SECTION I—STANDARD PERMIT CONDITIONS

I.A EFFECT OF PERMIT

You are hereby allowed to manage hazardous waste at The Lubrizol Corporation (facility) in accordance with this permit. Under this permit, the operation of units storing RCRA hazardous waste must comply with all terms and conditions in this permit. Other aspects of the storage of RCRA hazardous wastes in containers are subject to the conditions in the State RCRA permit.

Subject to 40 C.F.R. § 270.4, compliance with the RCRA permit during its term generally constitutes compliance, for purposes of enforcement, with Subtitle C of RCRA.

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 U.S.C. §§ 9601 *et seq.* (commonly known as CERCLA); or 3) any other law protecting public health or the environment from any imminent and substantial endangerment to human health, welfare, or the environment.
(40 C.F.R. §§ 270.4 and 270.30(g))

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 C.F.R. §§ 270.41, 270.42, and 270.43. EPA may also review and modify this permit, consistent with 40 C.F.R. § 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 C.F.R. § 270.30(f))

You may request a modification of this permit under the procedures specified in 40 C.F.R. § 270.42. A class 1 modification is generally allowed without prior approval by EPA except under certain conditions as described in 40 C.F.R. § 270.42(a)(2).
A class 2 modification requires prior approval by EPA as described in 40 C.F.R. § 270.42(b).
However, 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 under 40 C.F.R. § 270.42(b)(8). Procedures for a class 3 modification are specified in 40 C.F.R. § 270.42(c). 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. (40 C.F.R. §§ 270.42(b)(8) and 270.42(c))

I.B.2 Permit Renewal

This permit may be renewed as specified in 40 C.F.R. § 270.30(b) and Section I.E.2 of this permit. In reviewing any application for a permit renewal, EPA will consider improvements in the state of control and measurement technology, and changes in applicable regulations. (40 C.F.R. § 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 C.F.R. § 124.16(a))

I.D DEFINITIONS

The terms used in this permit will have the same meaning as in 40 C.F.R. 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 C.F.R. § 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 C.F.R. § 270.30(a))

I.E.2 Duty to Reapply

If you wish to continue an activity this permit regulates after its 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 expires, unless the Director grants permission for a later date. The Director will not grant permission to submit the complete application
for a new permit later than the permit's expiration date. (40 C.F.R. §§ 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 five years from this permit's effective date. This permit and all conditions in it will remain in effect beyond the permit's expiration date if you have submitted a timely, complete application (40 C.F.R. § 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 C.F.R. §§ 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 C.F.R. § 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 C.F.R. § 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 C.F.R. § 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 1995, 44 U.S.C. §§ 3501 *et seq.* (40 C.F.R. §§ 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;

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 assure 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. (40 C.F.R. § 270.30(i))

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 feed streams, treatment residues, or other hazardous wastes to be analyzed must be the appropriate methods from Appendix I of 40 C.F.R. Part 261, or the methods specified in the Part B Permit Application, 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 Characteristics. (40 C.F.R. § 270.30(j)(1))

I.E.9.b You must retain, at the facility, records of all monitoring information as specified in 40 C.F.R. § 264.74.

I.E.9.c 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. These periods may be extended by request of the Director at any time and are automatically extended during the course of any unresolved enforcement action regarding this facility. (40 C.F.R. §§ 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 C.F.R. § 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 C.F.R. § 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 have been constructed in compliance with the applicable conditions of this permit. In addition, you must not operate the permitted control devices until either: (40 C.F.R. § 270.30(l)(2))

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 the inspection.

I.E.13 Transfer of Permits

This permit is not transferable to any person, except after notice to the Director. Under 40 C.F.R. § 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 new owner or operator in writing of the requirements of 40 C.F.R. Parts 264, 266, 268, and 270, and must provide a copy of the RCRA permit to the new owner or operator. (40 C.F.R. §§ 264.12(c), 270.30(l)(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 circumstances.

I.E.14.b The report must include the following (40 C.F.R. §§ 270.30(l)(6) and 270.33): 1) information concerning release of any hazardous waste that may endanger public drinking water supplies; 2) information of a release or discharge of hazardous waste; or 3) information of a fire or explosion from the hazardous waste management facility, that 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 owner or operator;

(3) Facility name, address and telephone number;

(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 five 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 five 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 Sections I.E.14.a and I.E.14.b of this permit. (40 C.F.R. §§ 270.30(1)(6) and 270.30(h))

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 of this permit.
(40 C.F.R. § 270.30(l)(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 Part B Permit Application or other submittal, or submitted incorrect information in the Part B 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 C.F.R. §§ 270.30(l)(11) and 270.30(h))

I.E.16.b All other requirements contained in 40 C.F.R. § 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 C.F.R. § 270.11. (40 C.F.R. § 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 EPA Region 5, RCRA Branch, 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 C.F.R. Part 2, Subpart B, you may claim any information this permit requires, or 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 C.F.R. Part 2. (40 C.F.R. § 270.12)

I.I DOCUMENTS TO BE MAINTAINED AT THE FACILITY

You must maintain at the facility, until closure is completed and certified by a qualified 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 C.F.R. §§ 264.13 and 264.73 (as they apply to the equipment used to comply with this permit).

I.I.2 Notifications

You must maintain notifications from generators that are required by 40 C.F.R. § 268.7 to
accompany an incoming shipment of hazardous wastes subject to 40 C.F.R. Part 268, Subpart C, that specify treatment standards, as required by 40 C.F.R. §§ 264.73, 268.7, and this permit.

I.I.3 Copy of Permit

You must keep a copy of this permit on site, 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 may include fines, or permit suspension or revocation.

I.J.2 This permit also includes the attached documents, all documents cross-referenced in these documents, and the applicable regulations contained in 40 C.F.R. Parts 124, 260, 261, 262, 264, 266, 268, and 270, and applicable provisions of RCRA, all of which are incorporated by reference.

I.J.3 Any inconsistency or deviation from the approved designs, plans and schedules is a 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 all applicable Clean Air Act (CAA) and RCRA permit limits. Where two or more operating limitations apply, the most stringent operating limitations take precedence.

SECTION II -- AIR EMISSION STANDARDS FOR EQUIPMENT LEAKS (40 C.F.R. PART 264 SUBPART BB)

II.A EQUIPMENT LEAKS

II.A.1 Applicable Equipment

You must comply with all applicable requirements of 40 C.F.R. §§ 264.1050 through 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. All hazardous waste processed at this facility is considered as **"**In light liquid service**"** as defined in 40 C.F.R. **§** 264.1031. The applicable equipment includes, but is not limited to: 1) pumps, 2) valves, 3) flanges and other connectors, 4) sampling connection systems, and 5) open-ended valves or lines.

II.A.2 Pumps in Light Liquid Service (40 C.F.R. § 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 C.F.R. § 264.1063(b), except: when each pump is 1) equipped with dual mechanical seal system satisfying the requirements of 40 C.F.R. § 264.1052(d); 2) designated, as described in 40 C.F.R. § 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 C.F.R. § 264.1052(e); or 3) equipped with a closed vent system complying with the requirements of 40 C.F.R. § 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, you must repair it as soon as practicable, but not later than 15 calendar days after it is detected, except as provided in 40 C.F.R. § 264.1059 - Standards: Delay of repair. The first attempt at repair must be made no later than five calendar days after each leak is detected.

II.A.3 Sampling Connection Systems (40 C.F.R. § 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 that meets one of the following requirements:

II.A.3.a Return the purged process fluid directly to the process line;

II.A.3.b Collect and recycle the purged process fluid; or

II.A.3.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 C.F.R. § 264.1084 through § 264.1086 or a control device that complies with 40 C.F.R. § 264.1060, Standards for Closed-Vent Systems and Control Devices.

II.A.4 Open-ended Valves or Lines (40 C.F.R. § 264.1056)

II.A.4.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.4.b 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.5 Valves in Light Liquid Service (40 C.F.R. § 264.1057)

II.A.5.a Each valve in light liquid service shall be monitored monthly to detect leaks in accordance with 40 C.F.R. § 264.1057(a) and (c), except as provided in 40 C.F.R. §§ 264.1057(f), (g), and (h).

II.A.5.b If an instrument reading of 10,000 ppm or greater is measured, a leak is detected.

II.A.6 Pressure Relief Devices in Light Liquid Service, and Flanges and Other Connectors (40 C.F.R. § 264.1058)

II.A.6.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 C.F.R. § 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.6.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 C.F.R. § 264.1059. The first attempt at repair shall be made no later than five calendar days after each leak is detected.

II.A.6.c First attempts at repair include, but are limited to, the best practices described under 40 C.F.R. § 264.1057(e).

II.A.7 Delay of Repair (40 C.F.R. § 264.1059)

II.A.7.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.7.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 C.F.R. § 264.1060.

II.A.7.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.7.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 C.F.R. § 264.1059(e).

II.A.8 Closed-Vent Systems and Control Devices (40 C.F.R. § 264.1060)

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

II.A.9 Alternative Standards for Valves in Light Liquid Service: Percentage of Valves Allowed to Leak (40 C.F.R. § 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 C.F.R. §§ 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 C.F.R. §§ 264.1057(a) through (e) will be followed

II.A.10 Alternative Standards for Valves in Light Liquid Service: Skip Period Leak Detection and Repair (40 C.F.R. § 264.1062)

You may elect for all valves subject to the requirements of 40 C.F.R. § 264.1057 and Section II.A.7 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.10.a After two 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.10.b After five consecutive quarterly leak detection periods with the percentage of valves leaking equal to or less than 2 percent, you may begin to skip three of the quarterly leak detection periods for the valves.

You must monitor valve leaks monthly in accordance with 40 C.F.R. § 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 C.F.R. § 264.1057(c)(1).

II.B TEST METHODS AND PROCEDURES (40 C.F.R. § 264.1063)

The leak test methods and procedures must be as specified in 40 C.F.R. § 264.1063.

II.C RECORDKEEPING AND REPORTING REQUIREMENTS (40 C.F.R. §§ 264.1064 and 264.1065)

You must comply with the recordkeeping and reporting requirements of 40 C.F.R. §§ 264.1064 and 264.1065.

SECTION III – AIR EMISSION STANDARDS FOR TANKS (40 C.F.R. PART 264 SUBPART CC)

You are permitted by the State portion of the permit to store and treat hazardous wastes in 12 tanks (W-1, W-6, W-7, W-11, W-12, W-13, W-14, W-15, W-31, W-32, W-33, and W-34). The total capacity of these tanks is 245,300 gallons.

The Subparts BB and CC information dated September 24, 2008, states that the tanks specified above will be operated in accordance with 40 C.F.R. § 264.1084(d), Level 2 tank requirement. These tanks are covered by a fixed roof and are vented directly through closed-vent system to control
devices meeting the standards in 40 C.F.R. § 264.1087. All tank vents, except W-1, are combined into a single vent system which then discharges to the atmosphere via a fixed-bed carbon adsorption unit. W-1 tank is equipped with a suction blower to maintain a slight negative pressure on the tank. This blower vents to the atmosphere via a carbon adsorption canister.

You indicated that all hazardous waste entering these tanks has an average volatile organic (VO) concentration greater than 500 parts per million by weight (ppmw) at the point of waste origination. For purpose of this permit, all tanks that contain hazardous waste processed at this facility are considered to be "in light material service" as defined in 40 C.F.R. **§** 265.1081

The less-than-90-day hazardous waste drum storage areas are located in the central waste store area. Railcars (the size of each railcar: 20,000 to 23,000 gallons) that transport hazardous waste to a disposal facility from the facility's hazardous waste tanks are considered as less-than-90-day containers. The less-than-90-day containers will be subjected to the interim status Level 1 container standards of 40 C.F.R. § 265.1087(c). The 40 C.F.R. § 265.1087(d)(2), Level 2 container requirement for transfer of hazardous waste, will be applicable to the railcars.

III.A REQUIREMENTS FOR LEVEL 2 TANKS

You shall control the air emissions from the twelve tanks listed above in accordance with Level 2 requirements at 40 C.F.R. § 264.1084(d) by venting the tanks through a closed vent system to a carbon adsorption unit designed and operated to recover the organic vapors vented to it 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 C.F.R.

§§ 264.1084(g), (j), (k), and (l):

III.A.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 C.F.R. § 264.1084(g)(1)(i))

III.A.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 C.F.R. § 264.1084(g)(1)(ii))

III.A.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 the following elements: 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 C.F.R. § 264.1084(g)(1)(iii))

III.A.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 C.F.R. § 264.1084(g)(2)(i) and (ii).

III.A.5 You must inspect and monitor the air emission control equipment in accordance with the requirements specified in 40 C.F.R. § 264.1084(g)(3) and (l). In the event that a defect is detected, you shall repair the defect in accordance with 40 C.F.R. § 264.1084(k).

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

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

III.A.7.a The closed vent system shall route the gases, vapors, and fumes emitted from the hazardous waste in the twelve tanks to a control device that meets the requirements specified in 40 C.F.R. § 264.1087(c):

III.A.7.b The closed vent system shall be designed and operated in accordance with the requirements specified in 40 C.F.R. § 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 C.F.R.
§ 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 lease 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.A.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.A.7.d The closed vent system shall be inspected and monitored an accordance with 40 C.F.R. § 264.1033(l).

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

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

III.A.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 C.F.R. § 264.1087(c)(2)(i))

III.A.8.c You must comply with 40 C.F.R. § 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.A.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 C.F.R. § 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 C.F.R. §§ 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 C.F.R. § 264.1035(b)(4)(iii)(G). (40 C.F.R. §§ 264.1087(c)(3)(i) and 264.1033(h)(2))

III.A.8.e All carbon that is removed from the carbon adsorption system after use shall be managed in accordance with the requirements of 40 C.F.R. §§ 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. (40 C.F.R. §§ 264.1087(c)(3)(ii))

III.B RECORDKEEPING AND REPORTING REQUIREMENTS

You must comply with all applicable recordkeeping and reporting requirements described in 40 C.F.R. §§ 264.1089 and 264.1090.

III.C DUTY TO COMPLY WITH FUTURE REQUIREMENTS

You shall comply with all self-implementing provisions of any future air regulations promulgated under the provisions of Section 3004 (n) of RCRA, as amended by HSWA.