

**FINAL**

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 5**

**RESOURCE CONSERVATION AND RECOVERY ACT PERMIT**

**Facility Name and Location:** **The Lubrizol Corporation**  
**29400 Lakeland Boulevard**  
**Wickliffe, Ohio 44092**

**Owner:** **The Lubrizol Corporation**  
**29400 Lakeland Boulevard**  
**Wickliffe, Ohio 44092**

**Operator:** **The Lubrizol Corporation**  
**29400 Lakeland Boulevard**  
**Wickliffe, Ohio 44092**

**EPA Identification Number:** **OHD 004 172 565**

**Effective Date:** **July 7, 2008**

**Expiration Date:** **March 6, 2012**

**Authorized Activities:**

The U. S. Environmental Protection Agency hereby issues a Resource Conservation and Recovery Act permit (hereinafter referred to as the “permit”) to The Lubrizol Corporation (addressed in the second person as “you”) in connection with the hazardous waste management operations at The Lubrizol Corporation, located in Wickliffe, Ohio.

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 EPA’s regulations promulgated thereunder (codified, and to be codified, in Title 40 of the Code of Federal Regulations (40 CFR)).

Specifically, this permit addresses air emission standards for equipment leaks, tanks, and containers.

The RCRA permit consists of both this permit, which contains the effective Federal RCRA permit conditions, and the effective State RCRA permit conditions issued by the State of Ohio’s RCRA program authorized under 40 CFR Part 271 (hereinafter called the “State RCRA permit”).

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The State RCRA permit was issued on March 6, 2002. (The effective and expiration dates of the State RCRA permit are March 6, 2002 and March 6, 2012, respectively.) Any hazardous waste activity which requires a RCRA permit and is not included in the RCRA permit is prohibited

**Permit Approval:**

On June 28, 1989, the State of Ohio received final authorization according 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 Ohio also received final authorization to administer certain additional RCRA requirements on several occasions since then.

However, because the EPA has not yet authorized the State of Ohio to administer certain RCRA regulations promulgated under HSWA, including the air emission standards for equipment leaks (40 CFR Part 264 Subpart BB) and the air emission standards for tanks and containers (40 CFR Part 264 Subpart CC), the EPA Region 5 is issuing the RCRA permit requirements for operations at your 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, the documents attached hereto, all documents cross-referenced in these documents, approved submittals (including plans, schedules and other documents), the applicable regulations in 40 CFR Parts 124, 260, 261, 262, 264, 268, 270, and applicable provisions of RCRA.

This permit is based on the assumption that the information submitted (1) in your RCRA Part B Permit Application on March 2007, and all other modifications to that application (hereinafter referred to as the "Part B Permit Application") and (2) in the air emission responses dated July 26, 2006 and March 19, 2007, is accurate, and the facility is configured, operated and maintained as specified in the Part B Permit Application and other relevant documents.

Any inaccuracies in the submitted information may be grounds for the 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 the EPA of any deviation from, or changes in, the information in the Part B Permit Application and other pertinent documents 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 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

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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 **July 7, 2008** and will remain in effect until **March 6, 2012**, 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: \_\_\_\_\_ Date: \_\_\_\_\_  
Margaret M. Guerriero  
Director  
Land and Chemicals Division

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## 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 CFR § 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 USC §§ 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 CFR §§ 270.4 and 270.30(g))

### I.B PERMIT ACTIONS

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

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

### **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, or modification; or denial of a permit renewal application. (40 CFR § 270.30(a))

### **1.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 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 5 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 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 1995, 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;

**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 CFR § 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 CFR Part 261, or the methods specified in the Waste Characteristics which is Section C of 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 CFR § 270.30(j)(1))

**I.E.9.b** You must retain, at the facility, records of all monitoring information as specified in 40 CFR § 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 3 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 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**

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 CFR § 270.30(1)(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, if the inspection is not conducted within 30 days from the receipt of the certification.

**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 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 CFR Parts 264, 266, 268, and 270, and must provide a copy of the RCRA permit to the new owner or operator. (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 circumstances.

**I.E.14.b** The report must include the following (40 CFR §§ 270.30(1)(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 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 Sections I.E.14.a and I.E.14.b of this permit. (40 CFR §§ 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 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 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 CFR §§ 270.30(l)(11) and 270.30(h))

**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 sent or given to the Director should be sent by certified mail or express mail, or hand-delivered to the Environmental Protection Agency Region 5, RCRA Branch, at the following address:

RCRA Branch, LR-8J  
Land and Chemicals Division  
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 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 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 CFR §§ 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 CFR § 268.7 to accompany an incoming shipment of hazardous 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, 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 documents attached hereto, all documents cross-referenced in these documents, and the applicable regulations contained in 40 CFR Parts 124, 260, 261, 262, 264, 266, 268, and 270, and 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 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 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. All hazardous waste processed at this facility is considered as “In light liquid service” as defined in 40 CFR § 264.1031. Some pieces of equipments 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, and (6) open-ended valves or lines.

#### **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 - Standards: Delay of repair. 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, as indicated by 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 conditions 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, Standards for Closed-Vent Systems and Control Devices.

### **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).

**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 5 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 % 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 6 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 % 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.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.11.a** After 2 consecutive quarterly leak detection periods with the percentage of valves leaking equal to or less than 2 %, 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 %, 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 %, 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)**

You are permitted by the State portion of the permit to store hazardous wastes in three tanks (S-1, S-2, and S-4) which are located south of railroad trucks. The total capacity of the three tanks is 62,000 gallons (S-1: 25,000 gallons, S-2: 25,000 gallons, and S-4: 12,000 gallons). Hazardous waste is also stored in containers in the permitted containers storage area located in Building #64. The maximum capacity of this container storage area is 8,250 gallons.

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 permit, described above, are Level 1 tanks and containers and

must comply with the standards at 40 CFR § 264.1084(c), Tank Level 1 standards, and 40 CFR § 264.1086(c), Container Level 1 standards, respectively. You must not conduct waste stabilization process, as defined in 40 CFR § 265.1081, in containers and tanks.

### **III.A CONTAINER LEVEL 1 STANDARDS**

You must manage the containers in the Building #64 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:

- (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 enclosures suitable for the physical and chemical characteristics of hazardous waste in containers, maintaining container integrity throughout the life of the container, and 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 maintain an acceptable and stable barrier between the barrier and the hazardous waste. The barrier shall not chemically react to the hazardous waste. (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 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 are prohibited from conducting waste stabilization processes, as defined in 40 CFR § 265.1081, on any hazardous waste in containers.

**III.A.5** You shall not transfer hazardous waste in or out of the containers.

### **III.B TANK LEVEL 1 CONTROLS**

Tanks, S-1, S-2, and S-4 must comply with the Level 1 tank standards of 40 CFR § 264.1084(c) and the following requirements:

**III.B.1** The maximum vapor pressure, as determined by 40 CFR § 264.1083(c)(2), must be less than 27.6 kilo-Pascal (kPa) for tanks S-1 and S-2. The maximum vapor pressure, as determined by 40 CFR § 264.1083(c)(2), must be less than 76.6 kPa for tank S-4.

**III.B.2** The hazardous waste in the tank cannot be heated to a temperature that is greater than the temperature at which the maximum organic vapor pressure is determined under Condition III.B.1 (27.6 kPa for tanks S-1 and S-2; and 76.6 kPa for tank S-4).

**III.B.3** The hazardous waste in the tank should not be treated by any waste stabilization process as defined in 40 CFR § 265.1081.

**III.B.4** Each tank must be a fixed roof design complying with the following specifications:

**III.B.4.a** The tank closure devices must be designed and constructed to form a continuous barrier over the entire surface area of the hazardous waste in the tank. Gaskets used for closure devices or piping systems shall be of suitable materials compatible with the hazardous wastes and shall be in accordance with good engineering practices.

**III.B.4.b** Each opening in the fixed roof and any manifold system associated with the fixed roof shall be equipped with a closure device 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 opening and the closure device.

**III.B.4.c** 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.

**III.B.5** Whenever a hazardous waste is in the tank, all openings (e.g., manholes, instruments connections, pipe nozzles) must be securely closed to prevent releases of vapors into the atmosphere, except for routine inspections, and maintenance. (40 CFR § 264.1084(c)(3))

**III.B.6** You must inspect the tanks, at least once per year, or retest the tanks to ascertain that the air emissions from the tank systems comply with the design and with the requirements specified in 40 CFR § 264.1084(c)(4).

**III.B.7** You must process a Class 1 permit modification and obtain an approval from the Director, if you plan to operate or to modify the tank systems for complying with Level 2 control.

### **III.C RECORDKEEPING AND REPORTING REQUIREMENTS**

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