage of valves leaking equal to or less than 2 percent, you may begin to skip 3 of the quarterly leak detection periods for the valves.

You must monitor valve leaks monthly in accordance with 40 CFR § 264.1057, if the percentage of valves leaking is greater than 2 percent, but you may again elect to use the alternative standards after meeting the requirements of 40 CFR § 264.1057(c)(1).

II.B TEST METHODS AND PROCEDURES (40 CFR § 264.1063)

You must comply with the test methods and procedures of 40 CFR § 264.1063.

**II.C RECORDKEEPING AND REPORTING REQUIREMENTS
(40 CFR §§ 264.1064 and 264.1065)**

You must comply with the recordkeeping and reporting requirements of 40 CFR § 264.1064 and 264.1065.

**SECTION III – AIR EMISSION STANDARDS FOR TANKS AND CONTAINERS
(40 CFR PART 264 SUBPART CC)**

The State RCRA permit permits you to store hazardous wastes in eight (8) tanks (Tank 5, 6, 7, 8, 9, and 10, Dispersion tank, and Overflow tank). The total capacity of the eight tanks is 75,450 gallons (Tanks 5 and 6: 7,000 gallons each, Tanks 7 through 10: 15,000 gallons each, Dispersion tank: 1,200 gallons, and Overflow tank: 250 gallons).

Dispersion Tank and Overflow tank are located in an enclosed room of Building F. In the enclosed room, there is a drum scrapping auger unit to scrape the contents of the drums by an auger mechanism. The drum scrapping auger includes auger, drum dumping chamber, drum movement chamber, coarse shredder, pump feed chamber, and other ancillary equipment. By the definition of the State RCRA permit, all of these units are considered as a part of the Dispersion tank.

Hazardous waste is also stored in containers in the permitted nine (9) container storage areas. These areas include Building H, Flammables Pad, Building F, Tanker Load/Unload Pad, Building D Pad, Truck Dock Area, High Bay, Container Storage Pad, and Outbound Container Storage Pad. The maximum capacity of the container storage areas is 150,000 gallons (or the equivalent of approximately 2,727 55-gallon drums of hazardous waste).

You must comply with all applicable requirements of 40 CFR § 264.1080 through 40 CFR § 264.1090, regarding air emission standards for containers and tanks handling hazardous waste. All containers and tanks not exempt from 40 CFR Part 264 Subpart CC must be managed using the applicable standards at 40 CFR § 264.1084 and 40 CFR § 264.1086. The tanks and containers permitted in the State RCRA permit, described above, are Level 2 tanks and Level 1 and Level 2 containers and must comply with the standards at 40 CFR § 264.1084(d), Tank Level 2 standards, 40 CFR § 264.1086(c), Container Level 1 standards, and 40 CFR § 264.1086(d), Container Level 2 standards.

The containers for managing hazardous waste at this facility are considered “in light material service” as defined at 40 CFR § 265.1081.

You must not conduct waste stabilization process, as defined in 40 CFR § 265.1081, in containers and tanks which contain hazardous waste with an average volatile organic concentration at the point of waste origination of more than 500 parts per million by weight (ppmw). For the tank or container unit in which you are conducting waste stabilization process, you must review and update, as necessary, at least once every twelve months following the date of the initial determination that the hazardous waste streams entering the unit have less than an average volatile organic concentration at the point of waste origination of less than 500 ppmw using the procedures specified in 40 CFR § 264.1083(a).

III.A CONTAINER LEVEL 1 STANDARDS

You must manage the containers in the container storage areas specified above with a design capacity greater than 0.1 m³ (26 gallons) and less than or equal to 0.46 m³ (119 gallons) with Container Level 1 standards as described at 40 CFR § 264.1086(c). When storing hazardous waste in Level 1 containers you must comply with the following requirements

III.A.1 A Level 1 container must satisfy one of the following requirements (40 CFR § 264.1086(c)(1)):

- (a) meet the applicable Department of Transportation (DOT) regulations as specified in 40 CFR § 264.1086(f),
- (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
- (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, which do not meet DOT regulation specified in 40 CFR § 264.1086(f), must be equipped with covers and closure devices, as applicable to the container, that are composed of suitable materials to minimize exposure of the hazardous waste to the atmosphere and to maintain the equipment integrity, for as long as the container is in service. Factors to be considered in selecting the materials of construction and designing the cover and closure devices shall include: Organic vapor permeability, the effects of any contact with the hazardous waste or its vapor managed in the container; the effects of outdoor exposure of the closure device or cover material to wind, moisture, and sunlight;

and the operating practices for which the container is intended to be used. (40 CFR § 264.1086(c)(2))

III.A.2 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 purpose of and operates as defined in 40 CFR § 264.1086(c)(3)(i) through (v).

III.A.3 You must inspect the containers and their covers and closure devices in accordance with 40 CFR § 264.1086(c)(4)(i) and (ii) and repair defects in accordance with 40 CFR § 264.1086(c)(4)(iii).

III.A.4 You shall not transfer hazardous waste in or out of the containers.

III.B CONTAINER LEVEL 2 STANDARDS

You must manage the containers in the container storage areas specified above with a design capacity greater than 0.46 m³ (119 gallons) with Container Level 2 standards as described at 40 CFR § 264.1086(d). When storing hazardous waste in Level 2 containers you must comply with the following requirements:

III.B.1 A Level 2 container must satisfy one of the following requirements (40 CFR § 264.1086(d)(1)):

- (a) meet the applicable U.S. DOT regulations as specified in 40 CFR § 264.1086(f);
- (b) operates 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
- (c) be vapor tight within the preceding 12 months by using 40 CFR Part 60, Appendix A, Method 27 in accordance with the procedure specified in 40 CFR § 264.1086 (h).

III.B.2 Transfer of hazardous waste in or out of a Level 2 container must be conducted in such a manner as to minimize exposure of the hazardous waste to the atmosphere, as specified by 40 CFR § 264.1086(d)(2).

III.B.3 Whenever a hazardous waste is in a Level 2 container, you must install all covers and closure devices for the container, and secure and maintain each closure device in the closed position except as specified in 40 CFR § 264.1086(d)(3).

III.B.4 You must inspect the Level 2 containers and their covers and closure devices as specified in 40 CFR § 264.1086(d)(4)(i) and (ii). When a defect is detected for the container, cover, or closure devices, you must repair the defect in accordance with 40 CFR § 264.1086(d)(4)(iii).

III.C REQUIREMENTS FOR LEVEL 2 TANKS FOR TANKS 5, 6, 7, 8, AND 10

You shall control the air emissions from Tanks 5, 6, 7, 8, 9, and 10 in accordance with Level 2 requirements at 40 CFR § 264.1084(d) by venting the tanks through closed vent systems to carbon adsorption units designed and operated to recover the organic vapors vented to them with an efficiency of 95 percent or greater by weight. The tanks shall be covered by a fixed roof and vented directly through the closed vent system to a control device in accordance with the following requirements specified in 40 CFR §§ 264.1084(g), (j), (k), and (l):

III.C.1 The fixed roof and its closure devices shall be designed to form a continuous barrier over the entire surface area of the liquid in the tank.
(40 CFR § 264.1084(g)(1)(i))

III.C.2 Each opening in the fixed roof not vented to the control device shall be equipped with a closure device. If the pressure in the vapor headspace underneath the fixed roof is less than atmospheric pressure when the control device is operating, the closure devices shall be designed to operate such that when the closure device is secured in the closed position there are no visible cracks, holes, gaps, or other open spaces in the closure device or between the perimeter of the cover opening and the closure device. If the pressure in the vapor headspace underneath the fixed roof is equal to or greater than atmospheric pressure when the control device is operating, the closure device shall be designed to operate with no detectable organic emissions. (40 CFR § 264.1084(g)(1)(ii))

III.C.3 The fixed roof and its closure devices shall be made of suitable materials that will minimize exposure of the hazardous waste to the atmosphere, to the extent practical, and will maintain the integrity of the fixed roof and closure devices throughout their intended service life. Factors to be considered when selecting the materials for and designing the fixed roof and closure devices shall include: Organic vapor permeability, the effects of any contact with the liquid and its vapor managed in the tank; the effects of outdoor exposure to wind, moisture, and sunlight; and the operating practices used for the tank on which the fixed roof is installed. (40 CFR § 264.1084(g)(1)(iii))

III.C.4 Whenever a hazardous waste is in the tank, the fixed roof shall be installed with each closure device secured in the closed position and the vapor headspace underneath the fixed roof vented to the control device except as provided in 40 CFR § 264.1084(g)(2)(i) and (ii).

III.C.5 You must inspect and monitor the air emission control equipment in accordance

with the requirements specified in 40 CFR §§264.1084(g)(3) and 264.1084(l). In the event that a defect is detected, you shall repair the defect in accordance with 40 CFR § 264.1084(k).

III.C.6 You shall transfer hazardous waste to a tank in accordance with 40 CFR § 264.1084(j).

III.C.7 The closed vent system shall be designed and operated in accordance with the requirements of 40 CFR § 264.1087(b).

III.C.7.a The closed vent systems shall route the gasses, vapors and fumes emitted from the hazardous waste in the tanks to control devices that meet the requirements specified in 40 CFR §264.1087(c):

III.C.7.b The closed vent systems shall be designed and operated in accordance with the requirements specified in 40 CFR §264.1033(k):

(i) each closed vent system shall be designed to operate with no detectable emissions, as indicated by an instrument reading of less than 500 ppm by volume above background as determined by the procedure in 40 CFR § 264.1034(b) and by visual inspections; or

(ii) each closed vent system shall be designed to operate at a pressure below atmospheric pressure. The system shall be equipped with at least one pressure gauge or other pressure measurement device that can be read from a readily accessible location to verify that negative pressure is being maintained in the closed vent system.

III.C.7.c 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.

III.C.7.d The closed vent systems shall be inspected and monitored in accordance with 40 CFR § 264.1033(l).

III.C.8 The control device shall be designed and operated in accordance with the requirements of 40 CFR § 264.1087(c).

III.C.8.a You must demonstrate compliance with the minimum 95 percent by weight removal efficiency of the total organic content of the inlet vapor stream vented to the carbon adsorption system. (40 CFR § 264.1087(c)(1)(i))

III.C.8.b The planned routine maintenance of the carbon adsorption system, during which the 95 percent removal efficiency cannot be met, shall not exceed 240 hours per year. (40 CFR § 264.1087(c)(2)(i))

III.C.8.c You must comply with 40 CFR § 264.1087(c)(2)(ii) through (c)(2)(vi) concerning the planned routine maintenance, control system device malfunction, record keeping, remedial of the malfunctioned device, and other operating requirements.

III.C.8.d You shall replace the existing carbon in the control device with fresh carbon on a regular basis by using one of the following procedures:

(i) The concentration level of the organic compounds in the exhaust vent stream from the carbon adsorption system shall be monitored on a regular schedule. The monitoring frequency shall be daily or at an interval no greater than 20 percent of the time required to consume the total carbon working capacity established as a requirement of 40 CFR § 264.1035(b)(4)(iii)(G), whichever is longer. You shall replace the existing carbon in the control device with fresh carbon immediately when carbon breakthrough is indicated. (40 CFR §§ 264.1087(c)(3)(i) and 264.1033(h)(1))

(ii) The existing carbon shall be replaced with fresh carbon at a regular, predetermined time interval that is less than the design carbon replacement interval established as a requirement of 40 CFR § 264.1035(b)(4)(iii)(G). (40 CFR §§ 264.1087(c)(3)(i) and 264.1033(h)(2))

III.C.8.e All carbon that is removed from the carbon adsorption system after use shall be managed in accordance with the requirements of 40 CFR §§ 264.1087(c)(3)(ii) and 264.1033(n). You shall prepare and maintain records sufficient to demonstrate that the requirements of this provision are satisfied as part of the facility operating record.

III.D REQUIREMENTS FOR LEVEL 2 TANKS FOR DISPERSION AND OVERFLOW TANKS

You shall control air pollutant emissions from Dispersion tank which includes drum scrapping auger, drum dumping chamber, drum movement chamber, coarse shredder, pump feed chamber, and other ancillary equipment, and Overflow tank located in the Building F. The emission control shall consist of: (1) an enclosure housing the Dispersion tank, including a drum scraping auger unit, and its attached doors and openings, (2) a closed vent system, including an exhaust fan with a capacity to maintain a negative

pressure inside the enclosure and ductwork connecting the enclosure to a control device, and (3) a carbon adsorption system functioning as the control device.

III.D.1 The design and operation of drum scraping, the conveyors, and drum dumping and movement chambers shall comply with the following requirements:

III.D.1 a Drum scraping auger shall be designed, operated and maintained in accordance with the operational specifications described in the Part B Permit Application, Sections B and D. The gases, vapors, and fumes emitted from hazardous waste in the enclosure room must be vented by the closed vent system to the carbon adsorption system to be treated.

III.D.2 The enclosure consists of a room (enclosure room) with four walls, a ceiling, a floor, doors, openings, and an empty drum outlet door. The enclosure room shall comply with the following requirements:

III.D.2.a You shall design and operate the enclosure room 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 (Procedure T). You shall perform the verification procedure for the enclosure room as specified in Section 5.0 of such Procedure T annually. The first such test shall be performed within 30 days after the issuance date of this permit. Before you conduct the annual Procedure T test, you shall notify the EPA including a brief description and date of the test, monitoring equipment to be used, calibration and design specification of the monitoring devices, and other related information.

III.D.2.b All access doors or other openings whose areas are not included in determining the total area of natural draft openings (NDOs) under paragraphs 4.1 (with reference to paragraph 3.3) and/or 5.2 of Procedure T shall be kept closed during routine operation of the process. Routine operation of the process includes those times when hazardous waste is present in the enclosure room, when gases, vapors, or fumes from hazardous waste are present in the enclosure room, and/or when the drum scraping auger is in operation. In cases of emergency or malfunction, the doors may be open in such conditions, but only as long as necessary to allow authorized personnel equipped with all necessary safety devices and other equipment, to enter and exit the enclosure room to safely address the emergency or malfunction.

III.D.2.c Each time you perform the verification procedure in Section 5 of Procedure T, you shall prepare written documentation accurately recording all results of the procedure. All such documentation shall be maintained as part of the facility operating record for at least three years.

III.D.3 The closed vent system and carbon adsorption system shall comply with the following requirements:

III.D.3.a The closed vent system shall route the gases, vapors, and fumes emitted from hazardous waste in the enclosure room to the carbon adsorption system.

III.D.3.b The closed vent system and carbon adsorption system (used as a control device) shall comply with the requirements in 40 CFR § 264.1087. The closed vent system shall comply with the requirements of 40 CFR § 264.1033(k)(2).

III.D.3.c The closed vent system and carbon adsorption system shall be operated and negative pressure shall be maintained within the enclosure room at all times when the drum scraping auger is in operation, when hazardous waste is present in the enclosure room, when the drum scraping auger is being loaded, or when vapor from hazardous waste is present in the enclosure room. You shall continue to operate the exhaust fan and closed vent system after waste is no longer present in the enclosure room and after the drum scraping auger has been turned off until all vapors in the enclosure room including back-flow from the compactor have been vented into the vent duct and to the control device. You shall determine the necessary waiting time based on the exhaust fan capacity; the volume of the enclosure room, including the vent duct and auger for back-flow; and other pertinent data of the vapor. You shall document in writing and retrain at the facility such determination and the end results of any associated calculations.

III.D.3.d The carbon adsorption system shall have a minimum removal efficiency of 95 percent by weight in accordance with 40 CFR § 264.1087(c)(1)(i). You shall demonstrate that the carbon adsorption system achieves this performance standard as specified in 40 CFR § 264.1087(c)(5) and (c)(6).

III.D.3.e The concentration level of the organic compounds in the exhaust vent stream from the carbon adsorption system shall be accurately monitored with one of the following frequencies: (a) daily, or (b) an interval that is no greater than 20 percent of the time required to consume the total carbon working capacity established as a requirement of 40 CFR § 264.1035(b)(4)(iii)(G), whichever is longer. The carbon adsorption system shall be monitored by a photoionization detector or other suitable instrument that can detect carbon breakthrough. You shall calibrate, inspect and maintain the monitoring device as necessary to assure proper function and in accordance with the manufacturer's specifications. You shall replace the existing carbon in the control device with fresh carbon immediately when carbon

breakthrough is indicated. (40 CFR §§ 264.1087(c)(3)(i) and 264.1033(h)(1)) You shall maintain a carbon adsorption maintenance log at the site. Such maintenance log shall include, but shall not be limited to, (i) a description of the method of monitoring the concentration level of organic compounds in the exhaust vent stream; (ii) a description of the method of determining carbon breakthrough; (iii) results of the daily monitoring activities; (iv) description of the monitoring device and procedures, along with the manufacturer's specifications; (v) results of calibration, inspection, and maintenance of the monitoring detector; (vi) written documentation of each determination that carbon breakthrough had been achieved and the data on which such determination relied; (vii) the date of each carbon bed replacement, the amount of carbon removed and the amount of carbon added; (viii) for each time carbon is removed from the carbon adsorption system, an adequate description of the method of disposal and/or regeneration of the spent carbons; and (ix) any other inspection and maintenance records. The log shall be maintained as part of the facility operating record.

III.D.3.f All carbon that is removed from the carbon adsorption system after use shall be managed in accordance with the requirements of 40 CFR §§ 264.1087(c)(3)(ii) and 264.1033(n). As part of the facility operating record, you shall prepare and maintain records sufficient to demonstrate that the requirements of this provision are satisfied.

III.D.3.g 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, unless equipped with either a flow indicator or a seal or locking device specified in 40 CFR § 264.1087(b)(3).

III.D.3.h The vent system shall have an exhaust fan with a sufficient capacity to maintain a negative pressure inside the enclosure room. You shall determine an appropriate minimum fan capacity determined from a written design analysis or from a performance test. You shall maintain such a minimum fan capacity while the drum scraping auger is in operation. In addition, you shall maintain as part of the facility operating records either the written design analysis, or a written performance test plan and all test results.

III.D.3.i You shall inspect, monitor, and maintain the closed vent system in accordance with 40 CFR §§ 264.1087(b)(4), 264.1033(l), and 264.1087(c)(7). You shall inspect, monitor, and maintain the carbon adsorption system in accordance with the requirements in 40 CFR § 1087(c)(7). You shall develop and implement a written plan and schedule to perform the inspections and monitoring required by this paragraph. You shall incorporate this plan and schedule into any inspection plan required by the State RCRA permit. (40 CFR § 264.1088).

III.D.4 You shall repair each defect detected during an inspection performed in accordance with Section III.D.3.i, according to requirements specified in 40 CFR § 264.1084(k) and 40 CFR § 264.1087(c)(7).

III.E RECORDKEEPING AND REPORTING REQUIREMENTS

III.E.1 You must prepare and maintain records for the drum scraping auger and its ancillary equipment in the same manner as required for tanks under 40 CFR § 264.1089, including but not limited to 40 CFR § 264.1089(a), 264.1089(b)(1) and 264.1089(b)(2)(iv). You must prepare and maintain records for the enclosure room (functioning as an enclosure as described in 40 CFR § 264.1084(i)), the closed vent system, and the carbon adsorption system in the manner described in 40 CFR § 264.1089, including 40 CFR §§ 264.1089(a), 264.1089(b)(2)(iv), and 264.1089(e).

III.E.2 You must comply with all reporting requirements for the carbon adsorption system under 40 CFR § 264.1090(c) and (d). Such reports shall be sent to the EPA (at the address specified in Section I.G). You must also report to the EPA (at the address specified in Section I.G) each occurrence when hazardous waste is managed in the drum scraping auger and its ancillary equipment or in the enclosure room in noncompliance with the conditions specified in Section III.D of this permit, in the manner specified in 40 CFR § 264.1090(b).

III.E.3 For container storage areas, tanks 5, 6, 7, 8, 9, 10, and Overflow, you must comply with all applicable recordkeeping and reporting requirements described in 40 CFR §§ 264.1089 and 264.1090.