



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM**

STATE ONLY NATURAL MINOR OPERATING PERMIT

Issue Date: October 7, 2021

Effective Date: October 7, 2021

Expiration Date: October 5, 2026

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 operate the air emission source(s) more fully described in this permit. This Facility is subject to all terms and conditions specified in this permit. Nothing in this permit 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 permit condition is set forth in brackets. All terms and conditions in this permit are federally enforceable unless otherwise designated.

State Only Permit No: 55-00008

Natural Minor

Federal Tax Id - Plant Code: 47-1409422-1

Owner Information

Name: APEX HOMES OF PA LLC
Mailing Address: 7172 ROUTE 522
MIDDLEBURG, PA 17842-9488

Plant Information

Plant: APEX HOMES OF PA LLC/MIDDLECREEK
Location: 55 Snyder County 55911 Middlecreek Township
SIC Code: 2452 Manufacturing - Prefabricated Wood Buildings

Responsible Official

Name: LYNN KUHNS
Title: PRES
Phone: (800) 326 - 9524 Email: lkuhns@apexhomes.net

Permit Contact Person

Name: LYNN KUHNS
Title: PRES
Phone: (800) 326 - 9524 Email: lkuhns@apexhomes.net

[Signature] _____

MUHAMMAD Q. ZAMAN, ENVIRONMENTAL PROGRAM MANAGER, NORTHCENTRAL REGION



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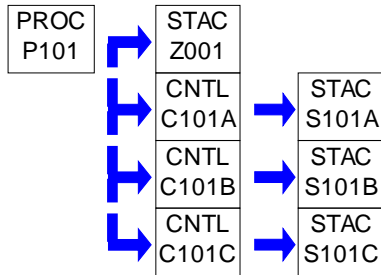
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P101	MODULAR HOME ASSEMBLY OPERATION & PAINT SHOP		
P102	WOODWORKING OPERATION		
C101A	SPRAY BOOTH FILTERS		
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Z001	FUGITIVE EMISSIONS		

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

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

#002 [25 Pa. Code § 127.446]**Operating Permit Duration.**

- (a) This operating permit is issued for a fixed term of five (5) years and shall expire on the date specified on Page 1 of this permit.
- (b) The terms and conditions of the expired permit shall automatically continue pending issuance of a new operating permit, provided the permittee has submitted a timely and complete application and paid applicable fees required under 25 Pa. Code Chapter 127, Subchapter I and the Department is unable, through no fault of the permittee, to issue or deny a new permit before the expiration of the previous permit.

#003 [25 Pa. Code §§ 127.412, 127.413, 127.414, 127.446 & 127.703(b)]**Permit Renewal.**

- (a) The permittee shall submit a timely and complete application for renewal of the operating permit to the appropriate Regional Air Program Manager. The application for renewal of the operating permit shall be submitted at least six (6) months and not more than 18 months before the expiration date of this permit.
- (b) The application for permit renewal shall include the current permit number, a description of any permit revisions that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term. An application is complete if it contains sufficient information to begin processing the application, has the applicable sections completed and has been signed by a responsible official.
- (c) The permittee shall submit with the renewal application a fee for the processing of the application as specified in 25 Pa. Code § 127.703(b). The fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" and submitted with the fee form to the respective regional office.
- (d) The renewal application shall also include submission of proof that the local municipality and county, in which the facility is located, have been notified in accordance with 25 Pa. Code § 127.413.
- (e) The application for renewal of the operating permit shall also include submission of supplemental compliance review forms in accordance with the requirements of 25 Pa. Code § 127.412(b) and § 127.412(j).
- (f) The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information as necessary to address any requirements that become applicable to the source after the permittee submits a complete application, but prior to the date the Department takes action on the permit application.

#004 [25 Pa. Code § 127.703]**Operating Permit Fees under Subchapter I.**

- (a) The permittee shall pay the annual operating permit maintenance fee according to the following fee schedule in either paragraph (1) or (2) in accordance with 25 Pa. Code § 127.703(d) on or before December 31 of each year for the next calendar year.
- (1) For a synthetic minor facility, a fee equal to:
- (i) Four thousand dollars (\$4,000) for calendar years 2021—2025.
 - (ii) Five thousand dollars (\$5,000) for calendar years 2026—2030.
 - (iii) Six thousand three hundred dollars (\$6,300) for the calendar years beginning with 2031.

**SECTION B. General State Only Requirements**

(2) For a facility that is not a synthetic minor, a fee equal to:

- (i) Two thousand dollars (\$2,000) for calendar years 2021—2025.
- (ii) Two thousand five hundred dollars (\$2,500) for calendar years 2026—2030.
- (iii) Three thousand one hundred dollars (\$3,100) for the calendar years beginning with 2031.

(b) The applicable fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" with the permit number clearly indicated and submitted to the respective regional office.

#005 [25 Pa. Code §§ 127.450 (a)(4) and 127.464]**Transfer of Operating Permits.**

(a) This operating permit may not be transferred to another person, except in cases of transfer-of-ownership that are documented and approved by the Department.

(b) In accordance with 25 Pa. Code § 127.450(a)(4), a change in ownership of the source shall be treated as an administrative amendment if the Department determines that no other change in the permit is required and a written agreement has been submitted to the Department identifying the specific date of the transfer of permit responsibility, coverage and liability between the current and the new permittee and a compliance review form has been submitted to, and the permit transfer has been approved by, the Department.

(c) This operating permit is valid only for those specific sources and the specific source locations described in this permit.

#006 [25 Pa. Code § 127.441 and 35 P.S. § 4008]**Inspection and Entry.**

(a) Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Department or authorized representatives of the Department to perform the following:

(1) Enter at reasonable times upon the permittee's premises where a source is located or emissions related activity is conducted, or where records are kept under the conditions of this permit;

(2) Have access to and copy, at reasonable times, any records that are kept under the conditions of this permit;

(3) Inspect at reasonable times, any facilities, equipment including monitoring and air pollution control equipment, practices, or operations regulated or required under this permit;

(4) Sample or monitor, at reasonable times, any substances or parameters, for the purpose of assuring compliance with the permit or applicable requirements as authorized by the Clean Air Act, the Air Pollution Control Act, or the regulations promulgated under the Acts.

(b) 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 or regulations adopted thereunder including denying the Department access to a source at this facility. Refusal of entry or access may constitute grounds for permit revocation and assessment of criminal and/or civil penalties.

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

#007 [25 Pa. Code §§ 127.441 & 127.444]**Compliance Requirements.**

(a) The permittee shall comply with the conditions of this operating permit. Noncompliance with this permit constitutes a violation of the Clean Air Act and the Air Pollution Control Act and is grounds for one or more of the following:

**SECTION B. General State Only Requirements**

- (1) Enforcement action
- (2) Permit termination, revocation and reissuance or modification
- (3) Denial of a permit renewal application

(b) A person may not cause or permit the operation of a source which is subject to 25 Pa. Code Article III unless the source(s) and air cleaning devices identified in the application for the plan approval and operating permit and the plan approval issued for the source is operated and maintained in accordance with specifications in the applications and the conditions in the plan approval and operating permit issued by the Department. A person may not cause or permit the operation of an air contamination source subject to 25 Pa. Code Chapter 127 in a manner inconsistent with good operating practices.

(c) For purposes of Sub-condition (b) of this permit condition, the specifications in applications for plan approvals and operating permits are the physical configurations and engineering design details which the Department determines are essential for the permittee's compliance with the applicable requirements in this State-Only permit. Nothing in this sub-condition shall be construed to create an independent affirmative duty upon the permittee to obtain a predetermination from the Department for physical configuration or engineering design detail changes made by the permittee.

#008 [25 Pa. Code § 127.441]**Need to Halt or Reduce Activity Not a Defense.**

It shall not be a defense for the permittee in an enforcement action that it was necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

#009 [25 Pa. Code §§ 127.442(a) & 127.461]**Duty to Provide Information.**

(a) The permittee shall submit reports to the Department containing information the Department may prescribe relative to the operation and maintenance of each source at the facility.

(b) The permittee shall furnish to the Department, in writing, information that the Department may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Department copies of records that the permittee is required to maintain in accordance with this permit.

#010 [25 Pa. Code § 127.461]**Revising an Operating Permit for Cause.**

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

- (1) The permittee constructs or operates the source subject to the operating permit so that it is in violation of the Air Pollution Control Act, the Clean Air Act, the regulations thereunder, a plan approval, a permit or in a manner that causes air pollution.
- (2) 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.
- (3) The permittee has failed to submit a report required by the operating permit or an applicable regulation.
- (4) The EPA determines that the permit is not in compliance with the Clean Air Act or the regulations thereunder.

#011 [25 Pa. Code §§ 127.450, 127.462, 127.465 & 127.703]**Operating Permit Modifications**

(a) The permittee is authorized to make administrative amendments, minor operating permit modifications and significant operating permit modifications, under this permit, as outlined below:

SECTION B. General State Only Requirements

(b) Administrative Amendments. The permittee shall submit the application for administrative operating permit amendments (as defined in 25 Pa. Code § 127.450(a)), according to procedures specified in § 127.450 unless precluded by the Clean Air Act or its regulations.

(c) Minor Operating Permit Modifications. The permittee shall submit the application for minor operating permit modifications (as defined 25 Pa. Code § 121.1) in accordance with 25 Pa. Code § 127.462.

(d) Significant Operating Permit Modifications. The permittee shall submit the application for significant operating permit modifications in accordance with 25 Pa. Code § 127.465.

(e) The applicable fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" with the permit number clearly indicated and submitted to the respective regional office.

#012 [25 Pa. Code § 127.441]**Severability Clause.**

The provisions of this permit are severable, and if any provision of this permit is determined by a court of competent jurisdiction to be invalid or unenforceable, such a determination will not affect the remaining provisions of this permit.

#013 [25 Pa. Code § 127.449]**De Minimis Emission Increases.**

(a) This permit authorizes de minimis emission increases in accordance with 25 Pa. Code § 127.449 so long as the permittee provides the Department with seven (7) days prior written notice before commencing any de minimis emissions increase. The written notice shall:

(1) Identify and describe the pollutants that will be emitted as a result of the de minimis emissions increase.

(2) Provide emission rates expressed in tons per year and in terms necessary to establish compliance consistent with any applicable requirement.

(b) The Department may disapprove or condition de minimis emission increases at any time.

(c) Except as provided below in (d), the permittee is authorized to make de minimis emission increases (expressed in tons per year) up to the following amounts without the need for a plan approval or prior issuance of a permit modification:

(1) Four tons of carbon monoxide from a single source during the term of the permit and 20 tons of carbon monoxide at the facility during the term of the permit.

(2) One ton of NO_x from a single source during the term of the permit and 5 tons of NO_x at the facility during the term of the permit.

(3) One and six-tenths tons of the oxides of sulfur from a single source during the term of the permit and 8.0 tons of oxides of sulfur at the facility during the term of the permit.

(4) Six-tenths of a ton of PM₁₀ from a single source during the term of the permit and 3.0 tons of PM₁₀ at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act, the regulations thereunder or 25 Pa. Code Article III.

(5) One ton of VOCs from a single source during the term of the permit and 5.0 tons of VOCs at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act, the regulations thereunder or 25 Pa. Code Article III.

(6) Other sources and classes of sources determined to be of minor significance by the Department.

(d) In accordance with § 127.14, the permittee is authorized to install the following minor sources without the need for a plan approval or permit modification:

**SECTION B. General State Only Requirements**

(1) Air conditioning or ventilation systems not designed to remove pollutants generated or released from other sources.

(2) Combustion units rated at 2,500,000 or less Btu per hour of heat input.

(3) Combustion units with a rated capacity of less than 10,000,000 Btu per hour heat input fueled by natural gas supplied by a public utility or by commercial fuel oils which are No. 2 or lighter, viscosity less than or equal to 5.82 c St, and which meet the sulfur content requirements of 25 Pa. Code §123.22 (relating to combustion units). For purposes of this permit, commercial fuel oil shall be virgin oil which has no reprocessed, recycled or waste material added.

(4) Space heaters which heat by direct heat transfer.

(5) Laboratory equipment used exclusively for chemical or physical analysis.

(6) Other sources and classes of sources determined to be of minor significance by the Department.

(e) This permit does not authorize de minimis emission increases if the emissions increase would cause one or more of the following:

(1) Increase the emissions of a pollutant regulated under Section 112 of the Clean Air Act except as authorized in Subparagraphs (c)(4) and (5) of this permit condition.

(2) Subject the facility to the prevention of significant deterioration requirements in 25 Pa. Code Chapter 127, Subchapter D and/or the new source review requirements in Subchapter E.

(3) Violate any applicable requirement of this permit, the Air Pollution Control Act, the Clean Air Act, or the regulations promulgated under either of the acts.

(f) Emissions authorized under this permit condition shall be included in the monitoring, recordkeeping and reporting requirements of this permit.

(g) Except for de minimis emission increases, installation of minor sources made pursuant to this permit condition and Plan Approval Exemptions under 25 Pa. Code § 127.14 (relating to exemptions), the permittee is prohibited from making changes or engaging in activities that are not specifically authorized under this permit without first applying for a plan approval. In accordance with § 127.14(b), a plan approval is not required for the construction, modification, reactivation, or installation of the sources creating the de minimis emissions increase.

(h) The permittee may not meet de minimis emission threshold levels by offsetting emission increases or decreases at the same source.

#014 [25 Pa. Code § 127.3]**Operational Flexibility.**

The permittee is authorized to make changes within the facility in accordance with the regulatory provisions outlined in 25 Pa. Code § 127.3 (relating to operational flexibility) to implement the operational flexibility requirements provisions authorized under Section 6.1(i) of the Air Pollution Control Act and the operational flexibility terms and conditions of this permit. The provisions in 25 Pa. Code Chapter 127 which implement the operational flexibility requirements include the following:

(1) Section 127.14 (relating to exemptions)

(2) Section 127.447 (relating to alternative operating scenarios)

(3) Section 127.448 (relating to emissions trading at facilities with Federally enforceable emissions caps)

(4) Section 127.449 (relating to de minimis emission increases)

(5) Section 127.450 (relating to administrative operating permit amendments)

**SECTION B. General State Only Requirements**

(6) Section 127.462 (relating to minor operating permit modifications)

(7) Subchapter H (relating to general plan approvals and general operating permits)

#015 [25 Pa. Code § 127.11]**Reactivation**

(a) The permittee may not reactivate a source that has been out of operation or production for at least one year unless the reactivation is conducted in accordance with a plan approval granted by the Department or in accordance with reactivation and maintenance plans developed and approved by the Department in accordance with 25 Pa. Code § 127.11a(a).

(b) A source which has been out of operation or production for more than five (5) years but less than 10 years may be reactivated and will not be considered a new source if the permittee satisfies the conditions specified in 25 Pa. Code § 127.11a(b).

#016 [25 Pa. Code § 127.36]**Health Risk-based Emission Standards and Operating Practice Requirements.**

(a) When needed to protect public health, welfare and the environment from emissions of hazardous air pollutants from new and existing sources, the permittee shall comply with the health risk-based emission standards or operating practice requirements imposed by the Department, except as precluded by §§ 6.6(d)(2) and (3) of the Air Pollution Control Act [35 P.S. § 4006.6(d)(2) and (3)].

(b) A person challenging a performance or emission standard established by the Department has the burden to demonstrate that performance or emission standard does not meet the requirements of Section 112 of the Clean Air Act.

#017 [25 Pa. Code § 121.9]**Circumvention.**

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 25 Pa. Code Article III, except that with prior approval of the Department, the device or technique may be used for control of malodors.

#018 [25 Pa. Code §§ 127.402(d) & 127.442]**Reporting Requirements.**

(a) The permittee shall comply with the applicable reporting requirements of the Clean Air Act, the regulations thereunder, the Air Pollution Control Act and 25 Pa. Code Article III including Chapters 127, 135 and 139.

(b) The permittee shall submit reports to the Department containing information the Department may prescribe relative to the operation and maintenance of any air contamination source.

(c) Reports, test data, monitoring data, notifications and requests for renewal of the permit shall be submitted to the:

Regional Air Program Manager
PA Department of Environmental Protection
(At the address given in the permit transmittal letter, or otherwise notified)

(d) Any records or information including applications, forms, or reports submitted pursuant to this permit condition shall contain a certification by a responsible official as to truth, accuracy and completeness. The certifications submitted under this permit shall require a responsible official of the facility to certify that based on information and belief formed after reasonable inquiry, the statements and information in the documents are true, accurate and complete.

(e) Any records, reports or information submitted to the Department shall be available to the public except for such

**SECTION B. General State Only Requirements**

records, reports or information which meet the confidentiality requirements of § 4013.2 of the Air Pollution Control Act and §§ 112(d) and 114(c) of the Clean Air Act. The permittee may not request a claim of confidentiality for any emissions data generated for the facility.

#019 [25 Pa. Code §§ 127.441(c) & 135.5]**Sampling, Testing and Monitoring Procedures.**

(a) The permittee shall comply with the monitoring, recordkeeping or reporting requirements of 25 Pa. Code Chapter 139 and the other applicable requirements of 25 Pa. Code Article III and additional requirements related to monitoring, reporting and recordkeeping required by the Clean Air Act and the regulations thereunder including the Compliance Assurance Monitoring requirements of 40 CFR Part 64, where applicable.

(b) Unless alternative methodology is required by the Clean Air Act and regulations adopted thereunder, sampling, testing and monitoring required by or used by the permittee to demonstrate compliance with any applicable regulation or permit condition shall be conducted in accordance with the requirements of 25 Pa. Code Chapter 139.

#020 [25 Pa. Code §§ 127.441(c) and 135.5]**Recordkeeping.**

(a) The permittee shall maintain and make available, upon request by the Department, the following records of monitored information:

- (1) The date, place (as defined in the permit) and time of sampling or measurements.
- (2) The dates the analyses were performed.
- (3) The company or entity that performed the analyses.
- (4) The analytical techniques or methods used.
- (5) The results of the analyses.
- (6) The operating conditions as existing at the time of sampling or measurement.

(b) The permittee shall retain records of any required monitoring data and supporting information for at least five (5) years from the date of the monitoring, sample, measurement, report or application. Supporting information includes the calibration data and maintenance records and original strip-chart recordings for continuous monitoring instrumentation, and copies of reports required by the permit.

(c) The permittee shall maintain and make available to the Department upon request, records including computerized records that may be necessary to comply with the reporting, recordkeeping and emission statement requirements in 25 Pa. Code Chapter 135 (relating to reporting of sources). In accordance with 25 Pa. Code Chapter 135, § 135.5, such records may include records of production, fuel usage, maintenance of production or pollution control equipment or other information determined by the Department to be necessary for identification and quantification of potential and actual air contaminant emissions.

#021 [25 Pa. Code § 127.441(a)]**Property Rights.**

This permit does not convey any property rights of any sort, or any exclusive privileges.

#022 [25 Pa. Code § 127.447]**Alternative Operating Scenarios.**

The permittee is authorized to make changes at the facility to implement alternative operating scenarios identified in this permit in accordance with 25 Pa. Code § 127.447.

**SECTION B. General State Only Requirements****#023 [25 Pa. Code §135.3]****Reporting**

(a) If the facility is a Synthetic Minor Facility, the permittee shall submit by March 1 of each year an annual emissions report for the preceding calendar year. The report shall include information for all active previously reported sources, new sources which were first operated during the preceding calendar year, and sources modified during the same period which were not previously reported. All air emissions from the facility should be estimated and reported.

(b) A source owner or operator of a Synthetic Minor Facility may request an extension of time from the Department for the filing of an annual emissions report, and the Department may grant the extension for reasonable cause.

#024 [25 Pa. Code §135.4]**Report Format**

If applicable, the emissions reports shall contain sufficient information to enable the Department to complete its emission inventory. Emissions reports shall be made by the source owner or operator in a format specified by the Department.

**SECTION C. Site Level Requirements****I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

No person may permit the emission into the outdoor atmosphere of fugitive air contaminants from a source other than the following:

- (1) Construction or demolition of buildings or structures.
- (2) Grading, paving and maintenance of roads and streets.
- (3) 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.
- (4) Clearing of land.
- (5) Stockpiling of materials.
- (6) Open burning operations.
- (7) Blasting in open pit mines. Emissions from drilling are not considered as emissions from blasting.
- (8) Sources and classes of sources other than those identified above, for which the permittee has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:
 - (a) The emissions are of minor significance with respect to causing air pollution.
 - (b) The emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

002 [25 Pa. Code §123.2]**Fugitive particulate matter**

No person may permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in (1) through (8) of condition #001 herein if the emissions are visible at the point the emissions pass outside the person's property.

003 [25 Pa. Code §123.41]**Limitations**

No person may permit the emission into the outdoor atmosphere of visible air contaminants in such a manner that the opacity of the emission is either of the following:

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

004 [25 Pa. Code §123.42]**Exceptions**

The emission limitations of 25 Pa. Code Section 123.41 shall not apply when:

- (1) The presence of uncombined water is the only reason for failure of the emission to meet the limitations;
- (2) The emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions;
- (3) The emission results from sources specified in 25 Pa. Code Section 123.1(a)(1)-(9).

**SECTION C. Site Level Requirements****II. TESTING REQUIREMENTS.****# 005 [25 Pa. Code §139.1]****Sampling facilities.**

Upon the request of the Department, the permittee shall provide adequate sampling ports, safe sampling platforms and adequate utilities for the performance by the Department of tests on a source. The Department will set forth, in the request, the time period in which the facilities shall be provided as well as the specifications for such facilities.

006 [25 Pa. Code §139.11]**General requirements.**

(a) As specified in 25 Pa. Code Section 139.11(1), performance tests shall be conducted while the source is operating at maximum routine operating conditions or under such other conditions, within the capacity of the equipment, as may be requested by the Department.

(b) As specified in 25 Pa. Code Section 139.11(2), the Department will consider test results for approval where sufficient information is provided to verify the source conditions existing at the time of the test and where adequate data is available to show the manner in which the test was conducted. Information submitted to the Department shall include, as a minimum, all of the following:

- (1) A thorough source description, including a description of any air cleaning devices and the flue.
- (2) Process conditions, for example, the charging rate of raw material or rate of production of final product, boiler pressure, oven temperature and other conditions which may effect emissions from the process.
- (3) The location of sampling ports.
- (4) Effluent characteristics, including velocity, temperature, moisture content, gas density (percentage of CO, CO₂, O₂ and N₂), static and barometric pressures.
- (5) Sample collection techniques employed, including procedures used, equipment descriptions and data to verify that isokinetic sampling for particulate matter collection occurred and that acceptable test conditions were met.
- (6) Laboratory procedures and results.
- (7) Calculated results.

III. MONITORING REQUIREMENTS.**# 007 [25 Pa. Code §123.43]****Measuring techniques**

Visible emissions may be measured using either of the following:

- (1) A device approved by the Department and maintained to provide accurate opacity measurements.
- (2) Observers, trained and qualified, to measure plume opacity with the naked eye or with the aid of any devices approved by the Department.

008 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

(a) The permittee shall conduct a weekly inspection of the facility during daylight hours while the facility is operating to detect visible emissions, visible fugitive emissions and malodors. Weekly inspections are necessary to determine:

- (1) the presence of visible emissions,
- (2) the presence of visible fugitive emissions, and
- (3) the presence of malodors beyond the facility's property boundaries.

(b) All detected visible emissions, visible fugitive emissions or malodors that have the potential to exceed applicable limits

**SECTION C. Site Level Requirements**

shall be reported to the manager of the facility.

IV. RECORDKEEPING REQUIREMENTS.**# 009 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain a logbook of the weekly facility inspections and shall record instances of visible emissions, visible fugitive emissions and malodorous air emissions, the name of the company representative monitoring these instances, and the date and time of each occurrence. The permittee shall also record the corrective action(s) taken to abate each recorded deviation or to prevent future occurrences.

These records shall be retained for a minimum of 5 years and shall be made available to the Department upon request.

010 [25 Pa. Code §135.5]**Recordkeeping**

The permittee shall maintain such records including computerized records as may be necessary to comply with 25 Pa. Code Section 135.3. These may include records of production, fuel usage, maintenance of production or pollution control equipment or other information determined by the Department to be necessary for identification and quantification of potential and actual air contaminant emissions.

V. REPORTING REQUIREMENTS.**# 011 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall submit all requested reports in accordance with the Department's suggested format.

012 [25 Pa. Code §127.442]**Reporting requirements.**

Malfunctions, Emergencies or Incidents of Excess Emissions

(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 preventive 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 and the County Emergency Management Agency by telephone within one (1) hour after the discovery of the malfunction, emergency or incident of excess emissions. The owner or operator shall submit a written or emailed report of instances of such malfunctions, emergencies or incidents of excess emissions to the Department within three (3) business days of the telephone report.

(c) The report shall describe the following:

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

(d) Any malfunction, emergency or incident of excess emissions that is not subject to the notice requirements of paragraph (b) of this condition shall be reported to the Department by telephone 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 five (5) business days of discovery. The report shall contain the same information required by paragraph (c), and any permit specific malfunction reporting requirements.

**SECTION C. Site Level 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 the notification and reporting requirements in accordance with paragraphs (b)-(d), 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 DEP Regional Office Air Program Manager.

(g) Any emissions resulted from 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.

013 [25 Pa. Code §135.3]**Reporting**

(a) The permittee shall submit by March 1 of each year an AIMS report for the preceding calendar year. The report shall include information for all previously reported sources, new sources which were first operated during the preceding calendar year and sources modified during the same period which were not previously reported.

(b) A source owner or operator may request an extension of time from the Department for the filing of an annual AIMS report, and the Department may grant the extension for reasonable cause.

VI. WORK PRACTICE REQUIREMENTS.**# 014 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

The permittee shall take all reasonable actions for any source specified in 25 Pa Code Section 123.1(a)(1-9) to prevent particulate matter from becoming airborne. These actions shall include, but not limited to, the following:

- (1) Use, where possible, of water or chemicals for control of dust in the demolition of buildings or structures, construction operations, the grading of roads or the clearing of land.
- (2) Application of asphalt, oil, or suitable chemicals on dirt roads, material stockpiles and other surfaces which may give rise to airborne dusts.
- (3) Paving and maintenance of roadways.
- (4) Prompt removal of earth or other material from paved streets onto which earth or other material has been transported by trucking or earth moving equipment, erosion by water, or other means.

VII. ADDITIONAL REQUIREMENTS.**# 015 [25 Pa. Code §121.7]****Prohibition of air pollution.**

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

016 [25 Pa. Code §123.31]**Limitations**

No person may permit the emission into the outdoor atmosphere of any malodorous air contaminants from any source in such a manner that the malodors are detectable outside the property of the person on whose land the source is being operated.

017 [25 Pa. Code §129.14]**Open burning operations**

No person may permit the open burning of material at this facility unless in accordance with 25 Pa. Code Section 129.14.

VIII. COMPLIANCE CERTIFICATION.

No additional compliance certifications exist except as provided in other sections of this permit including Section B (relating to State Only General Requirements).



SECTION C. Site Level Requirements

IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

SECTION D. Source Level Requirements

Source ID: P101

Source Name: MODULAR HOME ASSEMBLY OPERATION & PAINT SHOP

Source Capacity/Throughput:



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this plan approval condition is derived from 25 Pa. Code §§127.1 and 127.12]

The total combined emissions from Source P101 shall not at any time exceed any of the following limitations:

- (1) 33.22 tons of volatile organic compounds in any 12 consecutive month period.
- (2) 3.36 tons of all volatile hazardous air pollutants combined in any 12 consecutive month period.
- (3) 2.14 tons of acetone in any 12 consecutive month period.
- (4) 0.39 tons of chlorodifluoromethane (and any alternate chlorofluorocarbon, hydrochlorofluorocarbon or hydrofluorocarbon) in any 12 consecutive month period.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this plan approval condition is derived from 25 Pa. Code §§127.1 and 127.12]

The total combined volatile organic compound emissions and the total combined volatile hazardous air pollutant emissions resulting from the use of "Dow Foam," "Enerfoam," "Duraglas," "Great Stuff Pro," "Handi-Foam Fireblock," "Jaco Firestop," and "Drafftstop" (and/or any alternate material) in Source P101 shall not exceed 46 and 46 pounds, respectively, in any 12 consecutive month period nor shall the total combined emissions of chlorodifluoromethane (and any alternate chlorofluorocarbon, hydrochlorofluorocarbon or hydrofluorocarbon) exceed 776.2 pounds in any 12 consecutive month period.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this plan approval condition is derived from 25 Pa. Code §§127.1 and 127.12]

The total combined volatile organic compound emissions resulting from the use of stains other than "Bernyl Facett LV40 HAPs Free," "Bernyl Parkett LV40 HAPs Free" and "Care Seal Precat HAPs Free FL5312F" (and/or any alternate material) plus the use of all stain tints and additives other than "Retarder 0987 HAPs Free" (and/or any alternate material) shall not exceed 2.52 tons in any 12 consecutive month period nor shall the total combined emissions of volatile hazardous air pollutants exceed 0.20 tons in any 12 consecutive month period.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this plan approval condition is derived from 25 Pa. Code §§127.1 and 127.12]

**SECTION D. Source Level Requirements**

The concentration of particulate matter in the effluent gases of the spray booths incorporated in Source P101 shall not exceed 0.01 grains per dry standard cubic foot of effluent gas volume.

005 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from the permittee electing this restriction]

The total combined volatile organic compound emissions from each spray booth incorporated in Source P101 shall not equal or exceed 2.7 tons in any 12 consecutive month period.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

III. MONITORING REQUIREMENTS.**# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this plan approval condition is derived from 25 Pa. Code §§127.1 and 127.12]

The spray booths incorporated in Source P101 shall be equipped with instrumentation to continuously monitor the differential pressure across the spray booth filters (C101A, C101B and C101C).

IV. RECORDKEEPING REQUIREMENTS.**# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall maintain accurate and comprehensive records of all volatile organic compound-containing, volatile hazardous air pollutant-containing, acetone-containing and/or chlorodifluoromethane-containing (and any alternate chlorofluorocarbon-, hydrochlorofluorocarbon- or hydrofluorocarbon-containing) materials used in, or associated with the use of, Source P101 and for each spray booth incorporated in Source P101. The respective records shall include the following:

- (1) the identity of each material used;
- (2) an up-to-date Certified Product Data Sheet (CPDS) for each material used;
- (3) the amount in gallons or pounds of each material used each month;
- (4) the density of each material as-applied in pounds per gallon;
- (5) the volatile organic compound content of each material as-applied (% by weight);
- (6) the volatile hazardous air pollutant content of each material as-applied (% by weight);
- (7) the acetone content of each material as-applied (% by weight); and
- (8) the chlorodifluoromethane (or, if applicable, the chlorofluorocarbon, hydrochlorofluorocarbon or hydrofluorocarbon) content of each material as-applied (% by weight).

(b) The permittee shall additionally maintain accurate and comprehensive records of the amount of volatile organic compounds, volatile hazardous air pollutants, acetone and chlorodifluoromethane (and any alternate chlorofluorocarbon, hydrochlorofluorocarbon or hydrofluorocarbon) emitted during each month from the use of each individual material.

(c) All records generated pursuant to this condition shall be retained on-site for a period of at least 5 years from the date of generation and shall be provided to the Department upon request.

**SECTION D. Source Level Requirements****V. REPORTING REQUIREMENTS.****# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall submit quarterly reports that include the records required herein. The quarterly reports shall be submitted to the Department by no later than the 30th day following the respective calendar quarter (reports due on January 30th, April 30th, July 30th and October 30th). This report shall include all background information and calculations used in the derivation of the reported values.

VI. WORK PRACTICE REQUIREMENTS.**# 009 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this plan approval condition is derived from 25 Pa. Code §§127.1 and 127.12]

All coatings, other than stains, shall be applied by brush, wiping cloth or by airless, air-assisted airless or HVLP (high volume, low pressure) spray technology. All stains shall be applied by brush, wiping cloth, or HVLP spray technology only.

010 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this plan approval condition is derived from 25 Pa. Code §§127.1 and 127.12]

All containers of volatile organic compound-containing, volatile hazardous air pollutant-containing and acetone-containing materials shall be kept closed except when removing material from the containers or placing material into the containers.

011 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this plan approval condition is derived from 25 Pa. Code §§127.1 and 127.12]

Spray equipment, lines, etc. shall be cleaned either by flushing a solid liquid stream into an appropriate recovery receptacle or by soaking equipment in closed containers. Under no circumstances shall solvent be flushed or sprayed into the air or flushed into a container in the form of an atomized spray. All solvent-wet rags or cloths shall be stored in closed containers when not in use. Under no circumstances shall waste solvent or other materials or solvent-laden rags or cloths be treated in a manner that would intentionally promote the evaporative loss of solvent.

VII. ADDITIONAL REQUIREMENTS.**# 012 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source P101 is a modular home assembly operation and a paint shop incorporating three Carolina-Virginia Manufacturing Co. spray booths.

013 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this plan approval condition is derived from 25 Pa. Code §§127.1 and 127.12]

The air contaminant emissions from the spray booths incorporated in Source P101 shall be controlled by spray booth filters (C101A, C101B and C101C).

**SECTION D. Source Level Requirements****# 014 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this plan approval condition is derived from 25 Pa. Code §§127.1 and 127.12]

Only those specific adhesives, coatings (paints, stains, lacquers, etc.), sealants, insulating foams and barriers, cleaning solvents, etc. identified in the application and supplemental information submitted for plan approval shall be used in Source P101, unless prior authorization has been obtained from the Department to use a material considered by the Department to have an equivalent, or lower, air contaminant emission potential or the Department has otherwise approved the use of a different material.

015 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this plan approval condition is derived from 25 Pa. Code §§127.1 and 127.12]

(a) "Orange Crush" shall be the only soldering flux used to join metal pipes together in Source P101, unless prior authorization has been obtained from the Department to use an alternate material considered by the Department to have an equivalent, or lower, air contaminant emission potential. The volatile organic compound content of "Orange Crush" shall not exceed 5.84 pounds per gallon and the volatile hazardous air pollutant content shall not exceed 5.84 pounds per gallon. Additionally, the total combined amount of "Orange Crush" and any alternate soldering flux determined by the Department to have an equivalent, or lower, air contaminant emission potential that may be used in Source P101 shall not exceed 9 gallons in any 12 consecutive month period.

(b) The following soldering fluxes have been approved by the Department as an alternate material which has been determined to have equivalent, or lower, air contaminant emission potential than the soldering flux in paragraph (a):

(i) Stay Soft Plumbers Putty

016 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this plan approval condition is derived from 25 Pa. Code §§127.1 and 127.12]

"WD-40" shall be the only lubricant used for general lubrication and cleanup in Source P101, unless prior authorization has been obtained from the Department to use an alternate material considered by the Department to have an equivalent, or lower, air contaminant emission potential. The volatile organic compound content of "WD-40" shall not exceed 3.44 pounds per gallon and this material shall contain no volatile hazardous air pollutants. Additionally, the total combined amount of "WD-40" and any alternate lubricant determined by the Department to have an equivalent, or lower, air contaminant emission potential that may be used in Source P101 shall not exceed 5 gallons in any 12 consecutive month period.

017 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this plan approval condition is derived from 25 Pa. Code §§127.1 and 127.12]

"CKD MUR 8225 BH Adhesive" shall be the only adhesive used to secure floor joists and to secure wallboard to studs in Source P101, unless prior authorization has been obtained from the Department to use an alternate material considered by the Department to have an equivalent, or lower, air contaminant emission potential. "CKD MUR 8225 BH Adhesive" shall contain no volatile organic compounds and no volatile hazardous air pollutants.

018 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this plan approval condition is derived from 25 Pa. Code §§127.1 and 127.12]

"Color Putty Nailhole Filler" shall be the only putty used to fill nail holes in Source P101, unless prior authorization has been obtained from the Department to use an alternate material considered by the Department to have an equivalent, or lower, air

**SECTION D. Source Level Requirements**

contaminant emission potential. "Color Putty Nailhole Filler" shall contain no volatile organic compounds and no volatile hazardous air pollutants.

019 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this plan approval condition is derived from 25 Pa. Code §§127.1 and 127.12]

"Duron Dura Clad #1688014" shall be the only coating, other than topcoats and stains, used to coat interior trim and the only coating used to coat interior doors in Source P101, unless prior authorization has been obtained from the Department to use an alternate material considered by the Department to have an equivalent, or lower, air contaminant emission potential. The volatile organic compound content of "Duron Dura Clad #1688014" shall not exceed 0.19 pounds per gallon and this material shall contain no volatile hazardous air pollutants. Additionally, the total combined amount of "Duron Dura Clad #1688014" and any alternate coating determined by the Department to have an equivalent, or lower, air contaminant emission potential shall not exceed 1,320 gallons in any 12 consecutive month period.

020 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this plan approval condition is derived from 25 Pa. Code §§127.1 and 127.12]

(a) "Weld-On PC-64 Primer/Cleaner" shall be the only primer used to remove surface dirt on PVC pipes to ensure a secure solvent weld in Source P101, unless prior authorization has been obtained from the Department to use an alternate material considered by the Department to have an equivalent, or lower, air contaminant emission potential. The volatile organic compound content of "Weld-On PC-64 Primer/Cleaner" shall not exceed 6.78 pounds per gallon and this material shall contain no volatile hazardous air pollutants. Additionally, the total combined amount of "Weld-On PC-64 Primer/Cleaner" and any alternate primer determined by the Department to have an equivalent, or lower, air contaminant emission potential that may be used in Source P101 shall not exceed 42 gallons in any 12 consecutive month period.

(b) The following primers have been approved by the Department as an alternate material which has been determined to have equivalent, or lower, air contaminant emission potential than the primer in paragraph (a):

(i) MAINLINE Purple Low VOC Primer for PVC and CPVC

021 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this plan approval condition is derived from 25 Pa. Code §§127.1 and 127.12]

"Duron Rust Inhibitor Spray Enamel" shall be the only coating used to paint numbers on exterior walls in Source P101, unless prior authorization has been obtained from the Department to use an alternate material considered by the Department to have an equivalent, or lower, air contaminant emission potential. The volatile organic compound content of "Duron Rust Inhibitor Spray Enamel" shall not exceed 4.65 pounds per gallon and the volatile hazardous air pollutant content shall not exceed 1.85 pounds per gallon. Additionally, the total combined amount of "Duron Rust Inhibitor Spray Enamel" and any alternate coating determined by the Department to have an equivalent, or lower, air contaminant emission potential that may be used in Source P101 shall not exceed 130 gallons in any 12 consecutive month period.

022 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this plan approval condition is derived from 25 Pa. Code §§127.1 and 127.12]

"Rectorseal #5" and "Slic-Tite Paste" shall be the only thread sealants used on pipes in Source P101, unless prior authorization has been obtained from the Department to use an alternate material considered by the Department to have an equivalent, or lower, air contaminant emission potential. The volatile organic compound content of "Rectorseal #5" shall not exceed 2.65 pounds per gallon and this material shall contain no volatile hazardous air pollutants. "Slic-Tite Paste" shall contain no volatile organic compounds and no volatile hazardous air pollutants. Additionally, the total combined amount of

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"Rectorseal #5" and any alternate thread sealant determined by the Department to have an equivalent, or lower, air contaminant emission potential that may be used in Source P101 shall not exceed 14 gallons in any 12 consecutive month period.

023 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this plan approval condition is derived from 25 Pa. Code §§127.1 and 127.12]

"Amstone Plastic Roof Cement" shall be the only roof cement used to seal around skylights, vents, pipes and under exterior doors in Source P101, unless prior authorization has been obtained from the Department to use an alternate material considered by the Department to have an equivalent, or lower, air contaminant emission potential. The volatile organic compound content of "Amstone Plastic Roof Cement" shall not exceed 2.51 pounds per gallon and the volatile hazardous air pollutant content shall not exceed 0.03 pounds per gallon. Additionally, the total combined amount of "Amstone Plastic Roof Cement" and any alternate roof cement determined by the Department to have an equivalent, or lower, air contaminant emission potential that may be used in Source P101 shall not exceed 136 gallons in any 12 consecutive month period.

024 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this plan approval condition is derived from 25 Pa. Code §§127.1 and 127.12]

"GE Contractors Grade" shall be the only adhesive used to construct stairs and dormers in Source P101, unless prior authorization has been obtained from the Department to use an alternate material considered by the Department to have an equivalent, or lower, air contaminant emission potential. The volatile organic compound content of "GE Contractors Grade" shall not exceed 3.27 pounds per gallon and the volatile hazardous air pollutant content shall not exceed 3.21 pounds per gallon. Additionally, the total combined amount of "GE Contractors Grade" and any alternate adhesive determined by the Department to have an equivalent, or lower, air contaminant emission potential that may be used in Source P101 shall not exceed 950 gallons in any 12 consecutive month period.

025 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this plan approval condition is derived from 25 Pa. Code §§127.1 and 127.12]

"Super Titebond" shall be the only adhesive, other than "3M Scotch Weld Hot Melt," used on kitchen and bathroom cabinets to glue joints together in Source P101, unless prior authorization has been obtained from the Department to use an alternate material considered by the Department to have an equivalent, or lower, air contaminant emission potential. The volatile organic compound content of "Super Titebond" shall not exceed 5.53 pounds per gallon and this material shall contain no volatile hazardous air pollutants. "3M Scotch Weld Hot Melt" shall contain no volatile organic compounds and no volatile hazardous air pollutants. Additionally, the total combined amount of "Super Titebond" and any alternate adhesive determined by the Department to have an equivalent, or lower, air contaminant emission potential that may be used in Source P101 shall not exceed 207 gallons in any 12 consecutive month period.

026 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code §§127.1 and 127.12]

(a) "Bondaflex Sil-A 700 Acrylic Sealant" and "Bondaflex Sil-100" shall be the only adhesives used to glue walls to floors/ceilings and seal around doors and windows in Source P101, unless prior authorization has been obtained from the Department to use an alternate material considered by the Department to have an equivalent, or lower, air contaminant emission potential. The volatile organic compound content of "Bondaflex Sil-A 700 Acrylic Sealant" shall not exceed 0.15 pounds per gallon and the volatile hazardous air pollutant content shall not exceed 0.09 pounds per gallon. The volatile organic compound content of "Bondaflex Sil-100" shall not exceed 0.30 pounds per gallon and this material shall contain no volatile hazardous air pollutants. Additionally, the total combined amount of "Bondaflex Sil-A 700 Acrylic Sealant," "Bondaflex Sil-100" and any alternate adhesive determined by the Department to have an equivalent, or lower, air contaminant

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emission potential that may be used in Source P101 shall not exceed 959 gallons in any 12 consecutive month period.

(b) The following adhesives have been approved by the Department as an alternate material which has been determined to have equivalent, or lower, air contaminant emission potential than the adhesives in paragraph (a):

(i) Spray Lock 6500

027 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this plan approval condition is derived from 25 Pa. Code §§127.1 and 127.12]

"Polyseamseal Acrylic with Silicone" shall be the only adhesive used to seal around tubs, sinks, showers and white moulding in Source P101, unless prior authorization has been obtained from the Department to use an alternate material considered by the Department to have an equivalent, or lower, air contaminant emission potential. The volatile organic compound content of "Polyseamseal Acrylic with Silicone" shall not exceed 0.28 pounds per gallon and the volatile hazardous air pollutant content of "Polyseamseal Acrylic with Silicone" shall not exceed 0.27 pounds per gallon. Additionally, the total combined amount of "Polyseamseal Acrylic with Silicone" and any alternate adhesive determined by the Department to have an equivalent, or lower, air contaminant emission potential that may be used in Source P101 shall not exceed 507 gallons in any 12 consecutive month period.

028 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this plan approval condition is derived from 25 Pa. Code §§127.1 and 127.12]

"Star Stuk HT" and "Dorus KS 208/2" shall be the only adhesives used to glue edgebanding to shelves, drawers, and rollouts in Source P101, unless prior authorization has been obtained from the Department to use an alternate material considered by the Department to have an equivalent, or lower, air contaminant emission potential. The volatile organic compound content of "Star Stuk HT" shall not exceed 3.74 pounds per gallon and the volatile hazardous air pollutant content of this material shall not exceed 1.73 pounds per gallon. The volatile hazardous air pollutant content of "Dorus KS 208/2" shall not exceed 0.01 pounds per gallon and this material shall contain no volatile organic compounds. Additionally, the total combined amount of "Star Stuk HT," "Dorus KS 208/2" and any alternate adhesive determined by the Department to have an equivalent, or lower, air contaminant emission potential that may be used in Source P101 shall not exceed 33 gallons in any 12 consecutive month period.

029 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this plan approval condition is derived from 25 Pa. Code §§127.1 and 127.12]

"Duron Pro Kote Supreme #59865" shall be the only coating used to coat interior walls in Source P101, unless prior authorization has been obtained from the Department to use an alternate material considered by the Department to have an equivalent, or lower, air contaminant emission potential. The volatile organic compound content of "Duron Pro Kote Supreme #59865" shall not exceed 0.94 pounds per gallon and this material shall contain no volatile hazardous air pollutants. Additionally, the total combined amount of "Duron Pro Kote Supreme #59865" and any alternate coating determined by the Department to have an equivalent, or lower, air contaminant emission potential that may be used in Source P101 shall not exceed 20,000 gallons in any 12 consecutive month period.

030 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this plan approval condition is derived from 25 Pa. Code §§127.1 and 127.12]

"Duron Weathershield #03301" shall be the only coating used to coat exterior trim and exterior doors in Source P101, unless prior authorization has been obtained from the Department to use an alternate material considered by the Department to have an equivalent, or lower, air contaminant emission potential. The volatile organic compound content of "Duron Weathershield #03301" shall not exceed 0.79 pounds per gallon and the volatile hazardous air pollutant content of this

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material shall not exceed 0.10 pounds per gallon. Additionally, the total combined amount of "Duron Weathershield #03301" and any alternate coating determined by the Department to have an equivalent, or lower, air contaminant emission potential that may be used in Source P101 shall not exceed 75 gallons in any 12 consecutive month period.

031 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this plan approval condition is derived from 25 Pa. Code §§127.1 and 127.12]

"OOPS! All Purpose Remover," "Marvel Glass Cleaner Concentrate," and "De-Solve It - Contractor's Solvent" shall be the only solvents used for general cleanup in Source P101, unless prior authorization has been obtained from the Department to use an alternate material considered by the Department to have an equivalent, or lower, air contaminant emission potential. The volatile organic compound content of "OOPS! All Purpose Remover" shall not exceed 6.63 pounds per gallon and the volatile hazardous air pollutant content shall not exceed 1.39 pounds per gallon. The volatile organic compound content of "Marvel Glass Cleaner Concentrate" shall not exceed 8.13 pounds per gallon and this material shall contain no volatile hazardous air pollutants. The volatile organic compound content of "De-Solve It - Contractor's Solvent" shall not exceed 2.53 pounds per gallon and this material shall contain no volatile hazardous air pollutants. Additionally, the total combined amount of "OOPS! All Purpose Remover," "Marvel Glass Cleaner Concentrate," "De-Solve It - Contractor's Solvent" and any alternate cleanup solvent determined by the Department to have an equivalent, or lower, air contaminant emission potential that may be used in Source P101 shall not exceed 73 gallons in any 12 consecutive month period.

032 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this plan approval condition is derived from 25 Pa. Code §§127.1 and 127.12]

"Eastman DE Solvent" shall be the only solvent used to clean spray guns used to spray insulating foams and barriers in Source P101, unless prior authorization has been obtained from the Department to use an alternate material considered by the Department to have an equivalent, or lower, air contaminant emission potential. The volatile organic compound content of "Eastman DE Solvent" shall not exceed 8.26 pounds per gallon and the volatile hazardous air pollutant content shall not exceed 8.26 pounds per gallon. Additionally, the total combined amount of "Eastman DE Solvent" and any alternate solvent determined by the Department to have an equivalent, or lower, air contaminant emission potential that may be used in Source P101 shall not exceed 163 gallons in any 12 consecutive month period.

033 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this plan approval condition is derived from 25 Pa. Code §§127.1 and 127.12]

(a) The volatile organic compound and volatile hazardous air pollutant contents of all stains, stain tints and additives other than "Bernyl Facett LV40 HAPs Free," "Bernyl Parkett LV40 HAPs Free," "Care Seal Precat HAPs Free FL5312F," and "Retarder 0987 HAPs Free" (and/or any alternate material) shall not exceed 6.81 and 4.17 pounds per gallon, respectively.

(b) The following stains, stain tints and additives have been approved by the Department as an alternate material which has been determined to have equivalent, or lower, air contaminant emission potential than the stains, stain tints and additives in paragraph (a):

- (i) Clawlock II High Solids Catalyzed Primer
- (ii) High Performance Water White Precat Satin
- (iii) Turino Conversion Varnish Clear Tint Base Satin Sheen
- (iv) Turino White Opaque Satin
- (v) Amazing Glaze
- (vi) Klearvar Satin
- (vii) Stealth CV White Opaque Stain; up to a maximum of 264 gallons in any 12 consecutive month period
- (viii) Vintage Alkyd Glaze
- (ix) Woodsong II Deep Penetrating Stain Base

**SECTION D. Source Level Requirements**

(x) Woodsong II Stain Base and Pre-Stain

034 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this plan approval condition is derived from 25 Pa. Code §§127.1 and 127.12]

(a) "Retarder 0987 HAPs Free" shall be the only additive used in "Bernyl Facett LV40 HAPs Free" to decrease drying time in Source P101, unless prior authorization has been obtained from the Department to use an alternate material considered by the Department to have an equivalent, or lower, air contaminant emission potential. The volatile organic compound content of "Retarder 0987 HAPs Free" shall not exceed 7.91 pounds per gallon and this material shall contain no volatile hazardous air pollutants. Additionally, the total combined amount of "Retarder 0987 HAPs Free" and any alternate additive determined by the Department to have an equivalent, or lower, air contaminant emission potential that may be used in Source P101 shall not exceed 66 gallons in any 12 consecutive month period.

(b) The following additives to reduce drying time have been approved by the Department as an alternate material which has been determined to have equivalent, or lower, air contaminant emission potential than the additives to reduce drying time in paragraph (a):

- (i) Care Lacquer Retarder
- (ii) Reducer Care

035 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this plan approval condition is derived from 25 Pa. Code §§127.1 and 127.12]

"USG Sheetrock Taping Compound" shall be the only drywall taping compound used to mud drywall in Source P101, unless prior authorization has been obtained from the Department to use an alternate material considered by the Department to have an equivalent, or lower, air contaminant emission potential. The volatile organic compound content of "USG Sheetrock Taping Compound" shall not exceed 0.02 pounds per gallon and this material shall contain no volatile hazardous air pollutants. Additionally, the total combined amount of "USG Sheetrock Taping Compound" and any alternate drywall taping compound determined by the Department to have an equivalent, or lower, air contaminant emission potential that may be used in Source P101 shall not exceed 1940 gallons in any 12 consecutive month period.

036 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this plan approval condition is derived from 25 Pa. Code §§127.1 and 127.12]

"Gemini #500 Lacquer Thinner" shall be the only solvent used to thin lacquer in Source P101, unless prior authorization has been obtained from the Department to use an alternate material considered by the Department to have an equivalent, or lower, air contaminant emission potential. The volatile organic compound content of "Gemini #500 Lacquer Thinner" shall not exceed 6.84 pounds per gallon and the volatile hazardous air pollutant content shall not exceed 5.31 pounds per gallon. Additionally, the total combined amount of "Gemini #500 Lacquer Thinner" and any alternate solvent determined by the Department to have an equivalent, or lower, air contaminant emission potential that may be used in Source P101 shall not exceed 330 gallons in any 12 consecutive month period.

037 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this plan approval condition is derived from 25 Pa. Code §§127.1 and 127.12]

(a) "Bernyl Facett LV40 HAPs Free," "Bernyl Parkett LV40 HAPs Free," and "Care Seal Precat HAPs Free FL5312F" shall be the only lacquer stains used to coat interior trim, kitchen cabinets and bathroom cabinets in Source P101, unless prior authorization has been obtained from the Department to use an alternate material considered by the Department to have an

**SECTION D. Source Level Requirements**

equivalent, or lower, air contaminant emission potential. The volatile organic compound content of "Bernyl Facett LV40 HAPs Free" shall not exceed 5.38 pounds per gallon and this material shall contain no volatile hazardous air pollutants. The volatile organic compound content of "Bernyl Parkett LV40 HAPs Free" shall not exceed 4.11 pounds per gallon and the volatile hazardous air pollutant content shall not exceed 0.003 pounds per gallon. The volatile organic compound content of "Care Seal Precat HAPs Free FL5312F" shall not exceed 5.88 pounds per gallon and this material shall contain no volatile hazardous air pollutants. Additionally, the total combined amount of "Bernyl Facett LV40 HAPs Free," "Bernyl Parkett LV40 HAPs Free," "Care Seal Precat HAPs Free FL5312F" and any alternate lacquer stain determined by the Department to have an equivalent, or lower, air contaminant emission potential that may be used in Source P101 shall not exceed 4,540 gallons in any 12 consecutive month period.

(b) The following lacquer stains have been approved by the Department as an alternate material which has been determined to have equivalent, or lower, air contaminant emission potential than the lacquer stains in paragraph (a):

(i) Krystal Sealer; up to a maximum of 456 gallons in any 12 consecutive month period

038 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this plan approval condition is derived from 25 Pa. Code §§127.1 and 127.12]

"Minwax Fast Drying Polyurethane Clear Semi-Gloss," "Euro-Clear HF40/Catalyst 2750," and "Krylon Decorator Spray Paint Clear" shall be the only topcoats used for interior trim in Source P101, unless prior authorization has been obtained from the Department to use an alternate material considered by the Department to have an equivalent, or lower, air contaminant emission potential. The volatile organic compound content of "Minwax Fast Drying Polyurethane Clear Semi-Gloss" shall not exceed 3.72 pounds per gallon and this material shall contain no volatile hazardous air pollutants. The volatile organic compound content of "Euro-Clear HF40/Catalyst 2750" shall not exceed 5.92 pounds per gallon and the volatile hazardous air pollutant content shall not exceed 0.53 pounds per gallon. The volatile organic compound content of "Krylon Decorator Spray Paint Clear" shall not exceed 3.11 pounds per gallon and the volatile hazardous air pollutant content shall not exceed 1.04 pounds per gallon. Additionally, the total combined amount of "Minwax Fast Drying Polyurethane Clear Semi-Gloss," "Euro-Clear HF40/Catalyst 2750," "Krylon Decorator Spray Paint Clear" and any alternate topcoat determined by the Department to have an equivalent, or lower, air contaminant emission potential that may be used in Source P101 shall not exceed 1,221 gallons in any 12 consecutive month period.

039 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this plan approval condition is derived from 25 Pa. Code §§127.1 and 127.12]

(a) "Weld-On Hot 'R Cold 727 PVC Cement" shall be the only solvent cement used to seal PVC pipes and fittings together in Source P101, unless prior authorization has been obtained from the Department to use an alternate material considered by the Department to have an equivalent, or lower, air contaminant emission potential. The volatile organic compound content of "Weld-On Hot 'R Cold 727 PVC Cement" shall not exceed 7.09 pounds per gallon and this material shall contain no volatile hazardous air pollutants. Additionally, the total combined amount of "Weld-On Hot 'R Cold 727 PVC Cement" and any alternate solvent cement determined by the Department to have an equivalent, or lower, air contaminant emission potential that may be used in Source P101 shall not exceed 330 gallons in any 12 consecutive month period.

(b) The following solvent cements have been approved by the Department as an alternate material which has been determined to have equivalent, or lower, air contaminant emission potential than the solvent cement in paragraph (a):

(i) MAINLINE PVC Clear Medium Bodied Low VOC Solvent Cement

040 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this plan approval condition is derived from 25 Pa. Code §§127.1 and 127.12]

"Dow Foam," "Enerfoam," "Duraglas," "Great Stuff Pro," "Handi-Foam Fireblock," "Jaco Firestop," and "DrafTstop" shall be the only insulating foams and barriers used in Source P101, unless prior authorization has been obtained from the

**SECTION D. Source Level Requirements**

Department to use an alternate material considered by the Department to have an equivalent, or lower, air contaminant emission potential.

041 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this plan approval condition is derived from 25 Pa. Code §§127.1 and 127.12]

"Dutch Boy Lead Free Solder" shall be the only solder used in Source P101, unless prior authorization has been obtained from the Department to use an alternate material considered by the Department to have an equivalent, or lower, air contaminant emission potential. "Dutch Boy Lead Free Solder" shall contain no volatile organic compounds and no volatile hazardous air pollutants.

**SECTION D. Source Level Requirements**

Source ID: P102

Source Name: WOODWORKING OPERATION

Source Capacity/Throughput:

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

001 [25 Pa. Code §123.13]

Processes

[Additional authority for this permit condition is derived from the Request for Determination dated December 13, 2007]

[Compliance with this condition assures compliance with 25 Pa Code Section 123.13]

The concentration of particulate matter in the exhaust of Control Device ID C102 associated with Source ID P102 shall not exceed 0.01 grains per dry standard cubic foot of effluent gas volume.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

III. MONITORING REQUIREMENTS.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Control Device ID C102 shall be equipped with instrumentation to monitor the differential pressure across the collector on a continuous basis.

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

A sufficient quantity of spare filter bags shall be kept on hand at all times in order to immediately replace any bags requiring replacement due to deterioration resulting from routine collector operation.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The material collected in the dust hopper shall be removed by dumping through a drop cloth directly into a garbage bin, which will be tarped before transporting for disposal. Additionally, these dumping operations shall occur inside a permanent three-sided, roofed enclosure to prevent the fugitive emission of particulate matter from the handling of collected material.

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The woodworking operation incorporated in Source ID P102 shall not process wood that has been treated with a wood preservative of any kind.

006 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

An oil/water/air separator shall be installed and operated at the head of the Control Device ID C102 to ensure that the compressed air supplied by a plant-wide system is free of oil and moisture.

007 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

(a) Source ID P102 consists of the following woodworking equipment:

- (1) one moulder
- (2) two rip saws
- (3) one straight line saw
- (4) one planer
- (5) one belt sander
- (6) one joist saw
- (7) one rafter saw
- (8) one table saw and
- (9) two radial arm saws

(b) The above air-contaminant sources shall be controlled by a Torit model 160 HPW fabric collector (Control Device ID C102).



SECTION E. Source Group Restrictions.



SECTION F. Alternative Operation Requirements.

No Alternative Operations exist for this State Only facility.



SECTION G. Emission Restriction Summary.

No emission restrictions listed in this section of the permit.



SECTION H. Miscellaneous.

The following air contaminant sources are considered by the Department to be insignificant with regards to air contaminant emissions and are determined to be exempt from permitting requirements. However, this determination does not exempt the sources from compliance with all applicable State and Federal regulation and all applicable air quality regulations specified in 25 Pa. Code Chapters 121-145:

- (a) The following propane-fired portable heaters/torches:
 - (1) four rated 0.008 MMBtu/hr each
 - (2) five rated 0.0024 MMBtu/hr each
 - (3) seven rated 0.0026 MMBtu/hr each
 - (4) three rated 1.48 MMBtu/hr each
 - (5) six rated 0.015 MMBtu/hr each
 - (6) two rated 0.040 MMBtu/hr each
- (b) The following kerosene-fired portable heaters:
 - (1) one rated 0.15 MMBtu/hr
 - (2) five rated 0.11 MMBtu/hr each
 - (3) three rated 0.12 MMBtu/hr each
 - (4) one rated 0.125 MMBtu/hr
 - (5) three rated 0.10 MMBtu/hr each
 - (6) six rated 0.155 MMBtu/hr each
- (c) One Biomass Combustion Systems biomass-fired indoor heater rated 0.80 MMBtu/hr
- (d) One Chipmunk Max-Ox Model 600 biomass-fired hot water boiler rated 0.60 MMBtu/hr
- (e) One Kohler model Command 20 gasoline-fired generator rated 20 bhp
- (f) One Troy Bilt model 020208 gasoline-fired pressure washer rated 6.75 bhp
- (g) One 80 gallon gasoline storage tank
- (h) One 825 gallon diesel fuel storage tank
- (i) One 4000 gallon propane storage tank
- (j) Four forklifts and associated engines
- (k) One portable gasoline-fired air compressor
- (l) One portable gasoline-fired welder
- (m) One portable propane-fired cutting torch
- (n) One 0.012 MMBtu/hr propane-fired Model Home Gas Fireplace
- (o) One 0.040 MMBtu/hr propane-fired Model Home Gas Furnace



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