



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

NOV 29 2016

REPLY TO THE ATTENTION OF:

Mr. Jerry Schill  
Vice President, Operations  
Chemical Solvents Inc.  
3751 Jennings Road  
Cleveland, Ohio 44109

Re: Draft Federal RCRA Permit, Chemical Solvents Inc.  
Cleveland, Ohio, OHD 980 897 656

Dear Mr. Schill:

Enclosed is the draft Federal Resource Conservation and Recovery Act (RCRA) permit for Chemical Solvents Inc., Cleveland, Ohio.

The draft Federal RCRA permit will be publicly noticed in the Cleveland Plain Dealer newspaper and radio station WTAM 1100 in Cleveland on and about November 29, 2016. A copy of the draft Federal RCRA permit is available for review at the Cleveland Public Library, Brooklyn Branch, 3706 Pearl Road, Cleveland, OH 44109. The public comment period lasts from November 29, 2016 to January 20, 2017. A public meeting will be held to receive comments on January 12, 2017, at 5:00 p.m. at the Cleveland Public Library, Brooklyn Branch, 3706 Pearl Road, Cleveland, OH 44109.

During the public comment period, you or any interested party may submit comments to the U.S. Environmental Protection Agency on the draft Federal RCRA permit set forth above. At the close of the comment period, EPA will prepare a response to all significant comments. Comments on the draft Federal RCRA permit may be submitted to:

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

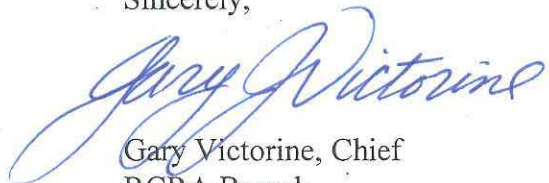
Attention: Jae B. Lee

Following review of any comments received on the draft federal RCRA permit, EPA will issue a final permit decision in accordance with the requirements of Title 40 of the Code of Federal Regulations (40 CFR) Section 124.15. The procedures of permit appeals are found in 40 CFR § 124.19.



If you have questions concerning the draft Federal RCRA permit, please contact Jae Lee, of my staff at (312) 886-3781.

Sincerely,



Gary Victorine, Chief  
RCRA Branch

Enclosure

cc: Bradley Mitchell, OEPA



**DRAFT**

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 5**

**RESOURCE CONSERVATION AND RECOVERY ACT PERMIT**

**Facility Name and Location:** Chemical Solvents Inc.  
1010 Denison Ave.  
Cleveland, Ohio 44109

**Owner:** Pavlish Real Estate Holdings  
3751 Jennings Road  
Cleveland, Ohio 44109

**Operator:** Chemical Solvents Inc.  
3751 Jennings Road  
Cleveland, Ohio 44109

**U.S. EPA Identification Number:** OHD 980 897 656

**Effective Date:** 30 Days After Issuance Date of the Final Permit

**Expiration Date:** 10 Years from the Effective Date

**Authorized Activities:**

The United States Environmental Protection Agency hereby issues a Resource Conservation and Recovery Act permit (hereinafter referred to as "this permit") to Chemical Solvents Inc. (Operator hereinafter referred to as the "Permittee" or addressed in the second person as "you") in connection with the hazardous waste management operations at Chemical Solvents Inc., in Cleveland, Ohio (the "facility").

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 process vents (40 CFR Part 264, Subpart AA); equipment leaks (40 CFR Part 264 Subpart BB); and tanks and containers (40 CFR Part 264 Subpart CC).

This permit contains the applicable federal RCRA permit conditions for the facility. The Permittee also has a state RCRA permit which contains conditions issued by the State of Ohio's RCRA program authorized under 40 CFR Part 271. Any hazardous waste activity which requires a RCRA permit and is not included in either this permit or the state 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 EPA has not yet authorized the state of Ohio to administer certain regulations, including the air emission standards for process vents, equipment leaks, and tanks and containers, EPA is issuing the RCRA permit requirements for operations at the Permittee's facility which fall under these regulations.

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

This permit is based on the assumption that the information submitted: (1) in the Permittee's RCRA Permit Application dated August 2014, including Air Emission Standards information submitted on January 27, 2015, and all other modifications to that application (hereinafter referred to as the "Application") is accurate; and (2) that the facility is configured, operated and maintained as specified in the permit and as described in the Application and other relevant documents.

Any inaccuracies in the submitted information may be grounds for 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 EPA of any deviation from, or changes in, the information in the 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 EPA serves notice of the final permit decision. Any person who filed comments on the draft permit or participated in the public hearing may petition the Environmental Appeals Board to review any condition of the permit decision. Any person who failed to file comments or failed to participate in the public hearing on the draft permit may file a petition for review only to the extent of the changes from the draft to the final permit decision. The procedures for permit appeals are found in 40 CFR § 124.19.

**Effective Date:**

This permit is effective as of **(30 Days After Issuance Date of the Final Permit)** and will remain in effect until **(10 Years from the Effective Date)**, 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

OHD 980 897 656  
Chemical Solvents Inc.

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## SECTION I—STANDARD PERMIT CONDITIONS

### I.A EFFECT OF PERMIT

This permit contains the applicable federal permit conditions for the facility. The Permittee also has a state RCRA permit. You are hereby allowed to manage hazardous waste at the facility in accordance with this permit. Under this permit, the storage and treatment of RCRA hazardous waste must comply with all terms and conditions in this permit. Other aspects of the storage and treatment of RCRA hazardous wastes are subject to the conditions in the state-issued 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 generally constitutes compliance, for purposes of enforcement, with Subtitle C of RCRA, except for those requirements not included in the permit which: (1) become effective by statute; (2) are promulgated under 40 CFR Part 268 restricting the placement of hazardous waste in or on the land; (3) are promulgated under 40 CFR Part 264 regarding leak detection systems; or (4) are promulgated under 40 CFR Part 264 Subpart AA, BB or CC limiting air emissions. (40 CFR § 270.4)

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

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 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). 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 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. Procedures for a class 3 modification are specified in 40 CFR § 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, 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**

##### **I.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))

### **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 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 10 years from this permit's effective date. This permit and all conditions herein will remain in effect beyond the permit's expiration date if you have submitted a timely, complete application (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 Analysis Plan 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 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 are 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(l)(1))

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

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

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

You must not operate any RCRA air emission control devices completed after the effective date of this permit until you have submitted to the Director, by certified mail or hand-delivery, a letter signed both by your authorized representative and by a registered professional engineer. That letter must state that the portions of the facility covered by this permit 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(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** Within 15 days of the date of submission of the letter in I.E.12, the Permittee has not received notice from the Director of his or her intent to inspect, prior inspection is waived and the Permittee may commence, treatment, storage, or disposal of hazardous waste. (40 CFR 270.30(l)(2)(ii)(B))

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

This permit is not transferable to any person, except after notice to the Director. You must inform the Director and obtain prior approval from 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 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 information (40 CFR § 270.30(1)(6)): (1) release of any hazardous waste that may endanger public drinking water supplies; (2) a 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. 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(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 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 U.S. Environmental Protection Agency 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 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) You have the burden of substantiating that the claimed information is confidential, and U.S. EPA may request further information from you regarding such claim, and may reasonably 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 §§ 266.102, 264.13, and 264.73 (as they apply to the equipment used to comply with this permit).

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

If you receive hazardous waste(s) from off-site generator(s), 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 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 comply fully with the requirements contained in this permit. This permit does not include the requirements imposed by the Clean Air Act.

## **SECTION II -- AIR EMISSION STANDARDS FOR PROCESS VENTS (40 CFR PART 264 SUBPART AA)**

### **II.A PROCESS VENTS**

You must comply with all applicable requirements of 40 CFR Part 264 Subpart AA (Subpart AA), regarding air emission standards for process vents. You operate 2 evaporators. According to 40 CFR § 264.1030(b), all process vents associated with the operations from these 2 units are subject to Subpart AA.

The Permittee must process a permit modification and have it approved by the Director prior to the installation and operation of any additional equipment subject to Subpart AA.

#### **II.A.1 Emission Controls**

You shall control the organic emissions from the evaporator units using a closed vent vapor recovery system. The emissions from all process vents associated with these units shall be routed using a closed vent system to the vapor control unit, which includes the refrigerated condenser and carbon canister system, to control emissions of total organic compounds. You shall operate the vapor control system to reduce the concentration of total organic emissions from all affected process vents at the facility by 95 weight percent. (40 CFR § 264.1032(a)(2); 40 CFR § 264.1033(b))

#### **II.A.2 Condenser System Specifications and Requirements**

**II.A.2.a** The condenser system operates slightly below atmospheric pressure to draw vent emissions to a stainless steel shell and tube heat exchanger. The shell side of the exchanger shall be cooled to 55 °F by a chilled water/glycol mixture from a refrigerated chiller unit.

**II.A.2.b** The condenser system shall be designed to operate at a pressure below atmospheric pressure, with no detectable emissions.

**II.A.2.c** Evaporators shall not be operated unless the condenser system is in operation.

### **II.A.3 Monitoring Procedures for Condenser**

You shall monitor the condenser system to ensure proper operation and maintain it by implementing the following requirements. You shall maintain a record of the monitoring in accordance with 40 CFR § 264.1035.

**II.A.3.a** You must install, calibrate, maintain, and operate according to the manufacturer's specifications a flow indicator that provides a record of vent stream flow from each affected process vent to the condenser system at least once every hour. The flow indicator sensor shall be installed in the vent stream at the nearest feasible point to the control device inlet but before the point at which the vent streams are combined. (40 CFR § 264.1033(f)(1))

**II.A.3.b** You must install, calibrate, maintain, and operate according to the manufacturer's specifications a device to continuously monitor the condenser system operation by using a temperature monitoring device with a continuous recorder, measuring inlet refrigerant temperature and the condenser system outlet exhaust temperature with an accuracy of  $\pm 0.5$  degrees Celsius ( $^{\circ}\text{C}$ ). The temperature sensor shall be installed at a location in the exhaust vent stream from the condenser system exit (i.e., product side). (40 CFR § 264.1033(f)(2)(vi)(B))

**II.A.3.c** You must inspect the readings from each monitoring device required by Section II.A.3 at least once each operating day to check control device operation and, if necessary, immediately implement the corrective measures necessary to ensure the control device operates in compliance with the requirements of Section II.A.3. (40 CFR § 264.1033(f)(3))

### **II.A.4 Design Requirements for Closed-Vent System**

You shall design the closed-vent system to ensure proper operation and maintain it by implementing the following requirements. You shall maintain a record of the monitoring in accordance with 40 CFR § 264.1035.

**II.A.4.a** The closed-vent system shall be designed to operate with no detectable emissions, as indicated by an instrument reading of less than 500 parts per million by volume (ppmv) above background as determined by the procedure in 40 CFR § 264.1034(b) and by visual inspections; (40 CFR § 264.1033(k)(1)) or

**II.A.4.b** The closed-vent system shall be designed to operate at a pressure below atmospheric pressure. The closed-vent 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 when the condenser is operating.  
(40 CFR § 264.1033(k)(2))

### **II.A.5 Monitoring and Inspection Requirements for Closed-Vent System**

For the closed-vent system that is used to comply with the requirements specified in Section II.A.4.a, you shall inspect each closed-vent system to ensure proper operation and maintain it by implementing the following requirements. You shall maintain a record of the monitoring, inspections, and repair activities in accordance with 40 CFR § 264.1035.

**II.A.5.a** The Permittee shall monitor the closed-vent system components and connections using the procedures specified in 40 CFR § 264.1034(b) to demonstrate that the closed-vent system operates with no detectable emissions, as indicated by an instrument reading of less than 500 ppmv above background.  
(40 CFR § 264.1033(l)(1)(i))

**II.A.5.b** Closed-vent system joints, seams, or other connections that are permanently or semi-permanently sealed (e.g., a welded joint between two sections of hard piping or a bolted and gasketed ducting flange) shall be visually inspected at least once per year to check for defects that could result in air pollutant emissions. You shall monitor a component or connection using the procedures specified in 40 CFR § 264.1034(b) to demonstrate that it operates with no detectable emissions following any time the component is repaired or replaced (e.g., a section of damaged hard piping is replaced with new hard piping) or the connection is unsealed (e.g., a flange is unbolted).  
(40 CFR § 264.1033(l)(1)(ii)(A))

**II.A.5.c** Closed-vent system components or connections other than those specified in Section II.A.5.b shall be monitored annually (and at other times as requested by the Director) using the procedures specified in 40 CFR § 264.1034(b) to demonstrate that the components or connections operate with no detectable emissions. (40 CFR § 264.1033(l)(1)(ii)(B))

**II.A.5.d** In the event that a defect or leak is detected, you shall repair the defect or leak in accordance with the requirements of Section II.A.6.  
(40 CFR § 264.1033(l)(iii))

For the closed-vent system that is used to comply with the requirements specified in Section II.A.4.b, you shall inspect and monitor the closed-vent system in accordance with requirements specified in 40 CFR § 264.1033(l)(2). In the event that a defect or leak is detected, you shall repair the defect or leak in accordance with the requirements of Section II.A.6.

## **II.A.6 Repair Requirements for Closed-Vent System and condenser system**

You shall repair all detected defects in the closed-vent system and the condenser system by implementing the following requirements. You shall maintain a record of the repairs in accordance with 40 CFR § 264.1035.

**II.A.6.a** Detectable emissions, as indicated by visual inspection, or by an instrument reading greater than 500 ppmv above background, shall be controlled as soon as practicable, but not later than 15 calendar days after the emission is detected, except as provided for in Section II.A.6.c. (40 CFR § 264.1033(l)(3)(i))

**II.A.6.b** A first attempt at repair shall be made no later than 5 calendar days after the emission is detected. (40 CFR § 264.1033(l)(3)(ii))

**II.A.6.c** Delay of repair of the closed-vent system for which leaks have been detected is allowed if the repair is technically infeasible without a process unit shutdown, or if the owner or operator determines that emissions resulting from immediate repair would be greater than the fugitive emissions likely to result from delay of repair. Repair of such equipment shall be completed by the end of the next process unit shutdown. (40 CFR § 264.1033(l)(3)(iii))

## **II.B RECORDKEEPING REQUIREMENTS**

In accordance with 40 CFR § 264.1035, you shall maintain up-to-date documentation of compliance with the process vent standards in 40 CFR §§ 264.1032 and 264.1033, including:

**II.B.1** Information and data identifying all affected process vents, annual throughput and operating hours of each affected unit, estimated emission rates for each affected vent and for the overall facility (i.e., the total emissions for all affected vents at the facility), and the approximate location within the facility of each affected unit (e.g., identify the hazardous waste management units on a facility plot plan). (40 CFR § 264.1035(b)(2)(i))

**II.B.2** Information and data supporting determinations of vent emissions and emission reductions achieved by add-on control devices based on engineering calculations or source tests. For the purpose of determining compliance, determinations of vent emissions and emission reductions must be made using operating parameter values (e.g., temperatures, flow rates, or vent stream organic compounds and concentrations) that represent the conditions that result in maximum organic emissions, such as when Unit 1 and Unit 2 are operating at the highest load or capacity level reasonably expected to occur. If you take any action (e.g., managing a waste of different composition or increasing operating hours of affected waste management units) that would result in an increase in total organic emissions from affected process vents at the facility, then a new determination is required. (40 CFR § 264.1035(b)(2)(ii))

**II.B.3** You shall maintain up-to-date design documentation and monitoring, operating, and inspection information recorded for each closed-vent system and the CSRS,

including all of the information required by 40 CFR § 264.1035(c). You shall maintain this information in accordance with the time period set forth in 40 CFR § 264.1035(d).

## II.C REPORTING REQUIREMENTS

You must comply with the reporting requirements of 40 CFR § 264.1036.

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

#### III.A EQUIPMENT LEAKS

##### III.A.1 Applicable Equipment

You must comply with all applicable requirements of 40 CFR Part 264 Subpart BB (Subpart BB), regarding air emission standards for equipment leaks. Subpart BB applies to equipment that contains or contacts hazardous waste with organic concentrations of at least 10 percent by weight that are managed in certain units as provided in 40 CFR § 264.1050(b). You shall clearly mark each piece of equipment to which Subpart BB applies in such a manner that it can be distinguished readily from other pieces of equipment. (40 CFR § 264.1050(d))

The equipment subject to Subpart BB at your facility 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.

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

**III.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: any pump that is (1) equipped with dual mechanical seal system and for which the requirements of 40 CFR § 264.1052(d) are satisfied; (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 for which the requirements of 40 CFR § 264.1052(e) are satisfied; or (3) equipped with a closed vent system complying with the requirements of 40 CFR § 264.1052(f). 40 CFR § 264.1052(a)(1).

**III.A.2.b** Each pump in light liquid service shall be checked by visual inspection each calendar week for seal leaks.

**III.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. (40 CFR § 264.1052(b))



**III.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. (40 CFR § 264.1052(c))

### **III.A.3 Pressure Relief Devices in Gas/Vapor Service (40 CFR § 264.1054)**

**III.A.3.a** Each pressure relief device in gas/vapor service shall be operated with no detectable emissions, as defined 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. (40 CFR § 264.1054(a))

**III.A.3.b** After each pressure release, the pressure release device shall be returned to a condition of no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background, as soon as practicable, but no later than 5 calendar days after each pressure release, except as provided in 40 CFR § 264.1059 – Standards: Delay of repair. (40 CFR § 264.1054(b)(1))

**III.A.3.c** No later than 5 calendar days after each pressure release, the pressure relief device shall be monitored to confirm the condition of 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). 40 CFR § 264.1054(b)(2))

### **III.A.4 Sampling Connection Systems (40 CFR § 264.1055)**

Each sampling connection system, except *in-situ* sampling systems and sampling systems without purges, shall collect the sample purge for return to the process or for routing them to the appropriate treatment system, and shall be equipped with a closed-purge, closed-loop, or closed-vent system which meets one of the following requirements:

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

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

**III.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.

### **III.A.5 Open-Ended Valves or Lines (40 CFR § 264.1056)**

**III.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.

**III.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.

**III.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.

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

**III.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), and 40 CFR §§ 264.1061 and 264.1062.

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

**III.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, except as provided in 40 CFR § 264.1059 – Standards; Delay of Repair. When a leak is detected, it must be repaired as specified in 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, and must include the best practices specified in 40 CFR § 264.1057(e).

### **III.A.7 Pumps and Valves in Heavy Liquid Service, Pressure Relief Devices in Light Liquid or Heavy Liquid Service, and Flanges and Other Connectors (40 CFR § 264.1058)**

**III.A.7.a** Pumps and valves in heavy liquid service, pressure relief devices in light liquid or heavy 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.

**III.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.

**III.A.7.c** First attempts at repair include, but are not limited to, the best practices described under 40 CFR § 264.1057(e).

### **III.A.8 Delay of Repair (40 CFR § 264.1059)**

**III.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 (in such cases, repair of this equipment shall occur before the end of the next 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.

**III.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.

**III.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.

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

### **III.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.

### **III.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 subject to 40 CFR § 264.1057 and Section III.A.6 within a hazardous waste management unit comply with an alternative standard that allows no greater than 2 percent of the valves to leak. If you elect to comply with this alternative standard, you must comply with the provisions of 40 CFR §§ 264.1061(b) and (c). If you decide to discontinue the election of the alternative standards, you must comply with the work practice standards in 40 CFR § 264.1057 and Section III.A.6, and you must notify the Director in writing that you will comply with the standards described in 40 CFR §§ 264.1057(a) through (e).

**III.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 III.A.6 of this permit within a hazardous waste management unit to comply with one of the alternative work practices specified below.

**III.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.

**III.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 elect to use the alternative standards after meeting the requirements of 40 CFR § 264.1057(c)(1).

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

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

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

You must comply with all applicable requirements of 40 CFR Part 264 Subpart CC (Subpart CC), regarding air emission standards for tanks and containers. 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 subject to your State RCRA permit, described below, include Level 1 and 2 containers and Level 1 tanks, and therefore must comply with the standards at 40 CFR § 264.1086(c), Container Level 1 standards, 40 CFR § 264.1086(d), Container Level 2 standards, and 40 CFR § 264.1084(c), Tank Level 1 standards.

The State RCRA permit allows you to store hazardous wastes in 14 tanks (tanks W101 through W109, F1, F2, F21, F22, and F23). The total capacity of the hazardous waste tanks is 156,000 gallons. You also store hazardous waste in containers in 3 permitted storage areas. These areas

include two outside drum storage pads (71,500 gallons and 88.4 cubic yards each) and an inside drum storage (11,000 gallons).

You shall not conduct a waste stabilization process, as defined at 40 CFR § 265.1081, in containers and tanks which contain hazardous waste.

#### IV.A LEVEL 1 CONTAINER REQUIREMENTS

You must manage the containers with a design capacity greater than 0.1 m<sup>3</sup> (26.4 gallons) and less than or equal to 0.46 m<sup>3</sup> (121 gallons), and the containers with a design capacity greater than 0.46 m<sup>3</sup> (121 gallons) that are not in light material service, as defined in 40 CFR § 265.1081, 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:

**IV.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 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))

**IV.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).

**IV.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). For the containers with capacity of 0.46 m<sup>3</sup> or greater, which do not meet applicable DOT regulations, you must maintain at the facility a copy

of the procedure used to determine those containers are not managing hazardous waste in light material service, as specified in 40 CFR § 264.1086(c)(5).

#### **IV.B LEVEL 2 CONTAINER REQUIREMENTS**

You must manage the containers with a design capacity greater than 0.46 m<sup>3</sup> (121 gallons) that are in light material service, as defined in 40 CFR § 265.1081, 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:

**IV.B.1** You shall receive and handle regulated containers that meet one of the following requirements in accordance with Level 2 standards (40 CFR § 264.1086(d)(1)):

**IV.B.1.a** A container that meets the applicable U.S. Department of Transportation regulations on packaging hazardous materials for transportation as specified in 40 CFR § 264.1086(f);

**IV.B.1.b** A container that 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

**IV.B.1.c** A container that has been demonstrated within the preceding 12 months to be vapor-tight by using 40 CFR Part 60, appendix A, Method 27 in accordance with the procedure specified in 40 CFR § 264.1086(h).

**IV.B.2** You shall transfer hazardous waste into or out of a Level 2 container in such a manner as to minimize exposure of the hazardous waste to the atmosphere, to the extent practical, as specified in 40 CFR § 264.1086(d)(2).

**IV.B.3** You shall install all covers and closure devices for the container whenever a hazardous waste is in a container. You shall secure and maintain each closure device in the closed position except during filling and removal operations as specified in 40 CFR § 264.1086(d)(3).

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

#### **IV.C LEVEL 1 TANK REQUIREMENTS**

All hazardous waste tanks specified above must comply with the Level 1 tank standards of 40 CFR § 264.1084(c) and the following requirements:

**IV.C.1** The maximum vapor pressure, as determined by 40 CFR § 264.1083(c)(2), must be less than 76.6 kilo-Pascal (kPa) for tanks W101 through W109, F1 and F2. The

maximum vapor pressure, as determined by 40 CFR § 264.1083(c)(2), must be less than 27.6 kPa for tanks F21, F22, and F23.

**IV.C.2** You shall determine the maximum organic vapor pressure for each hazardous waste placed in a tank in accordance with standards specified in Section IV.C.1. Whenever changes to the hazardous waste managed in the tank could potentially cause the maximum organic vapor pressure to increase to a level that is equal or greater than the maximum organic vapor pressure limit for the tank design capacity specified in Section IV.C.1, you shall perform a new determination of the maximum organic vapor pressure in the tank in accordance with 40 CFR § 264.1083(c)(2).

**IV.C.3** Each tank must be a fixed roof design complying with the following specifications:

- (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.
- (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.
- (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.

**IV.C.4** 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, maintenance, and other approved activities. (40 CFR § 264.1084(c)(3))

**IV.C.5** 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).

**IV.C.6** You must process a Class 1 permit modification and obtain approval from the Director if you plan to operate or to modify the tank systems to comply with Level 2 standards.

**IV.C.7** You shall control the air emissions from the tanks specified above in accordance with 40 CFR § 264.1084(c)(2)(iii)(B) by venting the tanks through closed vent systems to

the vapor control device, which includes the condenser and canister carbon, which is designed and operated to minimize emissions with an efficiency of 95 percent or greater by weight.

**IV.C.7.a** 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 requirements specified in 40 CFR §§ 264.1084(g), (j), (k), and (l).

**IV.C.7.b** You shall comply with the specification, monitoring, inspection, and repair requirement of the condenser specified in Section II.A.

**IV.C.7.c** You shall comply with the specification, monitoring, inspection, and repair requirement of the carbon canister adsorption system specified in 40 CFR § 264.1087(c).

**IV.C.7.d** You shall comply with monitoring, inspection, and repair requirements for closed-vent system specified in Sections II.A.

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

**IV.D.1** For container storage areas and tanks, you must comply with all applicable recordkeeping and reporting requirements described in 40 CFR §§ 264.1089 and 264.1090.

**IV.D.2** You must prepare and maintain records for the closed vent system and the condenser system described in Section IV in the manner described in 40 CFR § 264.1089, including 40 CFR §§ 264.1089(a), (b)(2)(iv), and (e).

**IV.D.3** You must comply with all reporting requirements for the condenser system under 40 CFR § 264.1090(c) and (d). Such reports shall be sent to EPA (at the address specified in Section I.G).



**Administrative Record Index *(Draft RCRA PERMIT)***

Chemical Solvents Inc.

Cleveland, Ohio

OHD 980 897 656

<u>Title</u>	<u>Date</u>	<u>Prepared by</u>
1. Subparts AA/BB/CC Information	January 27, 2015	Chemical Solvents
2. Part A and B Permit Application	August 2015	Chemical Solvents
3. EJ Information (EJSCREEN)	December 2015	EPA
4. Fact Sheet	November 2016	EPA and OEPA
5. Draft State RCRA Permit	November 2016	OEPA
5. Draft Federal RCRA Permit	November 2016	EPA

EPA: United States Environmental Protection Agency

OEPA: Ohio Environmental Protection Agency

RCRA: Resource Conservation Recovery Act

EJ: Environmental Justice

Subpart AA: Air Emission Standards for Process Vents

Subpart BB: Air Emission Standards for Equipment Leaks

Subpart CC: Air Emission Standards for Tanks and Containers





## Draft Hazardous Waste Permit Renewal and Comment Period

November 2016

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**Facility Name:** Chemical Solvents, Inc.

**U.S. EPA I.D.:** OHD 980 897 656

**Location:**

1010 Denison Ave.  
Cleveland, Ohio 44109

**Facility Owner:**

Pavlish Real Estate Holdings, Inc.  
3751 Jennings Road  
Cleveland, Ohio 44109

**Facility Operator:**

Chemical Solvents, Inc.  
3751 Jennings Road  
Cleveland, Ohio 44109

**Activity:**

Permit renewal for Storage (in containers and tanks)  
and Treatment (in tanks) of hazardous waste.

**Comment Period:**

November 29, 2016 – January 20, 2017

**Submit Comments to:**

Ohio EPA  
John Nyers  
Division of Environmental Response and Revitalization  
P.O. Box 1049  
Columbus, Ohio 43216-1049  
(614) 644-2924  
john.nyers@epa.ohio.gov

U.S. EPA, Region 5  
Mr. Jae Lee  
RCRA/TSCA Programs Section, LR-8J  
77 West Jackson Boulevard  
Chicago, Illinois 60604-3590  
(312) 886-3781  
lee.jae@epa.gov

### What is the history of the hazardous waste program?

The Resource Conservation and Recovery Act (RCRA), an amendment to the Solid Waste Disposal Act, was passed in 1976. The main reason for the amendment was to address the growing volume of municipal and industrial solid waste generated across the United States. A few goals established by RCRA include: to protect human health and the environment from potential hazards of waste disposal, to reduce the amount of waste generated, and to ensure that waste produced is managed in an environmentally sound manner.

When RCRA was written, U.S. Congress' intent was for the states to assume primary responsibility for implementing the hazardous waste regulations with oversight from the United States Environmental Protection Agency (U.S. EPA). U.S. EPA must approve each state as an authorized state. To become an authorized state, each must demonstrate that the state program is at least equivalent to and consistent with federal laws, provides adequate enforcement authority and provides availability of information similar to the federal program. Since 1989, the State of Ohio has been an authorized state by U.S. EPA for the majority of their hazardous waste program.

Currently, the State of Ohio is not authorized by U.S. EPA to issue a permit for organic air emissions (40 CFR Part 264, Subparts AA, BB, and CC) from hazardous waste storage units. U.S. EPA has drafted a RCRA permit to address organic air emissions from hazardous waste storage units. U.S. EPA's draft permit and the State of Ohio's draft permit have been issued concurrently and both share the same comment period.

# Draft Hazardous Waste Permit Renewal

## How can I become more involved?

A public meeting will be held on January 12, 2017 at 5pm at Brooklyn Branch of the Cleveland Public Library, 3706 Pearl Rd., Cleveland, OH 44109 to receive public comments. Oral comments will be received during the public meeting. All persons, including the applicant, may submit written comments relating to this draft action. Written comments may be submitted before the end of the comment period to the address in the box on the left side of the first page. Written comments for the federal portion of the permit should be submitted to U.S. EPA to the address listed in the box on the left side of the first page.

U.S. EPA follows the public comment, permit issuance and appeal procedures at 40 C.F.R. §§ 124.11 – 124.19. At the public hearing, you will have an opportunity to submit written comments, ask questions, make statements, and otherwise discuss any concerns about the permit with Ohio and U.S. EPA staff.

The comment period begins on November 29, 2016, and ends on January 20, 2017. Copies of the permit application and the draft permit are available for review by the public at the following locations:

Ohio EPA, Northeast District Office  
2110 E. Aurora Road  
Twinsburg, Ohio, 44087  
(330) 963-1200

Ohio EPA, Central Office  
Division of Environmental Response and Revitalization  
Lazarus Government Center  
50 West Town St., Suite 700  
Columbus, Ohio 43215  
(614) 644-2924

U.S. EPA, Region 5  
RCRA Branch, LR-8J  
77 West Jackson Boulevard

Chicago, Illinois 60604-3590  
(312) 886-3781

Copies of the Ohio draft permit and the federal draft permit are available for review by the public at:

Cleveland Public Library  
Brooklyn Branch  
3706 Pearl Road  
Cleveland, Ohio 44109  
[216] 623-6920

The Ohio draft permit is available for review by the public online under the “What’s New” tab at:

[www.epa.ohio.gov/derr](http://www.epa.ohio.gov/derr)

The entire record for this draft action is available via Ohio EPA’s eDocument portal:

<http://edocpub.epa.ohio.gov/publicportal/edoc/home.aspx>

Using the search function, search under the document type of “Permit” and then refine the search using the package number which is “205”.

The federal draft permit is available for review by the public online at:

[www.epa.gov/region5/waste/permits/actions.htm](http://www.epa.gov/region5/waste/permits/actions.htm)

After the close of the public comment period, Ohio EPA and U.S. EPA will review all comments received and decide whether to issue the permit. The final decision will include notification to those who submitted written comments during the official comment period. Ohio EPA and U.S. EPA will also prepare and send to all responders a document answering significant comments.

Within thirty (30) days of a final decision, any person who submitted written comments or

# Draft Hazardous Waste Permit Renewal

made a statement at the hearing may appeal Ohio EPA's decision to the Environmental Review Appeals Commission.

Any person who submitted written comments or made a statement at the hearing to the federal portion of the permit may appeal to U.S. EPA to review the decision.

## What does the facility do?

Chemical Solvents, Inc. (Denison) facility produces blends of both virgin and reclaimed solvents for the paint, metal, chemical and other allied industries using organic solvents. They recycle dirty or spent hazardous waste solvents for either turnaround to generators or for resale. Hazardous waste is managed onsite in containers and tanks. In addition, the facility blends hazardous waste for fuels which they market to industrial customers (cement kilns, incinerators, etc.)

## What would this hazardous waste permit allow the facility to do?

This draft permit would allow Chemical Solvents, Inc. to continue to conduct the following activities:

- Store 71,500 gallons of containerized hazardous waste on the Outside Drum Storage Pad;
- Store 11,000 gallons of hazardous waste in containers on the Inside Drum Storage Pad;
- Store 88.4 cubic yards of hazardous waste in containers on the Auger Storage Pad;
- Store 156,000 gallons of hazardous waste in 14 tanks;
- Treat 88,000 gallons of hazardous waste in 7 tanks.

## What is the regulatory basis to support this permit renewal?

The Director has determined that Chemical Solvents, Inc. has submitted an application for renewal one hundred eighty (180) days prior to

the expiration date of its present permit which was issued by Ohio EPA on February 5, 2005. The Director has considered the application, inspection reports, a report regarding the facility's compliance with the present permit, and the rules adopted under ORC Section 3734. The Director has found that the Part B permit application meets the Director's performance standards and that the facility has a history of compliance with this chapter, rules adopted under it, the existing permit, and orders entered into, which demonstrates reliability, expertise, and competency to subsequently operate the facility under this chapter, the rules, and the permit.

## Who can I contact for more information?

For additional information, please contact Thomas Roth at (330) 963-1231 or Jae Lee of the U.S. EPA Regional Office in Chicago, Illinois at (800) 621-8431 ext. 6-3781.

For a Spanish version of this fact sheet or the public notice, please contact John Nyers at (614) 644-2924 or at [john.nyers@epa.ohio.gov](mailto:john.nyers@epa.ohio.gov).





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

NOV 29 2016

REPLY TO THE ATTENTION OF:

Mr. Bradley Mitchell  
Ohio Environmental Protection Agency  
Division of Hazardous Waste Management  
Post Office Box 1049  
Columbus, Ohio 43266-0149

Re: Draft Federal RCRA Permit, Chemical Solvents, Inc.  
Cleveland, Ohio, OHD 980 897 656

Dear Mr. Mitchell:

Enclosed please find a copy of the draft Federal Resource Conservation and Recovery Act permit and cover letter to the above-referenced facility.

If you have any questions, please contact Jae Lee of my staff at (312) 886-3781.

Sincerely,

A handwritten signature in blue ink that reads "Mary S. Setnicar".

Mary S. Setnicar, Chief  
RCRA/TSCA Programs Section  
Land and Chemicals Division

Enclosure







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

NOV 29 2016

REPLY TO THE ATTENTION OF:

Reference Desk Librarian  
Cleveland Public Library  
Brooklyn Branch  
3706 Pearl Road  
Cleveland, OH 44109.

Re: Draft Federal RCRA, Chemical Solvents Inc.  
Cleveland, Ohio, OHD 980 897 656

Dear Madam or Sir:

The U.S. Environmental Protection Agency intends to issue a draft Hazardous Waste Management permit to Chemical Solvent Inc., Cleveland, Ohio.

The draft Federal RCRA permit will be publicly noticed in the Cleveland Plain Dealer newspaper and radio station WTAM 1100 in Cleveland on and about November 29, 2016. A copy of the draft Federal RCRA permit is available for review at the Cleveland Public Library, Brooklyn Branch, 3706 Pearl Road, Cleveland, OH 44109. The public comment period lasts from November 29, 2016 to January 20, 2017. A public meeting will be held to receive comments on January 12, 2017, at 5:00 p.m. at the Cleveland Public Library, Brooklyn Branch, 3706 Pearl Road, Cleveland, OH 44109.

Please make available for public examination this letter and the enclosed documents for at least seventy-five (75) days under "Reference Materials – Chemical Solvents Inc.". The following items are enclosed.

- Draft Permit
- Fact Sheet
- Public Notice

Thank you for your assistance. If you have any questions, please call me at 312-886-3781.

Sincerely,

A handwritten signature in cursive script, appearing to read "Jae B. Lee".

Jae B. Lee, Permit Writer  
RCRA Branch  
Land and Chemicals Division

