



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

PLAN APPROVAL

Issue Date: April 3, 2025 Effective Date: October 1, 2026
Revision Date: September 23, 2026 Expiration Date: March 29, 2027
Revision Type: Extension

In accordance with the provisions of the Air Pollution Control Act, the Act of January 8, 1960, P.L. 2119, as amended, and 25 Pa. Code Chapter 127, the Owner, [and Operator if noted] (hereinafter referred to as permittee) identified below is authorized by the Department of Environmental Protection (Department) to construct, install, modify or reactivate the air emission source(s) more fully described in the site inventory list. This Facility is subject to all terms and conditions specified in this plan approval. Nothing in this plan approval relieves the permittee from its obligations to comply with all applicable Federal, State and Local laws and regulations.

The regulatory or statutory authority for each plan approval condition is set forth in brackets. All terms and conditions in this permit are federally enforceable unless otherwise designated as "State-Only" requirements.

Plan Approval No. 15-0164

Federal Tax Id - Plant Code: 84-2172128-1

Owner Information

Name: ZEKS COMPRESSED AIR SOLUTIONS LLC
Mailing Address: 1302 GOSHEN PKWY
WEST CHESTER, PA 19380-5985

Plant Information

Plant: ZEKS COMPRESSED AIR SOLUTIONS/INGERSOLL RAND WEST CHESTER
Location: 15 Chester County 15919 East Goshen Township
SIC Code: 3585 Manufacturing - Refrigeration And Heating Equipment

Responsible Official

Name: HENRY SONG
Title: DIR OF OPR, AIR TRMT
Phone: (352) 547 - 9518 Email: henrysong@irco.com

Plan Approval Contact Person

Name: CLAYTON DALE
Title: REG EHS MGR
Phone: (267) 481 - 5283 Email: clayton.dale@irco.com

[Signature] _____
JILLIAN A. GALLAGHER, SOUTHEAST REGION AIR PROGRAM MANAGER



Plan Approval Description

This plan approval is for the operation of two existing paint booths and an existing remote reservoir cold cleaning machine, as well as associated and additional coating, adhesive, adhesive primer, and cleaning solvent usage, at an existing facility.



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Note: These same sub-sections are repeated for each source!

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**SECTION A. Plan Approval Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
101	DESICCANT PAINT BOOTH	N/A	COATINGS & CLEANING SC
102	COIL SHOP PAINT BOOTH	N/A	COATINGS & CLEANING SC
103	REMOTE RESERVOIR COLD CLEANING MACHINE	N/A	PETRO DIST (LIGHT HYDR)
104	ADHESIVE & ADHESIVE PRIMER USAGE	N/A	ADHESIVES & ADHESIVE PI
C101	DESICCANT PAINT BOOTH EXHAUST FILTER PADS		
C102	COIL SHOP PAINT BOOTH EXHAUST FILTER PADS		
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PERMIT MAPS

PROC 101	→	CNTL C101	→	STAC S101
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PROC 103	→	STAC Z103		
PROC 104	→	STAC Z104		

**SECTION B. General Plan Approval Requirements****#001 [25 Pa. Code § 121.1]****Definitions**

Words and terms that are not otherwise defined in this plan approval shall have the meanings set forth in Section 3 of the Air Pollution Control Act (35 P.S. § 4003) and 25 Pa. Code § 121.1.

#002 [25 Pa. Code § 127.12b (a) (b)]**Future Adoption of Requirements**

The issuance of this plan approval does not prevent the future adoption by the Department of any rules, regulations or standards, or the issuance of orders necessary to comply with the requirements of the Federal Clean Air Act or the Pennsylvania Air Pollution Control Act, or to achieve or maintain ambient air quality standards. The issuance of this plan approval shall not be construed to limit the Department's enforcement authority.

#003 [25 Pa. Code § 127.12b]**Plan Approval Temporary Operation**

This plan approval authorizes temporary operation of the source(s) covered by this plan approval provided the following conditions are met.

(a) When construction, installation, modification, or reactivation is being conducted, the permittee shall provide written notice to the Department of the completion of the activity approved by this plan approval and the permittee's intent to commence operation at least five (5) working days prior to the completion of said activity. The notice shall state when the activity will be completed and when the permittee expects to commence operation. When the activity involves multiple sources on different time schedules, notice is required for the commencement of operation of each source.

(b) Pursuant to 25 Pa. Code § 127.12b (d), temporary operation of the source(s) is authorized to facilitate the shakedown of sources and air cleaning devices, to permit operations pending the issuance of a permit under 25 Pa. Code Chapter 127, Subchapter F (relating to operating permits) or Subchapter G (relating to Title V operating permits) or to permit the evaluation of the air contaminant aspects of the source.

(c) This plan approval authorizes a temporary operation period not to exceed 180 days from the date of commencement of operation, provided the Department receives notice from the permittee pursuant to paragraph (a), above.

(d) The permittee may request an extension of the 180-day shakedown period if further evaluation of the air contamination aspects of the source(s) is necessary. The request for an extension shall be submitted, in writing, to the Department at least 30 days prior to the end of the initial 180-day shakedown period and shall provide a description of the compliance status of the source, a detailed schedule for establishing compliance, and the reasons compliance has not been established. This temporary operation period will be valid for a limited time and may be extended for additional limited periods, each not to exceed 180 days.

(e) The notice submitted by the permittee pursuant to subpart (a) above, prior to the expiration of the plan approval, shall modify the plan approval expiration date on Page 1 of this plan approval. The new plan approval expiration date shall be 180 days from the date of commencement of operation.

#004 [25 Pa. Code § 127.12(a) (10)]**Content of Applications**

The permittee shall maintain and operate the sources and associated air cleaning devices in accordance with good engineering practice as described in the plan approval application submitted to the Department.

#005 [25 Pa. Code §§ 127.12(c) and (d) & 35 P.S. § 4013.2]**Public Records and Confidential Information**

(a) The records, reports or information obtained by the Department or referred to at public hearings shall be available to the public, except as provided in paragraph (b) of this condition.

(b) Upon cause shown by the permittee that the records, reports or information, or a particular portion thereof, but not emission data, to which the Department has access under the act, if made public, would divulge production or sales figures or methods, processes or production unique to that person or would otherwise tend to affect adversely the

**SECTION B. General Plan Approval Requirements**

competitive position of that person by revealing trade secrets, including intellectual property rights, the Department will consider the record, report or information, or particular portion thereof confidential in the administration of the act. The Department will implement this section consistent with sections 112(d) and 114(c) of the Clean Air Act (42 U.S.C.A. § 7412(d) and 7414(c)). Nothing in this section prevents disclosure of the report, record or information to Federal, State or local representatives as necessary for purposes of administration of Federal, State or local air pollution control laws, or when relevant in a proceeding under the act.

#006 [25 Pa. Code § 127.12b]**Plan Approval Terms and Conditions**

[Additional authority for this condition is derived from 25 Pa. Code Section 127.13]

(a) This plan approval will be valid for a limited time, as specified by the expiration date contained on Page 1 of this plan approval. Except as provided in § § 127.11a and 127.215 (relating to reactivation of sources; and reactivation), at the end of the time, if the construction, modification, reactivation or installation has not been completed, a new plan approval application or an extension of the previous approval will be required.

(b) If construction has commenced, but cannot be completed before the expiration of this plan approval, an extension of the plan approval must be obtained to continue construction. To allow adequate time for departmental action, a request for the extension shall be postmarked at least thirty (30) days prior to the expiration date. The request for an extension shall include the following:

- (i) A justification for the extension,
- (ii) A schedule for the completion of the construction

If construction has not commenced before the expiration of this plan approval, then a new plan approval application must be submitted and approval obtained before construction can commence.

(c) If the construction, modification or installation is not commenced within 18 months of the issuance of this plan approval or if there is more than an 18-month lapse in construction, modification or installation, a new plan approval application that meets the requirements of 25 Pa. Code Chapter 127, Subchapter B (related to plan approval requirements), Subchapter D (related to prevention of significant deterioration of air quality), and Subchapter E (related to new source review) shall be submitted. The Department may extend the 18-month period upon a satisfactory showing that an extension is justified.

#007 [25 Pa. Code § 127.32]**Transfer of Plan Approvals**

(a) This plan approval may not be transferred from one person to another except when a change of ownership is demonstrated to the satisfaction of the Department and the Department approves the transfer of the plan approval in writing.

(b) Section 127.12a (relating to compliance review) applies to a request for transfer of a plan approval. A compliance review form shall accompany the request.

(c) This plan approval is valid only for the specific source and the specific location of the source as described in the application.

#008 [25 Pa. Code § 127.12(a)(4) & 35 P.S. § 4008 & § 114 of the CAA]**Inspection and Entry**

(a) Pursuant to 35 P.S. § 4008, no person shall hinder, obstruct, prevent or interfere with the Department or its personnel in the performance of any duty authorized under the Air Pollution Control Act.

(b) The permittee shall also allow the Department to have access at reasonable times to said sources and associated air cleaning devices with such measuring and recording equipment, including equipment recording visual observations, as the Department deems necessary and proper for performing its duties and for the effective enforcement of the Air Pollution Control Act and regulations adopted under the act.

**SECTION B. General Plan Approval Requirements**

(c) Nothing in this plan approval condition shall limit the ability of the Environmental Protection Agency to inspect or enter the premises of the permittee in accordance with Section 114 or other applicable provisions of the Clean Air Act.

#009 [25 Pa. Code 127.13a]**Plan Approval Changes for Cause**

This plan approval may be terminated, modified, suspended or revoked and reissued if one or more of the following applies:

(a) The permittee constructs or operates the source subject to the plan approval in violation of the act, the Clean Air Act, the regulations promulgated under the act or the Clean Air Act, a plan approval or permit or in a manner that causes air pollution.

(b) The permittee fails to properly or adequately maintain or repair an air pollution control device or equipment attached to or otherwise made a part of the source.

(c) The permittee fails to submit a report required by this plan approval.

(d) The Environmental Protection Agency determines that this plan approval is not in compliance with the Clean Air Act or the regulations thereunder.

#010 [25 Pa. Code §§ 121.9 & 127.216]**Circumvention**

(a) The permittee, or any other person, may not circumvent the new source review requirements of 25 Pa. Code Chapter 127, Subchapter E by causing or allowing a pattern of ownership or development, including the phasing, staging, delaying or engaging in incremental construction, over a geographic area of a facility which, except for the pattern of ownership or development, would otherwise require a permit or submission of a plan approval application.

(b) No person may permit the use of a device, stack height which exceeds good engineering practice stack height, dispersion technique or other technique which, without resulting in reduction of the total amount of air contaminants emitted, conceals or dilutes an emission of air contaminants which would otherwise be in violation of this plan approval, the Air Pollution Control Act or the regulations promulgated thereunder, except that with prior approval of the Department, the device or technique may be used for control of malodors.

#011 [25 Pa. Code § 127.12c]**Submissions**

Reports, test data, monitoring data, notifications shall be submitted to the:

Regional Air Program Manager

PA Department of Environmental Protection

(At the address given on the plan approval transmittal letter or otherwise notified)

#012 [25 Pa. Code § 127.12(a)(9) & 40 CFR Part 68]**Risk Management**

(a) If required by Section 112(r) of the Clean Air Act, the permittee shall develop and implement an accidental release program consistent with requirements of the Clean Air Act, 40 CFR Part 68 (relating to chemical accident prevention provisions) and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act (P.L. 106-40).

(b) The permittee shall prepare and implement a Risk Management Plan (RMP) which meets the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68 and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act when a regulated substance listed in 40 CFR § 68.130 is present in a process in more than the listed threshold quantity at the facility. The permittee shall submit the RMP to the Environmental Protection Agency according to the following schedule and requirements:

(1) The permittee shall submit the first RMP to a central point specified by the Environmental Protection Agency no later than the latest of the following:

**SECTION B. General Plan Approval Requirements**

- (i) Three years after the date on which a regulated substance is first listed under § 68.130; or,
- (ii) The date on which a regulated substance is first present above a threshold quantity in a process.

(2) The permittee shall submit any additional relevant information requested by the Department or the Environmental Protection Agency concerning the RMP and shall make subsequent submissions of RMPs in accordance with 40 CFR § 68.190.

(3) The permittee shall certify that the RMP is accurate and complete in accordance with the requirements of 40 CFR Part 68, including a checklist addressing the required elements of a complete RMP.

(c) As used in this plan approval condition, the term "process" shall be as defined in 40 CFR § 68.3. The term "process" means any activity involving a regulated substance including any use, storage, manufacturing, handling, or on-site movement of such substances or any combination of these activities. For purposes of this definition, any group of vessels that are interconnected, or separate vessels that are located such that a regulated substance could be involved in a potential release, shall be considered a single process.

#013 [25 Pa. Code § 121.7]**Prohibition of Air Pollution**

No person may permit air pollution as that term is defined in the Air Pollution Control Act (35 P.S. §§ 4001-4015).

#014 [25 Pa. Code § 127.25]**Compliance Requirement**

A person may not cause or permit the operation of a source subject to § 127.11 (relating to plan approval requirements), unless the source and air cleaning devices identified in the application for the plan approval and the plan approval issued to the source, are operated and maintained in accordance with specifications in the application and conditions in the plan approval issued by the Department. A person may not cause or permit the operation of an air contamination source subject to this chapter in a manner inconsistent with good operating practices.

**SECTION C. Site Level Plan Approval Requirements****I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §121.7]****Prohibition of air pollution.**

The permittee shall not cause or permit air pollution as that term is defined in the Air Pollution Control Act (35 P.S. § 4003).

002 [25 Pa. Code §123.1]**Prohibition of certain fugitive emissions**

The permittee shall ensure that emission into the outdoor atmosphere of fugitive air contaminants does not occur from any source, except for the following:

- (a) Construction or demolition of buildings or structures.
- (b) Grading, paving, and maintenance of roads and streets.
- (c) Use of roads and streets. Emissions from material in or on trucks, railroad cars, and other vehicular equipment are not considered as emissions from use of roads and streets.
- (d) Clearing of land.
- (e) Stockpiling of materials.
- (f) Open burning operations, as specified in 25 Pa. Code § 129.14.
- (g) Sources and classes of sources other than those indicated in (a)–(f), above, for which the operator has obtained a determination from the Department, in accordance with 25 Pa. Code § 123.1(b), that fugitive air contaminant emissions from the sources, after appropriate controls, meet the following requirements:
 - (1) The emissions are of minor significance with respect to causing air pollution.
 - (2) The emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

003 [25 Pa. Code §123.2]**Fugitive particulate matter**

The permittee shall ensure that emission into the outdoor atmosphere of fugitive particulate matter (PM) from a source(s) specified in 25 Pa. Code § 123.1 occurs in such a manner that the emission is not visible at the point it passes outside the person's property.

004 [25 Pa. Code §123.31]**Limitations**

The permittee shall ensure that emission into the outdoor atmosphere of any malodorous air contaminants from any source occurs in such a manner that the malodors are not detectable outside the property of the person on whose land the source is being operated.

005 [25 Pa. Code §123.41]**Limitations**

The permittee shall ensure that emission into the outdoor atmosphere of visible air contaminants from any source occurs in such a manner that the opacity of the emission is neither of the following:

- (a) Equal to or greater than 20% for a period or periods aggregating more than 3 minutes in any 1 hour.
- (b) Equal to or greater than 60% at any time.

006 [25 Pa. Code §123.42]**Exceptions**

The emission restrictions specified in 25 Pa. Code § 123.41 shall not apply to a visible air contaminant emission in either of the following instances:

**SECTION C. Site Level Plan Approval Requirements**

(a) When the presence of uncombined water is the only reason for failure of the emission to meet the restrictions.

(b) When the emission results from a source(s) specified in 25 Pa. Code § 123.1.

007 [25 Pa. Code §129.14]**Open burning operations**

The permittee shall not perform any open burning activities, except for the following:

(a) A fire set to prevent or abate a fire hazard, when approved by the Department and set by or under the supervision of a public officer.

(b) A fire set for the purpose of instructing personnel in fire fighting, when approved by the Department.

(c) A fire set for the prevention and control of disease or pests, when approved by the Department.

(d) A fire set in conjunction with the production of agricultural commodities in their unmanufactured state on the premises of the farm operation.

(e) A fire set for the purpose of burning domestic refuse, when the fire is on the premises of a structure occupied solely as a dwelling by two families or less and when the refuse results from the normal occupancy of the structure.

(f) A fire set solely for recreational or ceremonial purposes.

(g) A fire set solely for cooking food.

008 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

The permittee shall ensure that emission into the outdoor atmosphere of volatile organic compound (VOCs) from this facility occurs in such a manner that the rate of the emission is less than 10 tons/yr (as a 12-month rolling sum, calculated monthly).

009 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

The permittee shall ensure that emission into the outdoor atmosphere of hazardous air pollutants (HAPs) from this facility occurs in such a manner that the rate of the emission is less than 10 tons/yr (as a 12-month rolling sum, calculated monthly).

II. TESTING REQUIREMENTS.**# 010 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

(a) If, at any time, the Department has cause to believe that air contaminant emissions from any source(s) listed in Sections A or H, of this plan approval, may be in excess of the restrictions specified in this plan approval or established pursuant to any applicable rule or regulation contained in 25 Pa. Code, Part I, Subpart C, Article III, the permittee shall be required to perform whatever test(s) is deemed necessary by the Department to determine the actual emission rate(s).

(b) The permittee shall perform any test(s) required in (a), above, in accordance with the provisions of 25 Pa. Code Chapter 139, when applicable, and any restrictions or limitations established by the Department at such time as it notifies the permittee that testing is required.

III. MONITORING REQUIREMENTS.**# 011 [25 Pa. Code §123.43]****Measuring techniques**

The permittee may measure visible air contaminant emissions using either of the following:

(a) A device approved by the Department and maintained to provide accurate opacity measurements.

**SECTION C. Site Level Plan Approval Requirements**

(b) Observers, trained and qualified to measure plume opacity with the naked eye or with the aid of any devices approved by the Department.

012 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

(a) The permittee shall monitor this facility, at least once per operating day, for the following:

- (1) Odors, which may be objectionable (as per 25 Pa. Code § 123.31).
- (2) Visible air contaminant emissions (as per 25 Pa. Code §§ 123.41 and 123.42).
- (3) Fugitive air contaminant emissions (as per 25 Pa. Code §§ 123.1 and 123.2).

(b) Objectionable odors, visible air contaminant emissions, and/or fugitive air contaminant emissions that are caused or may be caused by operations at the facility shall:

- (1) Be investigated.
- (2) Be reported to the facility management, or individual(s) designated by the permittee.
- (3) Have appropriate corrective action taken (for emissions that originate on-site).
- (4) Be recorded in a permanent written log.

(c) After 6 months of daily monitoring, upon the permittee's request, the Department will determine the feasibility of decreasing the frequency of monitoring to weekly.

(d) After 6 months of weekly monitoring, upon the permittee's request, the Department will determine the feasibility of decreasing the frequency of monitoring to monthly.

(e) The Department reserves the right to change the above monitoring requirements at any time, based on, but not limited to, the review of complaints, monitoring results, and/or Department findings.

013 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

The permittee shall calculate the following emissions from this facility on a monthly and 12-month rolling basis, using a Department-approved method(s):

- (a) The total VOC emissions.
- (b) The total emissions of each individual HAP.
- (c) The total emissions of all combined HAPs.

014 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

The permittee shall monitor the amounts (gallons and pounds) of the following coating materials and cleaning solvents used at this facility:

- (a) Each as supplied coating, thinner, additive, and cleaning solvent, on a monthly basis.
- (b) Each as applied coating and cleaning solvent, on a monthly basis.

**SECTION C. Site Level Plan Approval Requirements****IV. RECORDKEEPING REQUIREMENTS.****# 015 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The permittee shall maintain all records, reports, analysis results, monitoring data, and supporting information (including calibration data, maintenance records, and original strip-chart recordings for continuous monitoring instrumentation) generated in compliance with the requirements of any section of this plan approval for at least 5 years from the date that they are generated, and shall make them available to the Department upon written or verbal request within a reasonable time.

[Compliance with this streamlined plan approval condition assures compliance with 25 Pa. Code §§ 129.52d(f)(3) and 129.77(q)(1)–(2).]

016 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

(a) The permittee shall maintain records of all monitoring of odors, visible air contaminant emissions, and fugitive air contaminant emissions for this facility, including deviations from the conditions found in Conditions # 002–005, Section C, of this plan approval. All records of deviations shall include, at a minimum, the following for each incident:

- (1) A description of the deviation.
- (2) The source(s) and/or associated air pollution control device(s) and location(s).
- (3) The duration (including the starting and ending date(s) and times).
- (4) The cause(s).
- (5) The corrective action(s) taken, if necessary to abate the situation and prevent future occurrences.

(b) The permittee shall maintain records of the monitoring in a Department-approved format and time frame.

017 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

The permittee shall maintain records of all of this facility's emission increases, including the following types, in accordance with 25 Pa. Code § 127.449:

- (a) De minimis emission increases without notification to the Department.
- (b) De minimis emission increases with notification to the Department, via letter.
- (c) Emission increases resulting from a Request for Determination of Changes of Minor Significance and Exemption from Plan Approval/Operating Permit (RFD) to the Department.
- (d) Emission increases resulting from the issuance of a plan approval and subsequent operating permit.

018 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

The permittee shall maintain records of the following emissions from this facility on a monthly and 12-month rolling basis, calculated using a Department-approved method(s):

- (a) The total VOC emissions.
- (b) The total emissions of each individual HAP.
- (c) The total emissions of all combined HAPs.

019 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

[Additional authority for this plan approval condition is derived from 25 Pa. Code § 129.52d(f)(1)(i)–(iv).]

**SECTION C. Site Level Plan Approval Requirements**

The permittee shall maintain records of the following operating parameters for the coating materials and cleaning solvents used at this facility:

(a) The following for each as supplied coating, thinner, additive, and cleaning solvent used:

- (1) The name and identification number.
- (2) The date, container type, and amount (gallons and pounds) purchased.
- (3) The amount (gallons and pounds) used, on a monthly basis.
- (4) The mix ratio (except for cleaning solvents).
- (5) The density and/or specific gravity.
- (6) The total volatiles content (weight percent and volume percent).
- (7) The water content (weight percent and volume percent).
- (8) The exempt compounds content (weight percent and volume percent).
- (9) The solids content (volume percent).

(10) The VOC content (weight percent; lbs/gal, less water and exempt compounds; and lbs/gal of coating solids), obtained from one of the following:

- (i) An environmental data sheet (EDS).
- (ii) A certified product data sheet (CPDS).
- (iii) A safety data sheet (SDS). If the VOC content value is reported as a range, the upper bound of the range shall be considered the actual value.
- (iv) Testing in accordance with EPA Method 24, as specified in 40 CFR Part 60, Appendix A.
- (v) An alternative method, as approved by the Department.

(11) The individual and combined HAP contents (weight percent), obtained in the same manner as (a)(10), above, or calculated using a Department-approved method(s).

(b) The following for each as applied coating used, calculated using a Department-approved method(s):

- (1) The amount (gallons and pounds) used, on a monthly and 12-month rolling basis, calculated using a Department-approved method(s).
- (2) The application process(es) (e.g., manual, mechanical atomized, mechanical non-atomized, controlled paint, etc.) and associated percentages (if more than one).
- (3) The VOC content (weight percent), calculated using a Department-approved method(s).
- (4) The individual and combined HAP contents (weight percent), calculated using a Department-approved method(s).

(c) The following for each as applied cleaning solvent used, calculated using a Department-approved method(s):

- (1) The amount (gallons and pounds) used, on a monthly and 12-month rolling basis, calculated using a Department-approved method(s).

**SECTION C. Site Level Plan Approval Requirements**

(2) The VOC content (weight percent), calculated using a Department-approved method(s).

(3) The individual and combined HAP contents (weight percent), calculated using a Department-approved method(s).

V. REPORTING REQUIREMENTS.**# 020 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

(a) The permittee shall report malfunctions, emergencies, or incidents of excess emissions to the Department. A malfunction is any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. An emergency is any situation arising from sudden and reasonably unforeseeable events beyond the control of the owner or operator of a facility, which requires immediate corrective action to restore normal operation and which causes the emission source to exceed emissions, due to unavoidable increases in emissions attributable to the situation. An emergency shall not include situations caused by improperly-designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.

(b) When the malfunction, emergency, or incident of excess emissions poses an imminent danger to the public health, safety, welfare, or environment, it shall be reported to the Department by telephone at 800-541-2050, as well as to the County Emergency Management Agency by telephone, within 1 hour after the discovery of the malfunction, emergency, or incident of excess emissions. The owner or operator shall submit a written or e-mailed report of instances of such malfunctions, emergencies, or incidents of excess emissions to the Department within 3 business days of the telephone report.

(c) The report shall describe the following:

- (1) The name, permit or authorization number, and location of the facility.
- (2) The nature and cause of the malfunction, emergency, or incident.
- (3) The date and time when the malfunction, emergency, or incident was first observed.
- (4) The expected duration of excess emissions.
- (5) The estimated rate of emissions.
- (6) The corrective actions or preventative measures taken.

(d) Any malfunction, emergency, or incident of excess emissions that is not subject to the notice requirements specified in (b), above, shall be reported to the Department by telephone at 800-541-2050 within 24 hours (or by 4:00 PM of the next business day, whichever is later) of discovery and in writing or by e-mail within 5 business days of discovery. The report shall contain the information listed in (c)(1)–(6), above, and any permit-specific malfunction reporting requirements.

(e) During an emergency, an owner or operator may continue to operate the source at their discretion, provided they submit justification for continued operation of a source during the emergency and follow all of the notification and reporting requirements, in accordance with (b)–(d), above, as applicable, including any permit-specific malfunction reporting requirements.

(f) Reports regarding malfunctions, emergencies, or incidents of excess emissions shall be submitted to the appropriate Regional Office Air Program Manager.

(g) Any emissions resulting from a malfunction or emergency are to be reported in the annual emissions inventory report, if the annual emissions inventory report is required by permit or authorization.

021 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

[Additional authority for this plan approval condition is derived from 40 CFR Part 68.]

**SECTION C. Site Level Plan Approval Requirements**

- (a) If required by Section 112(r) of the Clean Air Act, the permittee shall develop and implement an accidental release program consistent with all applicable provisions of the Clean Air Act, 40 CFR Part 68 (relating to chemical accident prevention provisions), and the Federal Chemical Safety Information, Site Security, and Fuels Regulatory Relief Act (PL 106-40).
- (b) The permittee shall prepare and implement a Risk Management Plan (RMP) that meets all applicable provisions of Section 112(r) of the Clean Air Act, 40 CFR Part 68, and the Federal Chemical Safety Information, Site Security, and Fuels Regulatory Relief Act when a regulated substance listed in 40 CFR § 68.130 is present in a process in more than the threshold quantity at this facility. The permittee shall submit the RMP to the United States Environmental Protection Agency (EPA) according to the following schedule and requirements:
- (1) The permittee shall submit the first RMP to a central point specified by EPA no later than the latest of the following:
 - (i) Three (3) years after the date on which a regulated substance is first listed in 40 CFR § 68.130.
 - (ii) The date on which a regulated substance is first present above a threshold quantity in a process.
 - (2) The permittee shall submit any additional relevant information requested by the Department or EPA concerning the RMP and shall make subsequent submissions of RMPs in accordance with 40 CFR § 68.190.
 - (3) The permittee shall certify that the RMP is accurate and complete in accordance with all applicable provisions of 40 CFR Part 68, including a checklist addressing the required elements of a complete RMP.
- (c) As used in this permit condition, the term "process" shall be as defined in 40 CFR § 68.3. The term "process" means any activity involving a regulated substance including any use, storage, manufacturing, handling, or on-site movement of such substances, or any combination of these activities. For purposes of this definition, any group of vessels that are interconnected, or separate vessels that are located such that a regulated substance could be involved in a potential release, shall be considered a single process.
- (d) If this facility is subject to any provisions of 40 CFR Part 68, as part of the certification required under this permit, the permittee shall perform the following:
- (1) Submit a compliance schedule for satisfying all applicable provisions of 40 CFR Part 68 by the date specified in 40 CFR § 68.10(a).
 - (2) Certify that the facility is in compliance with all applicable provisions of 40 CFR Part 68 including the registration and submission of the RMP.
- (e) If the facility is subject to any provisions of 40 CFR Part 68, the permittee shall maintain records supporting the implementation of an accidental release program for 5 years in accordance with 40 CFR § 68.200.
- (f) When the facility is subject to the accidental release program provisions of Section 112(r) of the Clean Air Act and 40 CFR Part 68, appropriate enforcement action will be taken by the Department if the permittee fails to register and submit the RMP or a revised plan pursuant to 40 CFR Part 68.

VI. WORK PRACTICE REQUIREMENTS.**# 022 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Additional authority for this plan approval condition is derived from 25 Pa. Code § 123.1(c).]

The permittee shall take all reasonable actions to prevent PM from a source(s) specified in 25 Pa. Code § 123.1 from becoming airborne. These actions shall include, but not be limited to, the following:

- (a) Use, where possible, of water or suitable chemicals, for control of dust in the demolition of buildings or structures, construction operations, the grading of roads, or the clearing of land.

**SECTION C. Site Level Plan Approval Requirements**

(b) Application of asphalt, oil, water, or suitable chemicals on dirt roads, material stockpiles, and other surfaces that may give rise to airborne dusts.

(c) Paving and maintenance of roadways.

(d) Prompt removal of earth or other material from paved roads onto which earth or other material has been transported by trucking or earth moving equipment, erosion by water, or other means.

023 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

[Additional authority for this plan approval condition is derived from 25 Pa. Code § 127.444.]

The permittee shall ensure that the source(s) and associated air pollution control device(s) listed in Section A, of this plan approval, are operated and maintained in a manner consistent with good safety, operating and maintenance, and air pollution control practices, as applicable, and in accordance with the manufacturers' specifications.

024 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

The permittee shall immediately, upon discovery, implement measures, which may include the application for the installation of an air pollution control device(s), if necessary, to reduce the air contaminant emissions to within applicable restrictions, if at any time the operation of a source(s) listed in Section A, of this plan approval, is causing the emission of air contaminants in excess of the restrictions specified in this permit or established pursuant to any applicable rule or regulation contained in 25 Pa. Code, Part I, Subpart C, Article III.

025 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

[Additional authority for this plan approval condition is derived from 25 Pa. Code §§ 129.52d(i)–(j) and 129.77(h).]

The permittee shall ensure that the VOC-containing coating materials, cleaning solvents, and coating-related waste materials at this facility are managed in accordance with the following good air pollution control practices:

(a) Storing all VOC-containing coating materials, cleaning solvents, and coating-related waste materials, as well as used shop towels containing these same materials, in nonabsorbent, nonleaking containers. The containers shall be kept closed at all times except when adding or removing VOC-containing coating materials, cleaning solvents, or coating-related waste materials.

(b) Keeping all mixing vessels that contain VOC-containing coating materials closed at all times, except when adding to, removing, or mixing the contents.

(c) Minimizing spills of VOC-containing coating materials, cleaning solvents, or coating-related waste materials, and cleaning up spills promptly.

(d) Conveying VOC-containing coating materials, cleaning solvents, and coating-related waste materials from one location to another in closed containers or pipes.

(e) Minimizing VOC emissions from the cleaning of application, storage, mixing, and conveying equipment by ensuring that equipment cleaning is performed without atomizing the cleaning solvent and that all spent cleaning solvent is captured in closed containers.

026 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

[Additional authority for this plan approval condition is derived from 25 Pa. Code § 129.52d(d)(1).]

Except as specified in Condition # 027, Section C, of this plan approval, the permittee shall ensure that the VOC content of any as applied coating used at this facility does not exceed the following limits:

Coating Type

Lbs/gal, Less Water and Exempt Compounds

**SECTION C. Site Level Plan Approval Requirements**

General One-Component	2.8
Heat-Resistant	3.5

VII. ADDITIONAL REQUIREMENTS.**# 027 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Additional authority for this plan approval condition is derived from 25 Pa. Code § 129.52d(a)(5)(i).]

The VOC content limits specified in Condition # 025, Section C, of this plan approval, do not apply to the use or application of aerosol coatings that meet the requirements of 40 CFR Part 59, Subpart E, including the E236 Urethane Mold Release manufactured by Stoner, Inc.

VIII. COMPLIANCE CERTIFICATION.

No additional compliance certifications exist except as provided in other sections of this plan approval including Section B (relating to Plan Approval General Requirements).

IX. COMPLIANCE SCHEDULE.

#028 30-JUN-25

On or before June 30, 2025, the permittee shall replace the non-compliant, heat-resistant coatings used in the desiccant paint booth (Source ID 101) at this facility (i.e., the TemperKote 850 coatings manufactured by Flame Control Coatings, LLC) with compliant, heat-resistant coatings.

**SECTION D. Source Level Plan Approval Requirements**

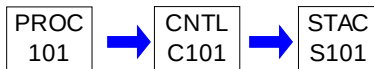
Source ID: 101

Source Name: DESICCANT PAINT BOOTH

Source Capacity/Throughput:

N/A

COATINGS & CLEANING SOLVENT

**I. RESTRICTIONS.****Emission Restriction(s).**

001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Additional authority for this plan approval condition is derived from 25 Pa. Code § 123.13(c)(1)(i).]

The permittee shall ensure that emission into the outdoor atmosphere of PM from this paint booth occurs in such a manner that the concentration of PM in the exhaust gas does not exceed 0.04 grains per dry standard cubic foot (gr/dscf).

Operation Hours Restriction(s).

002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall ensure that the total operating time of this paint booth does not exceed 4,368 hours per year (as a 12-month rolling sum, calculated monthly).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

III. MONITORING REQUIREMENTS.

003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall monitor the hours of operation for this paint booth, on an operating day basis.

004 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall monitor the differential pressure across the exhaust filter pads (Source ID C01) associated with this paint booth, on an operating day basis.

IV. RECORDKEEPING REQUIREMENTS.

005 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall maintain records of the dates that the exhaust filter pads (Source ID C01) associated with this paint booth are replaced.

006 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall maintain records of the differential pressure across the exhaust filter pads (Source ID C01) associated with this paint booth, on an operating day basis.

007 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall maintain records of all inspections performed for the exhaust filter pads (Source ID C01) associated with this paint booth to verify that there are no missing filter pads, and no gaps between or holes in the filter pads.

**SECTION D. Source Level Plan Approval Requirements****# 008 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The permittee shall maintain records of the hours of operation for this paint booth, on an operating day, monthly, and 12-month rolling basis.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

VI. WORK PRACTICE REQUIREMENTS.**# 009 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The permittee shall ensure that high-volume, low-pressure (HVLP) spray coating is the only coating application method used to apply coatings in this paint booth. The permittee shall not use any other coating application method unless it obtains prior approval from the Department.

[Compliance with this streamlined plan approval condition assures compliance with 25 Pa. Code § 129.52d(g).]

010 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

The permittee shall operate and maintain a manometer or differential pressure gauge to indicate the differential pressure across the exhaust filter pads (Source ID C01) associated with this paint booth. The permittee shall maintain the differential pressure across the paint booth within the range of 0.12–0.50 inches of water.

011 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

(a) The permittee shall not operate this paint booth unless all exhaust air passes through the associated exhaust filter pads (Source ID C01) (i.e., there are no missing filter pads, and no gaps between or holes in the filter pads) before exhausting into the outdoor atmosphere.

(b) The permittee shall perform an inspection of the paint booth to verify that there are no missing filter pads, and no gaps between or holes in the filter pads, at least once per operating day.

012 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

The permittee shall ensure that the exhaust filter pads (Source ID C01) associated with this paint booth are replaced every 2 weeks, or as needed. A sufficient quantity of spare filter pads shall be kept on hand for replacement of deteriorated or ineffective filter pads.

VII. ADDITIONAL REQUIREMENTS.**# 013 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

This source consists of a desiccant paint booth, model no. IDBG-141220-B, manufactured by Global Finishing Solutions. HVLP spray guns are used to apply general one-component coatings and heat-resistant coatings onto steel and iron desiccant dryer assembly and steel filter/mist eliminator assembly parts. After coating, the parts are allowed to air dry inside or outside the paint booth.

**SECTION D. Source Level Plan Approval Requirements**

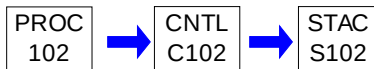
Source ID: 102

Source Name: COIL SHOP PAINT BOOTH

Source Capacity/Throughput:

N/A

COATINGS & CLEANING SOLVENT

**I. RESTRICTIONS.****Emission Restriction(s).**

001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Additional authority for this plan approval condition is derived from 25 Pa. Code § 123.13(c)(1)(i).]

The permittee shall ensure that emission into the outdoor atmosphere of PM from this paint booth occurs in such a manner that the concentration of PM in the exhaust gas does not exceed 0.04 gr/dscf.

Operation Hours Restriction(s).

002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall ensure that the total operating time of this paint booth does not exceed 4,368 hours per year (as a 12-month rolling sum, calculated monthly).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

III. MONITORING REQUIREMENTS.

003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall monitor the hours of operation for this paint booth, on an operating day basis.

004 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall monitor the differential pressure across the exhaust filter pads (Source ID C02) associated with this paint booth, on an operating day basis.

IV. RECORDKEEPING REQUIREMENTS.

005 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall maintain records of the hours of operation for this paint booth, on an operating day, monthly, and 12-month rolling basis.

006 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall maintain records of the differential pressure across the exhaust filter pads (Source ID C02) associated with this paint booth, on an operating day basis.

007 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall maintain records of all inspections performed for the exhaust filter pads (Source ID C02) associated with this paint booth to verify that there are no missing filter pads, and no gaps between or holes in the filter pads.

**SECTION D. Source Level Plan Approval Requirements****# 008 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The permittee shall maintain records of the dates that the exhaust filter pads (Source ID C02) associated with this paint booth are replaced.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

VI. WORK PRACTICE REQUIREMENTS.**# 009 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The permittee shall ensure that HVLP spray coating is the only coating application method used to apply coatings in this paint booth. The permittee shall not use any other coating application method unless it obtains prior approval from the Department.

[Compliance with this streamlined plan approval condition assures compliance with 25 Pa. Code § 129.52d(g).]

010 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

The permittee shall operate and maintain a manometer or differential pressure gauge to indicate the differential pressure across the exhaust filter pads (Source ID C02) associated with this paint booth. The permittee shall maintain the differential pressure across the paint booth within the range of 0.12–0.50 inches of water.

011 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

(a) The permittee shall not operate this paint booth unless all exhaust air passes through the associated exhaust filter pads (Source ID C02) before exhausting into the outdoor atmosphere.

(b) The permittee shall perform an inspection of the paint booth to verify that there are no missing filter pads, and no gaps between or holes in the filter pads, at least once per operating day.

012 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

The permittee shall ensure that the exhaust filter pads (Source ID C02) associated with this paint booth are replaced on a monthly basis, or as needed. A sufficient quantity of spare filter pads shall be kept on hand for replacement of deteriorated or ineffective filter pads.

VII. ADDITIONAL REQUIREMENTS.**# 013 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

This source consists of a coil shop paint booth. HVLP spray guns are used to apply general one-component coatings onto steel and iron refrigerated dryer sub-assembly parts. After coating, the parts are allowed to air dry inside or outside the paint booth.

**SECTION D. Source Level Plan Approval Requirements**

Source ID: 103

Source Name: REMOTE RESERVOIR COLD CLEANING MACHINE

Source Capacity/Throughput:

N/A

PETRO DIST (LIGHT HYDROTRE

PROC
103STAC
Z103**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

III. MONITORING REQUIREMENTS.**# 001 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The permittee shall monitor the following operating parameters for this remote reservoir cold cleaning machine on a monthly and 12-month rolling basis:

- (a) The amount of cleaning solvent added.
- (b) The amount of cleaning solvent removed/recycled.

002 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

The permittee shall calculate the VOC emissions from this remote reservoir cold cleaning machine on a monthly and 12-month rolling basis, using a Department-approved method.

IV. RECORDKEEPING REQUIREMENTS.**# 003 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The permittee shall maintain records of the following operating parameters for this remote reservoir cold cleaning machine on a monthly and 12-month rolling basis:

- (a) The amount of cleaning solvent added.
- (b) The amount of cleaning solvent removed/recycled.

004 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code § 129.63(a)(5)–(6).]

(a) The permittee shall maintain records of the following information for the cleaning solvent used in this remote reservoir cold cleaning machine:

- (1) The type of cleaning solvent used, including the product or vendor identification number.
- (2) The name and address of the cleaning solvent supplier.
- (3) The vapor pressure of the cleaning solvent (mm Hg, at 20 °C [68 °F]).

**SECTION D. Source Level Plan Approval Requirements**

(b) The permittee may use invoices, bills of sale, certificates that correspond to the number of sales, a CPDS, an SDS, or other appropriate documentation acceptable to the Department to demonstrate compliance with (a)(1)–(3), above.

005 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

The permittee shall maintain records of the VOC emissions from this remote reservoir cold cleaning machine on a monthly and 12-month rolling basis, calculated using a Department-approved method.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

VI. WORK PRACTICE REQUIREMENTS.**# 006 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code § 129.63(a)(4).]

The permittee shall not use any cleaning solvent in this remote reservoir cold cleaning machine with both a vapor pressure of equal or greater than 1.0 mm Hg and a VOC content of greater than 5% VOC, by weight, measured at 20 °C (68 °F).

007 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code § 129.63(a)(2)(ii).]

The permittee shall ensure that this remote reservoir cold cleaning machine is equipped with a cover that remains closed at all times except during cleaning of parts or the addition or removal of cleaning solvent. A perforated drain with a diameter that does not exceed 6 inches shall constitute an acceptable cover.

008 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code § 129.63(a)(3)(i)–(v).]

The permittee shall ensure that this remote reservoir cold cleaning machine is operated in accordance with the following procedures:

(a) Waste cleaning solvent shall be collected and stored in closed containers. The closed containers may contain a device that allows pressure relief, but does not allow liquid solvent to drain from the container.

(b) Flushing or spraying of parts using a flexible hose or other flushing device shall be performed only within the cold cleaning machine. The cleaning solvent spray shall be a solid fluid stream, not an atomized or shower spray.

(c) Sponges, fabric, wood, leather, paper products, and other absorbent materials shall not be cleaned in the cold cleaning machine.

(d) Air-agitated solvent baths shall not be used.

(e) Spills during use of the cold cleaning machine and during cleaning solvent transfer shall be cleaned up immediately.

009 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code § 129.63(a)(2)(i)(A)–(C).]

The permittee shall ensure that this remote reservoir cold cleaning machine has a permanent, conspicuous label

**SECTION D. Source Level Plan Approval Requirements**

summarizing the operating requirements indicated in Condition # 008(a)–(e), Section D (under Source ID 103), of this plan approval. In addition, the label shall include the following discretionary good operating practices:

(a) Parts shall be oriented so that the cleaning solvent drains from them freely and directly back to the cold cleaning machine. Parts having cavities or blind holes shall be tipped or rotated while draining. Cleaned parts should be drained at least 15 seconds or until dripping ceases, whichever is longer.

(b) When a pump-agitated solvent bath is used, the agitator shall be operated to produce a rolling motion of the cleaning solvent with no observable splashing of the cleaning solvent against the tank walls or the parts being cleaned.

(c) Work area fans shall be located and positioned so that they do not blow across the opening of the cold cleaning machine.

VII. ADDITIONAL REQUIREMENTS.

010 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

This source consists of a remote reservoir cold cleaning machine, Model 30, manufactured by Safety-Kleen Systems, Inc. The cold cleaning machine has a rated capacity of 15 gallons, and is located in the maintenance area.

**SECTION D. Source Level Plan Approval Requirements**

Source ID: 104

Source Name: ADHESIVE & ADHESIVE PRIMER USAGE

Source Capacity/Throughput:

N/A

ADHESIVES & ADHESIVE PRIMER

PROC
104STAC
Z104**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

III. MONITORING REQUIREMENTS.**# 001 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The permittee shall monitor the amounts (gallons and pounds) of the following adhesive and adhesive primer materials used at the facility:

- (a) Each as supplied adhesive, adhesive primer, catalyst, reducer, solvent, and other component, on a monthly basis.
- (b) Each as applied adhesive and adhesive primer, on a monthly basis.

IV. RECORDKEEPING REQUIREMENTS.**# 002 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Additional authority for this plan approval condition is derived from 25 Pa. Code § 129.77(o).]

The permittee shall maintain records of the following operating parameters for the adhesive and adhesive primer materials used at the facility:

- (a) The following for each as supplied adhesive, adhesive primer, catalyst, reducer, solvent, and other component used:
 - (1) A data sheet or material list with the name, manufacturer identification, and use or material application.
 - (2) The date, container size, and amount (gallons and pounds) purchased.
 - (3) The amount (gallons and pounds) used, on a monthly basis.
 - (4) The mix ratio.
 - (5) The VOC content (weight percent; lbs/gal, less water and exempt compounds), obtained from one of the following:
 - (i) An EDS.
 - (ii) A CPDS.
 - (iii) An SDS. If the VOC content value is reported as a range, the upper bound of the range shall be considered the actual value.

**SECTION D. Source Level Plan Approval Requirements**

(iv) An alternative method, as approved by the Department.

(6) The individual and combined HAP contents (weight percent), obtained in the same manner as (a)(5), above, or calculated using a Department-approved method(s).

(b) The following for each as applied adhesive and adhesive primer used:

(1) The amount (gallons and pounds) used, on a monthly and 12-month rolling basis, calculated using a Department-approved method(s).

(2) The VOC content (weight percent; lbs/gal, less water and exempt compounds), calculated using a Department-approved method(s).

(3) The individual and combined HAP contents (weight percent), calculated using a Department-approved method(s).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

VI. WORK PRACTICE REQUIREMENTS.**# 003 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Additional authority for this plan approval condition is derived from 25 Pa. Code § 129.77(a)(1)–(2), (b), and (d)(1)–(2).]

Except as specified in Condition #s 004 and 006, Section D (under Source ID 104), of this plan approval, the permittee shall ensure that the VOC content of any as applied adhesive and adhesive primer used does not exceed the following limits:

Adhesive or Adhesive Primer Type	Lbs/gal, Less Water and Exempt Compounds
PVC Welding Adhesive	4.3
Other Adhesive Primer	2.1
Adhesive Substrate (Excluding PVC)	Lbs/gal, Less Water and Exempt Compounds ¹
Metal	0.3
Porous Material	1.0
Other Substrate	2.1

¹ If an adhesive is used to bond dissimilar substrates together, the applicable substrate category with the highest VOC content limit is the limit for this use.

004 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

[Additional authority for this plan approval condition is derived from 25 Pa. Code § 129.77(n).]

The permittee shall ensure that the total volume used of all as applied adhesives and adhesive primers that do not comply with the VOC content limits specified in Condition # 003, Section D (under Source ID 104), of this plan approval, including the following, does not exceed 55 gallons per calendar year:

Product Name	Adhesive or Adhesive Primer Type	Manufacturer
705 Industrial Grade+, Clear	PVC Welding Adhesive	Weld-On Adhesives, Inc.
P-70 Primer Industrial Grade	Other Adhesive Primer	Weld-On Adhesives, Inc.

**SECTION D. Source Level Plan Approval Requirements****VII. ADDITIONAL REQUIREMENTS.****# 005 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

This source consists of the adhesive and adhesive primer usage at the facility.

006 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

[Additional authority for this plan approval condition is derived from 25 Pa. Code § 129.77(k)(5).]

The VOC content limits specified in Condition # 003, Section D (under Source ID 104), of this plan approval, do not apply to adhesives or adhesive primers that are sold or supplied by the manufacturer or supplier in containers with a net volume of 16 fluid ounces or less, or a net weight of 1 pound or less, including the following:

Product Name	Product Type	Manufacturer	Container Size
3M Heavy Duty 20 Clear	Adhesive	3M Co.	16 fl.oz., 13.8 oz.
3M Heavy Duty 20CA Clear	Adhesive	3M Co.	16 fl.oz., 15.7 oz.
ArmaFlex 520 BLV Contact Adhesive	Adhesive	Armacell LLC	1 pint



SECTION E. Source Group Plan Approval Restrictions.

**SECTION F. Alternative Operation Requirements.**

No Alternative Operations exist for this Plan Approval facility.

**SECTION G. Emission Restriction Summary.**

Source Id	Source Description				
101	DESICCANT PAINT BOOTH				
<table><tr><th>Emission Limit</th><th>Pollutant</th></tr><tr><td>0.040 gr/DRY FT3</td><td>TSP</td></tr></table>		Emission Limit	Pollutant	0.040 gr/DRY FT3	TSP
Emission Limit	Pollutant				
0.040 gr/DRY FT3	TSP				
102	COIL SHOP PAINT BOOTH				
<table><tr><th>Emission Limit</th><th>Pollutant</th></tr><tr><td>0.040 gr/DRY FT3</td><td>TSP</td></tr></table>		Emission Limit	Pollutant	0.040 gr/DRY FT3	TSP
Emission Limit	Pollutant				
0.040 gr/DRY FT3	TSP				

Site Emission Restriction Summary

Emission Limit	Pollutant
10.000 Tons/Yr Less Than; 12-Month Rolling Sum, Calculated Monthly	VOC
10.000 Tons/Yr Less Than; 12-Month Rolling Sum, Calculated Monthly	Hazardous Air Pollutants

**SECTION H. Miscellaneous.**

This plan approval (APS ID 1122775, Auth ID 1581388) is an extension of Plan Approval No. 15-0164, which was originally issued on April 3, 2025 (APS ID 1122775, Auth ID 1501499) and previously extended on April 3, 2026 (APS ID 1122775, Auth ID 1559916).



***** End of Report *****
