



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

PLAN APPROVAL

Issue Date:

Effective Date:

Expiration Date:

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. 13-00003B

Federal Tax Id - Plant Code: 45-5062056-1

Owner Information

Name: PANTHER CREEK POWER OPR LLC
Mailing Address: 4 DENNISON RD
NESQUEHONING, PA 18240-2242

Plant Information

Plant: PANTHER CREEK POWER OPR LLC/NESQUEHONING
Location: 13 Carbon County 13917 Nesquehoning Borough
SIC Code: 4911 Trans. & Utilities - Electric Services

Responsible Official

Name: MATTHEW J COCHRAN
Title: ASSET MANAGER
Phone: (570) 645 - 8721 Email: matt.cochran@strongholddigitalmining.com

Plan Approval Contact Person

Name: CLIFF HEISTAND
Title: ENVIRONMENTAL MANAGER
Phone: (570) 645 - 8721 Ext.203 Email: cheistand@panthercreekenergy.com

[Signature] _____
MARK J. WEJKSZNER, NORTHEAST REGION AIR PROGRAM MANAGER



Plan Approval Description

This Plan Approval is to allow the two existing Panther Creek Power Operating, LLC (Panther Creek) circulating fluidized bed (CFB) combustors (Pyropower Unit #1, Source 031 and Pyropower Unit #2, Source 032), which are both currently permitted to combust culm and No. 2 fuel oil, to also combust tire derived fuel (TDF) as a supplemental fuel up to 15% by weight on a monthly basis. The amount of TDF will be limited to 78,000 TPY based on a 12-month rolling sum.



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

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SECTION A. Table of Contents

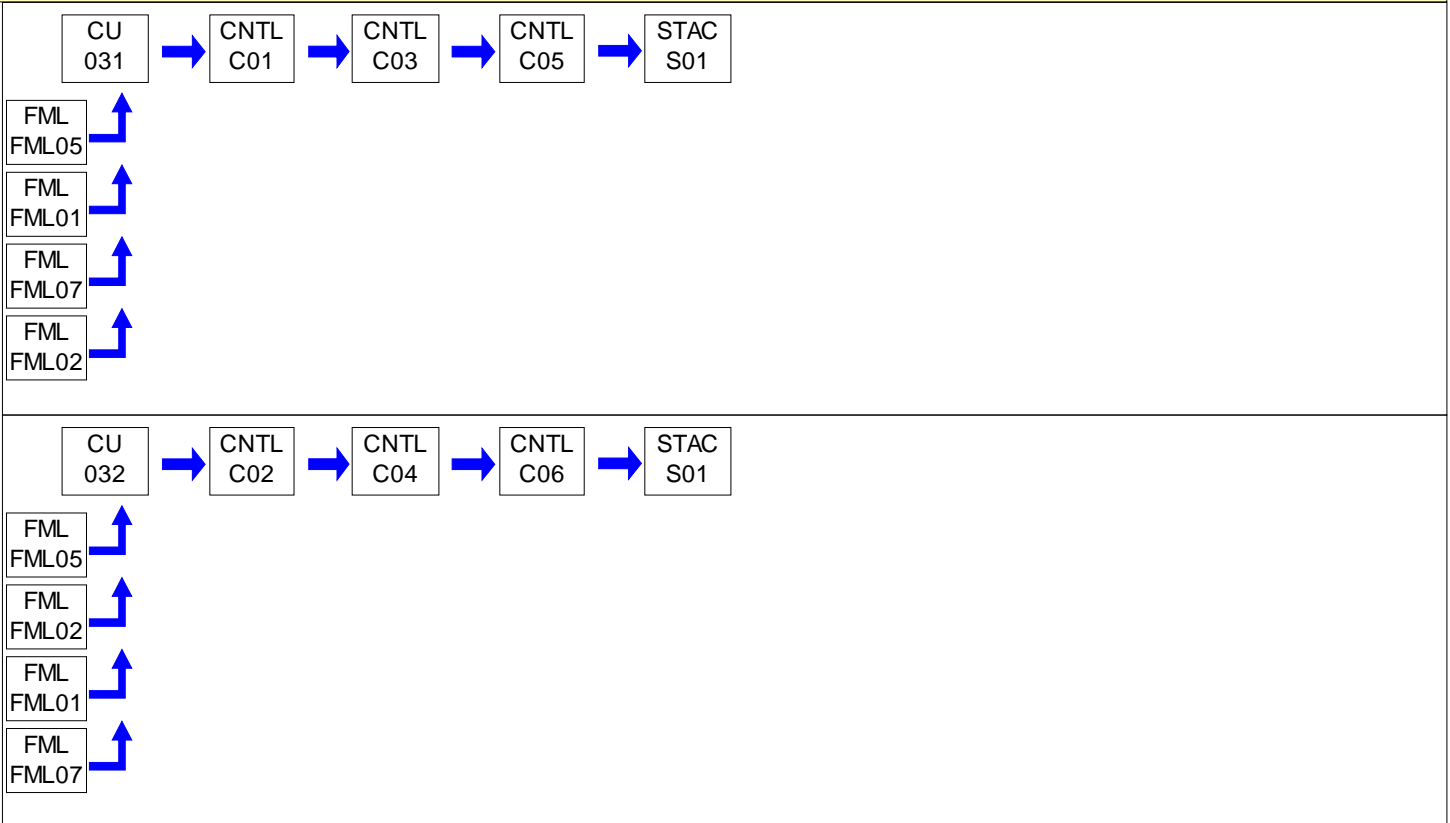
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**SECTION A. Plan Approval Inventory List**

| Source ID | Source Name | Capacity/Throughput | Fuel/Material |
|-----------|--|---------------------|---------------|
| 031 | PYROPOWER UNIT 1 | 600.000 MMBTU/HR | |
| 032 | PYROPOWER UNIT 2 | 600.000 MMBTU/HR | |
| C01 | BRANDT BAGHOUSE #1 | | |
| C02 | BRANDT BAGHOUSE #2 | | |
| C03 | PYROPOWER NO.1 LIMESTONE INJECTION | | |
| C04 | PYROPOWER NO.2 LIMESTONE INJECTION | | |
| C05 | PYROPOWER NO.1 THERMAL DENOX | | |
| C06 | PYROPOWER NO.2 THERMAL DENOX | | |
| FML01 | WINTER CULM PILE | | |
| FML02 | NO.2 FUEL OIL STORAGE - 50,000 GALLONS | | |
| FML05 | ACTIVE CULM PILE | | |
| FML07 | TIRE DERIVED FUEL (TDF) | | |
| S01 | STACK - PYROPOWER #1 & #2 | | |

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 15 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(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(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**

The permittee may not permit the emission into the outdoor atmosphere of a 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 in paragraphs (a)-(f), 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 quality standard.

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

The permittee may not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in Site Level Condition #001 (relating to prohibition of certain fugitive emissions) if such emissions are visible at the point the emissions pass outside the person's property.

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

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 property of the person on whose land the source is being operated.

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

(a) A person 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.

(b) The limitations of section (a) shall not apply to a visible emission in any of the following instances:

- (1) When the presence of uncombined water is the only reason for failure of the emission to meet the limitations.
- (2) When the emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emission.
- (3) When the emission results from sources specified in Site Level Condition #001 (relating to prohibition of certain fugitive emissions).

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

1. Pursuant to the requirements of 40 CFR § 52.21 (aa)(1), 40 C.F.R. 52.21(aa)(4) and 25 Pa. Code §127.218 (f), the following Plantwide Applicability Limit (PAL) is established for emissions of pollutants from all the sources at the facility.

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

PAL Pollutant Emission Limitation TPY (12- month rolling sum)

| | |
|------------------------------|--------------|
| PM Filterable | 113.81 |
| PM10 Filt + Condensable | 86.12 |
| PM2.5 Filt + Condensable | 35.55 |
| SO2 | 603.65 |
| NOx | 586.85 |
| CO | 381.05 |
| Fluorides (not including HF) | 3.0 |
| H2SO4 | 15.15 |
| Pb | 0.03 |
| CO2e | 1,116,217.64 |

- i. Emissions shall include fugitive emissions, to the extent quantifiable, from all emissions units that emit or have the potential to emit the pollutant under the PAL limitations. (40 C.F.R. 52.21(aa)(4)(i)(d)), 25 Pa. Code §127.218 (g)
- ii. Emission calculations for compliance purposes must include emissions from startups, shutdowns, and malfunctions. (40 C.F.R. 52.21(aa)(7)(iv)) & 25 Pa. Code §127.218 (g)
- iii. The effective date of the PAL corresponds to the effective date on the cover page. (40 C.F.R. 52.21(aa)(7)(ii) & 25 Pa. Code §127.218 (g))

II. TESTING REQUIREMENTS.

006 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

If at any time the Department has cause to believe that air contaminant missions from the aforementioned source(s) may be in excess of the limitations specified in, or established pursuant to, any applicable rule or regulation contained in Article III of the Rules and Regulations of the Department of Environmental Protection, the company shall be required to conduct whatever tests are deemed necessary by the Department to determine the actual emission rate(s). Such testing shall be conducted in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection, where applicable, and in accordance with any restrictions or limitations established by the Department at such time as it notified the company that testing is required.

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.

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

V. REPORTING REQUIREMENTS.

007 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

a) Any changes in the location of any sources, or changes in the process or control equipment would be considered a modification and would require the submittal of an amended application for plan approval in accordance with the provisions of 25 Pa. Code Section 127.11 and 127.12.

b) Any notification as a result of any condition herein should be directed to:

Air Quality Program Manager
2 Public Square

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

Wilkes-Barre, PA 18711-0790

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

The permittee, within one (1) hour of discovery of an occurrence, shall notify the Department (either by phone at (570) 826-2511 (Wilkes-Barre), facsimile at (570) 826-2357, or e-mail (to the Regional Air Manager)) of any malfunction, recordkeeping or reporting errors, or other possible non-compliance issues, which reasonably is believed to either result in or possibly result in, the emission of air contaminants in excess of the limitations specified in, or established pursuant to, any applicable rule or regulations contained in Article III of the Rules and Regulations of the Department of Environmental Protection.

A written report shall be submitted to the Department within five working days following the initial notification describing the incident and the corrective actions taken or to be taken. The Department may take enforcement action for any violations of the applicable standards.

VI. WORK PRACTICE REQUIREMENTS.**# 009 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

The permittee shall take all reasonable actions to prevent particulate matter from becoming airborne. These actions shall include, but not be limited to, the following:

- (a) 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.
- (b) Application of asphalt, oil, water or suitable chemicals on dirt roads, material stockpiles and other surfaces which may give rise to airborne dusts.
- (c) Paving and maintenance of roadways.
- (d) 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.

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

The sources within this plan approval may only be operated as long as the associated air pollution control device(s) are operated and maintained in accordance with the specifications set forth in the respective plan approval(s), and the application(s) submitted for said plan approval(s) (as approved by the Department), and in accordance with any conditions set forth herein.

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

The company shall maintain and operate the sources in accordance with good engineering practices.

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

The company shall not impose conditions upon or otherwise restrict the Department's access to the sources and/or any associated air cleaning device(s) and shall allow the Department to have access at any time to the sources and associated air cleaning device(s) 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.

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

- a) Nothing in this Plan Approval shall relieve the permittee or any operator from the obligation to comply with all applicable Federal, state and local laws and regulations.
- b) Nothing in this Plan Approval shall relieve the permittee or any operator from the obligation to comply with any local



SECTION C. Site Level Plan Approval Requirements

zoning ordinances or other land use, planning or occupancy requirements.

014 [25 Pa. Code §127.12b]
Plan approval terms and conditions.
The facility is subject to all applicable requirements of 40 CFR Part 60, Subpart Da, Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units

015 [25 Pa. Code §127.12b]
Plan approval terms and conditions.
The facility is subject to all applicable requirements of 40 CFR Part 63, Subpart UUUUU, National Emission Standards for Hazardous Air Pollutants: Coal- and Oil-Fired Electric Utility Steam Generating Units

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.

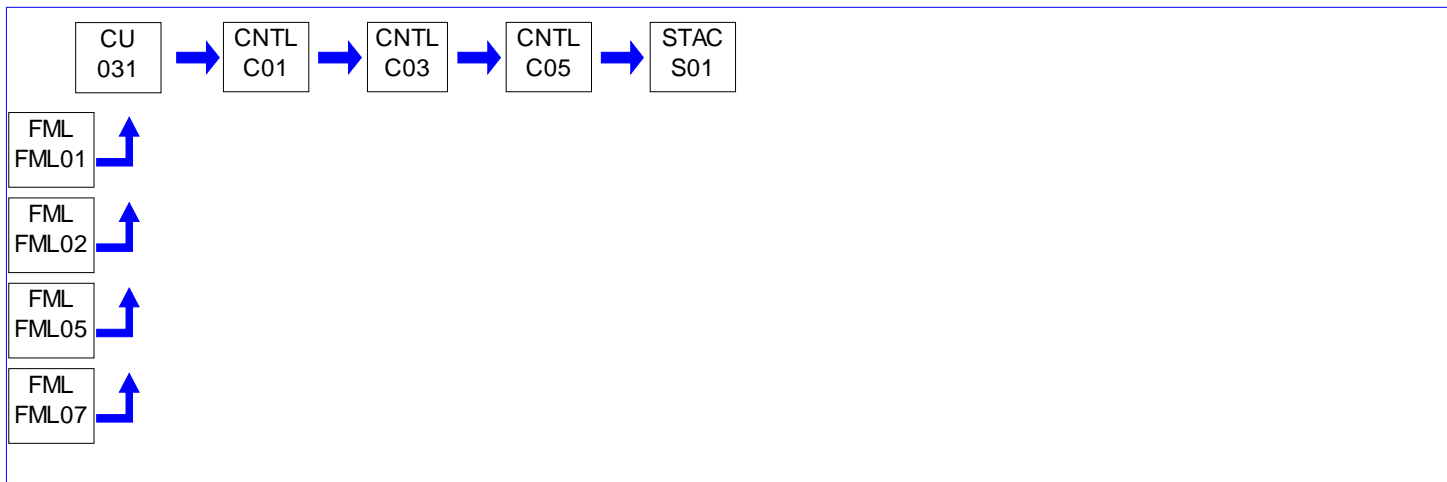
**SECTION D. Source Level Plan Approval Requirements**

Source ID: 031

Source Name: PYROPOWER UNIT 1

Source Capacity/Throughput: 600.000 MMBTU/HR

Conditions for this source occur in the following groups: GROUP 07

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

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) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

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) and/or Section E (Source Group Restrictions).

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) and/or Section E (Source Group Restrictions).

**SECTION D. Source Level Plan Approval Requirements****VII. ADDITIONAL REQUIREMENTS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

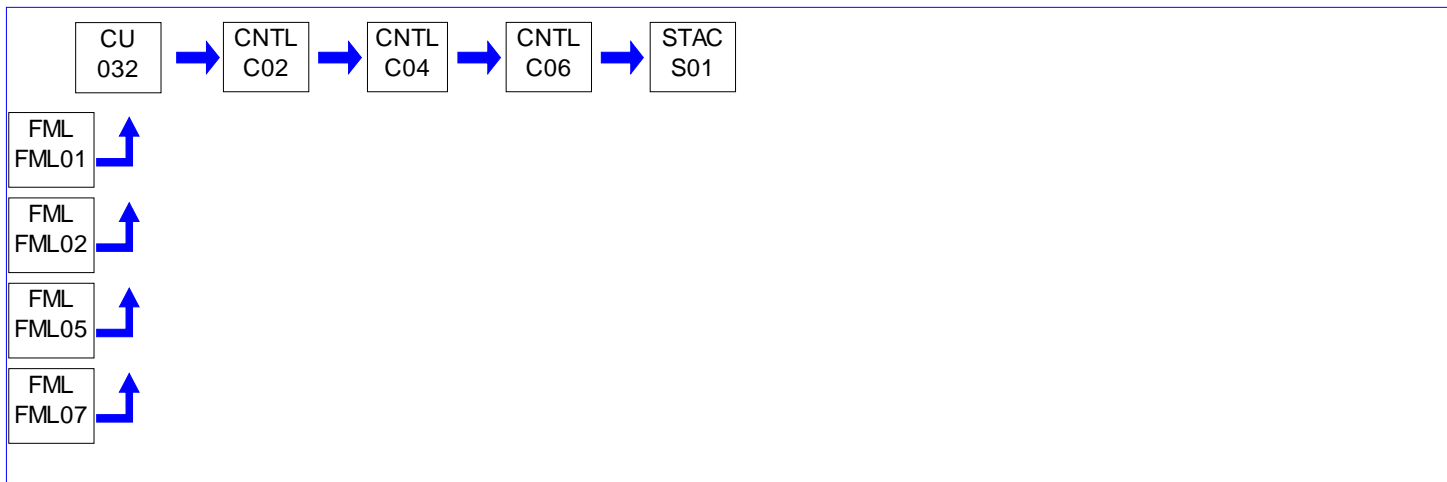
**SECTION D. Source Level Plan Approval Requirements**

Source ID: 032

Source Name: PYROPOWER UNIT 2

Source Capacity/Throughput: 600.000 MMBTU/HR

Conditions for this source occur in the following groups: GROUP 07

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

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) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

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) and/or Section E (Source Group Restrictions).

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) and/or Section E (Source Group Restrictions).

**SECTION D. Source Level Plan Approval Requirements****VII. ADDITIONAL REQUIREMENTS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**SECTION E. Source Group Plan Approval Restrictions.**

Group Name: GROUP 07

Group Description: Tire Derived Fuel (TDF)

Sources included in this group

| ID | Name |
|-------|--|
| 031 | PYROPOWER UNIT 1 |
| 032 | PYROPOWER UNIT 2 |
| C01 | BRANDT BAGHOUSE #1 |
| C02 | BRANDT BAGHOUSE #2 |
| C03 | PYROPOWER NO.1 LIMESTONE INJECTION |
| C04 | PYROPOWER NO.2 LIMESTONE INJECTION |
| C05 | PYROPOWER NO.1 THERMAL DENOX |
| C06 | PYROPOWER NO.2 THERMAL DENOX |
| FML01 | WINTER CULM PILE |
| FML02 | NO.2 FUEL OIL STORAGE - 50,000 GALLONS |
| FML05 | ACTIVE CULM PILE |
| FML07 | TIRE DERIVED FUEL (TDF) |

I. RESTRICTIONS.**Emission Restriction(s).****# 001 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The two (2) circulating fluidized bed (CFB) combustors (Pyropower Unit #1, Source 031 and Pyropower Unit #2, Source 032), shall combust tire derived fuel (TDF) as a supplemental fuel up to 15% by weight on a monthly basis.

Throughput Restriction(s).**# 002 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The amount of shredded tires (TDF) to be burned is limited to 78,000 tons per year, based on a 12-month rolling sum.

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

No more than 15,000 tons of TDF will be stored on site at any time.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

- The permittee shall keep monthly records to verify the 12-month rolling sum of shredded tires burned (TDF) at the facility.
- These records shall be kept for a five (5) year minimum period and be made available to the Department upon request.

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

In accordance with the plantwide applicability (PAL) provisions of 40 CFR 52.21(AA)((7) & (12) & 25 Pa. Code §§127.218(g) and (m), the permittee shall calculate the total emissions from the facility on a monthly basis and a 12-month

**SECTION E. Source Group Plan Approval Restrictions.**

rolling sum
for PAL pollutants.

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

The owner/operator shall show that the sum of the monthly emissions from each source including emissions from startup, shutdowns and malfunctions under the PALs for the previous 12 consecutive months is less than the PAL (a 12-month sum, rolled monthly) respectively. To determine the compliance with the PALs, the calculated pollutant(s) emissions for the month shall be added to the previous 11 months calculated pollutant (s) emissions for the total facility.

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

The facility shall meet the following Waste Management requirements:

TDF Management Requirements

1. Only shredded, chipped, or crumbed TDF that meets PC fuel specifications will be accepted. Unacceptable shipments will be rejected and not unloaded at the facility. Piles of TDF stored will not be more than 15 feet in height and will not cover a surface area greater than 2,500 square feet. The corridors between these TDF piles will be a minimum of thirty-five (35) feet wide and are maintained as fire breaks on all sides of the storage piles, with no point being more than twenty-five 25 feet from a fire break. All corridors are to be maintained free from obstructions that could limit access in the event of an emergency.
2. PC's outdoor TDF storage areas have catch basins which will prevent the discharge of fire-generated oils and liquids into the surface water and groundwater should a TDF fire occur.
3. TDF will not be accumulated speculatively or stored for more than one (1) year.
4. PC's outdoor TDF storage areas are not in a 100-year floodplain, not within 100 feet of a wetland, not within 300 feet of dwellings not owned by PC, not within 100 feet of a sinkhole or area draining into a sinkhole, not within 100 feet of a perennial stream, not within 50 feet of a property line, not within 300 feet of a water source.

**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.



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