



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

PLAN APPROVAL

Issue Date: August 21, 2025
Expiration Date: February 20, 2027

Effective Date: August 21, 2025

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. 28-05051C

Federal Tax Id - Plant Code: 20-3207111-2

Owner Information

Name: AJ STOVE & PELLET LLC
Mailing Address: 8642 MOLLY PITCHER HWY
GREENCASTLE, PA 17225-9716

Plant Information

Plant: AJ STOVE & PELLET LLC/GREENCASTLE MOLLY PITCHER HWY
Location: 28 Franklin County 28905 Antrim Township
SIC Code: 2499 Manufacturing - Wood Products, Nec

Responsible Official

Name: ARCHIE JONES
Title: SOLE MEMBER
Phone: (717) 375 - 2125 Email: archie@shankpallet.com

Plan Approval Contact Person

Name: ARCHIE JONES
Title: SOLE MEMBER
Phone: (717) 375 - 2125 Email: archie@shankpallet.com

[Signature] _____
WILLIAM R. WEAVER, SOUTHCENTRAL REGION AIR PROGRAM MANAGER



Plan Approval Description

This plan approval authorizes the replacement of a rotary dryer burner at an existing wood pellet manufacturing plant, currently operating under Plan Approval 28-05051A. The facility is a Synthetic Minor Facility.



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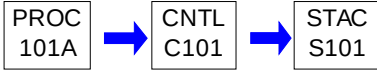
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Source ID	Source Name	Capacity/Throughput	Fuel/Material
101A	ROTARY DRYER	8.000 Tons/HR	OVEN-DRIED WOOD MATEI
C101	MULTI-CLONE		
S101	MULTI-CLONE EXHAUST		

PERMIT MAPS

**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 § 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 §123.1]****Prohibition of certain fugitive emissions**

No person shall permit the emission into the outdoor atmosphere of any fugitive air contaminant from a source other than 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.
- (g) Sources and classes of sources other than those identified above, for which the operator has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:
 - 1) the emissions are of minor significance with respect to causing air pollution; and
 - 2) the emissions are not preventing or interfering with the attainment or maintenance of any ambient air standard.

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

The permittee shall not allow fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in Section C, Condition #001, if such emissions are visible at the point the emissions pass the permittee's property.

003 [25 Pa. Code §123.31]**Limitations**

The permittee may not 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 permittee's property.

004 [25 Pa. Code §123.41]**Limitations**

The permittee may not 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.

005 [25 Pa. Code §123.42]**Exceptions**

The emission limitations of 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 limitation;
- (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 Section C, Condition #001.

**SECTION C. Site Level Plan Approval Requirements****# 006 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The permittee shall limit the facility's annual emissions to less than the following thresholds during any consecutive 12-month period:

- (a) 100 tons per year (TPY) of NO_x.
- (b) 100 TPY of carbon monoxide (CO).
- (c) 50 TPY of volatile organic compounds (VOC).
- (d) 100 TPY of sulfur oxides (SO_x).
- (e) 100 TPY of PM-10 (particulate matter having an effective aerodynamic diameter less than or equal to a nominal 10 micron body).
- (f) 100 TPY of PM-2.5 (particulate matter having an effective aerodynamic diameter less than or equal to a nominal 2.5 micron body).
- (g) 10 TPY of any individual hazardous air pollutant (HAP).
- (h) 25 TPY of aggregate HAPs.

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

(a) No person shall conduct the open burning of material in an area outside of the established air basins in a manner that:

- (1) The emissions are visible, at any time, at the point such emissions pass outside the property of the person on whose land the open burning is being conducted.
- (2) Malodorous air emissions from the open burning are detectable outside the property of the person on whose land the open burning is being conducted.
- (3) The emissions interfere with the reasonable enjoyment of life and property.
- (4) The emissions cause damage to vegetation or property.
- (5) The emissions are or may be deleterious to human or animal health.

(b) The above requirements do not apply when the open burning results from:

- (1) 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.
- (2) A fire set for the purpose of instructing personnel in fire fighting, when approved by the Department.
- (3) A fire set for the prevention and control of disease or pests, when approved by the Department.
- (4) A fire set solely for recreational or ceremonial purposes.
- (5) A fire set solely for cooking food.

(c) This permit does not constitute authorization to burn solid waste pursuant to Section 610 (3) of the Solid Waste Management Act, 35 P.S. Section 6018.610 (3), or any other provision of the Solid Waste Management Act.

II. TESTING REQUIREMENTS.**# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The Department reserves the right to require exhaust stack testing of the sources and control devices referenced in this permit to measure emissions for purposes including verification of permit condition compliance and estimation of annual air emissions.

**SECTION C. Site Level Plan Approval Requirements****# 009 [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 such sources. In the request, the Department will set forth the time period in which the facilities shall be provided, as well as the specifications for the facilities.

010 [25 Pa. Code §139.11]**General requirements.**

(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.

(2) The Department will consider 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:

- (i) A thorough source description, including a description of any air cleaning devices and the flue.
- (ii) 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 affect emissions from the process.
- (iii) The location of the sampling ports.
- (iv) Effluent characteristics, including velocity, temperature, moisture content, gas density (percentage CO, CO₂, O₂ and N₂), static and barometric pressures.
- (v) 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.
- (vi) Laboratory procedures and results.
- (vii) Calculated results.

III. MONITORING REQUIREMENTS.**# 011 [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 (e.g. Continuous Opacity Monitor).

(2) Observers, trained and certified in EPA Method 9, 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.**

The permittee shall calculate monthly air emissions from the facility using AP-42 emission factors, manufacturer-supplied emission factors, material balance, performance (stack) test data, CEMS data, or other method(s) approved by the Department in order to demonstrate compliance with Section C, Condition #006.

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

The permittee shall conduct a weekly inspection around the plant periphery during daylight hours when the plant is in production to detect visible emissions, fugitive particulate matter emissions and malodorous air contaminants. Weekly inspections are necessary to determine:

- (a) The presence of visible emissions. Visible emissions may be measured according to the methods specified in Section C, Condition #011, or alternatively, plant personnel who observe such emissions may report the incidence of visible emissions to the designated company representative who shall make arrangements for a certified observer to verify the visible emissions.
- (b) The presence of fugitive particulate matter emissions beyond the plant boundaries as stated in Section C, Condition #002.

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

(c) The presence of malodorous air contaminants beyond the plant boundaries as stated in Section C, Condition #003.

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

- (a) The permittee shall maintain records of the monthly air emissions referenced in Section C, Condition #012.
- (b) The permittee shall calculate the cumulative facility air emissions for each consecutive 12-month period. The permittee shall maintain records of the cumulative facility air emissions for each consecutive 12-month period in order to demonstrate compliance with Section C, Condition #006.
- (c) The permittee shall retain these records for a minimum of five (5) years. The records shall be made available to the Department upon its request.

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

The permittee shall maintain records of each weekly inspection conducted in accordance with Section C, Condition #013. At a minimum, these records shall include the following information:

- (1) The name of the company representative conducting each inspection.
- (2) The date and time of each inspection.
- (3) The wind direction during each inspection.
- (4) A description of the emissions and/or malodors observed, if any, and the actions taken to mitigate them. If no visible or fugitive particulate matter emissions and/or malodors are observed, then record "None".

The permittee shall maintain these records for a minimum of five (5) years and shall make them available to Department representatives upon request.

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

All records required by this plan approval and any related operating permits or renewals shall be maintained on-site for the most recent five-year period and shall be made available to Department representatives upon request.

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

- a.) The permittee shall submit semiannual reports to the Department regarding the project that is the subject of this plan approval. The reports shall be due on January 31 and July 31 of each year. The permittee shall continue submitting these reports until either:
- 1.) the first plan approval extension application for the project has been submitted, or
 - 2.) the permit administrative amendment application has been submitted for the project, or
 - 3.) an operating permit initial or renewal application addressing the inclusion of this plan approval, has been submitted for the facility.
- b.) The semiannual reports shall contain the following:
- 1.) a brief summary of the status of the project, including any key construction milestones during the relevant semiannual period, and

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

2.) a statement of whether the equipment that is the subject of the plan approval has begun operating for any purpose, and what was the date that such operation began.

3.) a statement of whether a plan approval extension is expected to be needed during the upcoming semiannual period, and if so, when the permittee anticipates submitting the application for such an extension.

c.) The semiannual reports shall be sent to: Air Quality Program Manager, Department of Environmental Protection, Southcentral Regional Office, 909 Elmerton Avenue, Harrisburg, PA 17110,

d.) Within 60 days of the Department's written request to do so, the permittee shall submit either:

1.) an initial state-only or Title V operating permit application for this facility, or

2.) an application for administrative amendment to incorporate the provisions of this plan approval into an existing state-only or Title V operating permit.

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

[Additional authority for this permit condition is derived from 25 Pa. Code Section 135.3]

The permittee shall submit an annual report to the Air Quality District Supervisor that includes the following:

(a) monthly wood pellet production

The report for each January 1st through December 31st period is due no later than March 1st of the following year for each year authorized by the operating permit or its renewal.

Unless otherwise approved by DEP, all reports shall be reported through the Department's Greenport PUP system available through:

<https://greenport.pa.gov/ePermitPublicAccess/PublicSubmission/Home>

The permittee may request an extension of time from the Department for the filing of the annual report specified above and the Department may grant the extension for reasonable cause.

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

[Additional authority for this condition is derived from 25 Pa. Code Section 135.3]

(a) 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.

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

[Additional authority for this condition is derived from 25 Pa. Code Section 135.4]

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.

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

[Additional authority for this condition is derived from 25 Pa. Code Section 135.3]

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

(a) An annual air emissions report for a given calendar year is due no later than March 1 of the following year. The annual emissions statement (AES report) shall be submitted to the Air Quality District Supervisor, electronically via AES Online, through the Department's GreenPort website:

<https://www.depgreenport.state.pa.us>

(b) The monthly air emissions and calculations referenced in Section C, Conditions #012 and #014, shall be included in the annual air emissions report.

(c) The permittee may request an extension of time from the Department for the filing of the air emissions report specified in part (a), above, and the Department may grant the extension for reasonable cause.

022 [25 Pa. Code §127.442]**Reporting requirements.**

The permittee shall report malfunctions which occur at the facility 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 that may result in an increase in air emissions above minor significance. Failures that are caused in part by poor maintenance or careless operation are not malfunctions. Malfunctions shall be reported as follows:

(a) Malfunctions which pose an imminent danger to public health, safety, welfare and the environment, shall be immediately reported to the Department by telephone. The telephone report of such malfunctions shall occur no later than two hours after discovery of the incident. Telephone reports can be made to the Air Quality Program at (717) 705-4702 during normal business hours, or to the Department's Emergency Hotline 866-825-0208 at any time. The Emergency Hotline phone number is changed/updated periodically. The current Emergency Hotline phone number can be found at <https://www.dep.pa.gov/About/Regional/SouthcentralRegion/Pages/default.aspx>.

(1) The notice shall describe the:

- (i) name and location of the facility;
- (ii) nature and cause of the malfunction or breakdown;
- (iii) time when the malfunction or breakdown was first observed;
- (iv) expected duration of excess emissions; and
- (v) estimated rate of emissions.

(2) The owner or operator shall notify the Department immediately when corrective measures have been accomplished.

(3) The permittee shall submit a written report of instances of such malfunctions to the department, in writing, within three (3) days of the of the telephone report.

(4) The owner or operator shall submit reports on the operation and maintenance of the source to the Regional Air Program Manager at such intervals and in such form and detail as may be required by the Department. Information required in the reports may include, but is not limited to, process weight rates, firing rates, hours of operation, and maintenance schedules.

(b) Unless otherwise required by this permit, any other malfunction that is not subject to the reporting requirements of (a) above, shall be reported to the Department, in writing, within five (5) days of discovery of the malfunction.

(c) Unless otherwise approved by DEP, all malfunctions shall be reported through the Department's Greenport PUP system available through:

<https://greenport.pa.gov/ePermitPublicAccess/PublicSubmission/Home>

VI. WORK PRACTICE REQUIREMENTS.**# 023 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

The permittee shall take all reasonable actions to prevent particulate matter from the sources identified in Site Level

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

Requirements Condition 001 (a) through (e) from becoming airborne. The actions shall include, but are 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, water or suitable chemicals on dirt roads, materials 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.

024 [25 Pa. Code §127.25]**Compliance requirement.**

The permittee shall operate and maintain all sources and any air cleaning devices identified in this plan approval in accordance with the manufacturer's recommendations/specifications, as well as in a manner consistent with good operating practices.

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

The permittee shall notify the person noted below when the source(s) and control device(s) is/are operating as designed so the source(s) and control device(s) may be inspected while in operation for the inclusion in or issuance of an Operating Permit.

Laura Dreibelbis
Southcentral Regional Office
Air Quality Program
909 Elmerton Avenue
Harrisburg, PA 17110
717-705-4878
ldreibelbi@pa.gov

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

The conditions in Section C of this Plan Approval shall supersede the conditions in Section C of Plan Approval No. 28-05051A, and any extensions of that plan approval.

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.

No compliance milestones exist.

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

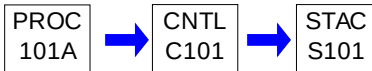
Source ID: 101A

Source Name: ROTARY DRYER

Source Capacity/Throughput:

8.000 Tons/HR

OVEN-DRIED WOOD MATERIAL

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

No person may permit the emission into the outdoor atmosphere of particulate matter from Source 101A in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §123.21]**General**

The permittee may not permit the emission into the outdoor atmosphere of sulfur dioxide from the Source ID 101A rotary dryer in such a manner that the concentration of sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

Fuel Restriction(s).**# 003 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

(a) The wood-fired dryer shall only be fired on a mix of clean, unadulterated cellulosic biomass, construction & demolition wood as specified in (b), and resinated wood material as specified in (c).

(b) Construction & demolition (C&D) wood is limited to the following:

(1) Construction & demolition (C&D wood) only if it is verified by the permittee as "clean cellulosic biomass" that has not been comingled with contaminated materials not verified by the permittee as "clean cellulosic biomass".

(c) Permitted resinated wood material is limited to the following:

- (1) plywood
- (2) oriented strandboard (OSB)

(d) Any materials other than those listed under (a), (b), and (c) above shall not be combusted in the wood fired dryer, including:

- (1) Construction & demolition (C&D wood) not verified as "clean cellulosic biomass" or that has been comingled with contaminated materials not considered "clean cellulosic biomass"
- (2) Medium density fiberboard (MDF)
- (3) Particleboard
- (4) Any wood products other than plywood and OSB

Operation Hours Restriction(s).**# 004 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The permittee shall limit the hours of operation of the Source ID 101A dryer to 3,120 hours in any consecutive 12-month period.

Records of operating hours for the dryer must be kept in monthly and rolling 12-month totals.

These records must be kept on site for a minimum of five (5) years and must be made available to the Department upon request.

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

(a) Pursuant to 25 Pa. Code § 139.3 to at least 45 calendar days prior to commencing an emissions testing program, a test protocol shall be submitted to the Department for review and approval. The test protocol shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

(b) Pursuant to 25 Pa. Code § 139.3 at least 15 calendar days prior to commencing an emission testing program, notification as to the date and time of testing shall be given to the appropriate Regional Office. Notification shall also be sent to the Division of Source Testing and Monitoring. Notification shall not be made without prior receipt of a protocol acceptance letter from the Department.

(c) Pursuant to 25 Pa. Code Section 139.53(a)(3) within 15 calendar days after completion of the on-site testing portion of an emission test program, if a complete test report has not yet been submitted, an electronic mail notification shall be sent to the Department's Division of Source Testing and Monitoring and the appropriate Regional Office indicating the completion date of the on-site testing.

(d) Pursuant to 40 CFR Part 60.8(a), 40 CFR Part 61.13(f) and 40 CFR Part 63.7(g) a complete test report shall be submitted to the Department no later than 60 calendar days after completion of the on-site testing portion of an emission test program. For those tests being conducted pursuant to 40 CFR Part 61, a complete test report shall be submitted within 31 days after completion of the test.

(e) Pursuant to 25 Pa. Code Section 139.53(b) a complete test report shall include a summary of the emission results on the first page of the report indicating if each pollutant measured is within permitted limits and a statement of compliance or non-compliance with all applicable permit conditions. The summary results will include, at a minimum, the following information:

1. A statement that the owner or operator has reviewed the report from the emissions testing body and agrees with the findings.
2. Permit number(s) and condition(s) which are the basis for the evaluation.
3. Summary of results with respect to each applicable permit condition.
4. Statement of compliance or non-compliance with each applicable permit condition.

(f) Pursuant to 25 Pa. Code § 139.3 to all submittals shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

(g) All testing shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection.

(h) Pursuant to 25 Pa. Code Section 139.53(a)(1) and 139.53(a)(3) two copies of all submittals, besides notifications, shall be sent to the Pennsylvania Department of Environmental Protection, Bureau of Air Quality, Division of Source Testing and Monitoring, 400 Market Street, 12th Floor, Rachel Carson State Office Building, Harrisburg, PA 17105-8468 with deadlines verified through document postmarks. In a like manner, one copy of the submittal shall be sent to the appropriate Regional Office.

(i) The permittee shall ensure all federal reporting requirements contained in the applicable subpart of 40 CFR are followed, including timelines more stringent than those contained herein. In the event of an inconsistency or any conflicting requirements between state and the federal, the most stringent provision, term, condition, method or rule shall be used by default.

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

Unless otherwise approved in writing by the Department, the permittee shall within 60 days after achieving the maximum production rate for the Source ID 101A wood-fired dryer but not later than 180 days after initial startup of the facility, conduct performance tests to verify particulate matter (PM), carbon monoxide (CO), nitrogen oxides (NOx), volatile organic compounds (VOCs), formaldehyde, and isocyanates emissions from the S101 stack.

**SECTION D. Source Level Plan Approval Requirements****# 007 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

Each performance test shall comply with the following requirements for each operating scenario:

(a) Each performance test must be conducted based on maximum operation of the equipment. You must describe maximum operating conditions in your performance test report for the process and control systems and explain why they are representative. You must record the process information that is necessary to document operating conditions during the test and include in such record an explanation to support that such conditions are representative. Upon request, you shall make available to the Department such records as may be necessary to determine the conditions of performance tests.

(b) At a minimum, these records shall include:

- (1) wood material of a typical species mix
- (2) moisture content
- (3) resin formulation
- (4) operating temperature range
- (5) dryer throughput
- (6) burner throughput

III. MONITORING REQUIREMENTS.

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

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

The permittee shall keep monthly records of the following:

(a) A list of each load of wood received at the facility, including its source (e.g. the date the load was received, where the wood originated from, including a written inspection report prepared by the permittee certifying the type of wood (wood, plywood, OSB) and certifying that it is clean wood.)

- (b) Type of fuel combusted in the dryer (e.g. clean wood, PF-resinated plywood, PF-resinated OSB)
- (c) Tons of each type of fuel combusted in the dryer
- (d) Hours of operation of the wood-fired dryer
- (e) Documentation of how each fuel type meets the criteria for a listed non-waste under Section 241.4(a)

These monthly records must be kept on site for a minimum of five (5) years and must be made available to the Department upon request.

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.

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

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

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

The dryer and associated multi-clone shall be operated in accordance with good combustion practices and air pollution control practices.

The permittee shall comply with the tune-up, maintenance and operating vendor guidelines for the wood fired dryer and shall keep records of any adjustments or tune-ups including any corrective measures taken on the wood fired dryer including but not limited to; inspection, adjustment, cleaning or replacement of fuel-burning equipment, including burners and parts necessary for proper operation as specified by the manufacturer, inspection of the flame pattern or characteristics, and adjustments necessary to minimize emissions of NO_x (expressed as NO₂), and to the extent practicable minimize emissions of CO.

010 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Upon startup of the new burner, the permittee shall cease use of the old burner.

011 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Upon startup of Source 101A, the conditions for Source 101A in Section D of this Plan Approval shall supersede the conditions for Source 101 in Section D of Plan Approval No. 28-05051A, and any extensions of that plan approval.



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.**

No emission restrictions listed in this section of the permit.

**SECTION H. Miscellaneous.**

Source ID 101A Rotary Dryer:

20 mmBtu/hour wood-fired burner and rotary dryer
Multi-clone collector



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