



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

PLAN APPROVAL

Issue Date: December 10, 2025

Effective Date: December 10, 2025

Expiration Date: May 31, 2027

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. 67-03182A

Federal Tax Id - Plant Code: 01-0783057-1

Owner Information

Name: SEPARATION TECH
Mailing Address: PO BOX 98
1400 WAGO ROAD
YORK HAVEN, PA 17370-0098

Plant Information

Plant: SEPARATION TECH/BRUNNER ISLAND FLYASH RECYCLING
Location: 67 York County 67917 East Manchester Township
SIC Code: 4911 Trans. & Utilities - Electric Services

Responsible Official

Name: THOMAS MCERULLO
Title: VICE PRESIDENT
Phone: (781) 972 - 2309 Email: tcerullo@titanamerica.com

Plan Approval Contact Person

Name: DOUG WIDENER
Title: NORTH REG OPERATIONS MGR
Phone: (717) 451 - 0940 Email: dwidener@titanamerica.com

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



Plan Approval Description

This plan approval authorizes the construction and temporary operation of a new basin ash harvesting and drying plant at the existing Separation Technology fly ash recycling facility on Brunner Island. Equipment to be installed includes a rotary drum dryer with a low NOx 80 MMBtu/hr natural gas-fired burner followed by an air swept tubular dryer with a low NOx 20 MMBtu/hr natural gas-fired burner; material handling and screening equipment; and eight (8) new fabric collectors for particulate matter control.

The facility will also assume control of two (2) storage silos, ten (10) fabric collectors and additional material handling equipment currently in the Brunner Island, LLC Title V Operating Permit No. 67-05005 as Source 127.



SECTION A. Table of Contents

Section A. Facility/Source Identification

Table of Contents
Plan Approval Inventory List

Section B. General Plan Approval Requirements

- #001 Definitions
- #002 Future Adoption of Requirements
- #003 Plan Approval Temporary Operation
- #004 Content of Applications
- #005 Public Records and Confidential Information
- #006 Plan Approval Terms and Conditions
- #007 Transfer of Plan Approvals
- #008 Inspection and Entry
- #009 Plan Approval Changes for Cause
- #010 Circumvention
- #011 Submissions
- #012 Risk Management
- #013 Prohibition of Air Pollution
- #014 Compliance Requirement

Section C. Site Level Plan Approval Requirements

- C-I: Restrictions
- C-II: Testing Requirements
- C-III: Monitoring Requirements
- C-IV: Recordkeeping Requirements
- C-V: Reporting Requirements
- C-VI: Work Practice Standards
- C-VII: Additional Requirements
- C-VIII: Compliance Certification
- C-IX: Compliance Schedule

Section D. Source Level Plan Approval Requirements

- D-I: Restrictions
- D-II: Testing Requirements
- D-III: Monitoring Requirements
- D-IV: Recordkeeping Requirements
- D-V: Reporting Requirements
- D-VI: Work Practice Standards
- D-VII: Additional Requirements

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

Section E. Source Group Restrictions

- E-I: Restrictions
- E-II: Testing Requirements
- E-III: Monitoring Requirements
- E-IV: Recordkeeping Requirements
- E-V: Reporting Requirements
- E-VI: Work Practice Standards
- E-VII: Additional Requirements

Section F. Alternative Operating Scenario(s)

- F-I: Restrictions
- F-II: Testing Requirements



SECTION A. Table of Contents

F-III: Monitoring Requirements
F-IV: Recordkeeping Requirements
F-V: Reporting Requirements
F-VI: Work Practice Standards
F-VII: Additional Requirements

Section G. Emission Restriction Summary

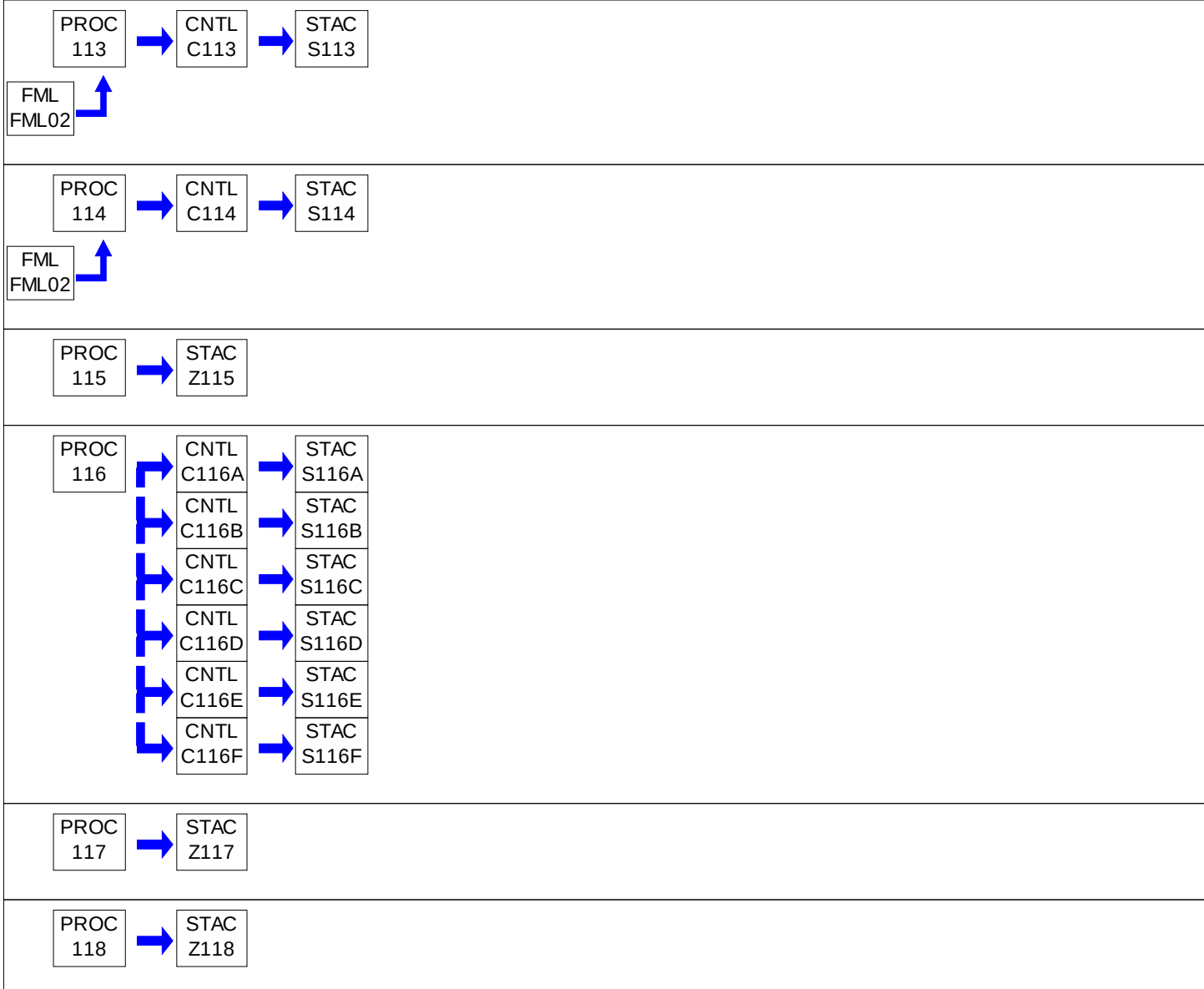
Section H. Miscellaneous

**SECTION A. Plan Approval Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
113	DRYER A - DRYING PLANT	80.000 MMBTU/HR	
		78.431 MCF/HR	Natural Gas
		76.000 Tons/HR	BASIN ASH
114	DRYER B - DRYING PLANT	20.000 MMBTU/HR	
		19.608 MCF/HR	Natural Gas
		42.900 Tons/HR	BASIN ASH
115	BASIN ASH MATERIAL HANDLING	76.000 Tons/HR	BASIN ASH
116	DRY ASH MATERIAL HANDLING	132.000 Tons/HR	DRY ASH
117	COARSE MATERIAL LOADOUT - DRYING PLANT	300.000 Tons/HR	COARSE ASH
118	ROADWAY EMISSIONS - DRYING PLANT		
127	DRY ASH MATERIAL HANDLING - TALEN EQUIPMENT	132.000 Tons/HR	DRY ASH
C113	DRYER A FILTER - DRYING PLANT (CO 13)		
C114	DRYER B FILTER - DRYING PLANT (CO 14)		
C116A	MINERAL FILTER-RECEIVER (CO 11)		
C116B	CARBON FILTER-RECEIVER (CO 12)		
C116C	DRY COARSE SILO FILTER (CO 15)		
C116D	DRY COARSE SILO LOADING (CO 16)		
C116E	CLASSIFIER VENT FILTER (CO 17)		
C116F	BALL MILL VENT FILTER (CO 18)		
C117	LOADOUT FILTER - DRYING PLANT		
C127A	SILO A BIN VENT FILTER (CO4)		
C127A1	SOURCE 127 FABRIC COLLECTOR A-1		
C127A2	SOURCE 127 FABRIC COLLECTOR A-2		
C127B	SILO B BIN VENT FILTER (CO5)		
C127B1	SOURCE 127 FABRIC COLLECTOR B-1		
C127B2	SOURCE 127 FABRIC COLLECTOR B-2		
C27A3A	SOURCE 127 FABRIC COLLECTOR A3A/3C		
C27A3B	SOURCE 127 FABRIC COLLECTOR A3B/3D		
C27B3A	SOURCE 127 FABRIC COLLECTOR B3A/3C		
C27B3B	SOURCE 127 FABRIC COLLECTOR B3B/3D		
FML02	NATURAL GAS		
S113	DRYER A FILTER (CO 13) STACK		
S114	DRYER B FILTER (CO 14) STACK		
S116A	MINERAL FILTER-RECEIVER (CO 11) STACK		
S116B	CARBON FILTER-RECEIVER (CO 12) STACK		
S116C	DRY COARSE SILO FILTER (CO 15) STACK		
S116D	DRY COARSE SILO LOADING (CO 16) STACK		
S116E	CLASSIFIER VENT FILTER (CO 17) STACK		
S116F	BALL MILL VENT FILTER (CO 18) STACK		
S127A	SILO A BIN VENT FILTER (CO4) STACK		
S127A1	SOURCE 127 COLLECTOR A-1 STACK		
S127A2	SOURCE 127 COLLECTOR A-2 STACK		
S127B	SILO B BIN VENT FILTER (CO5) STACK		

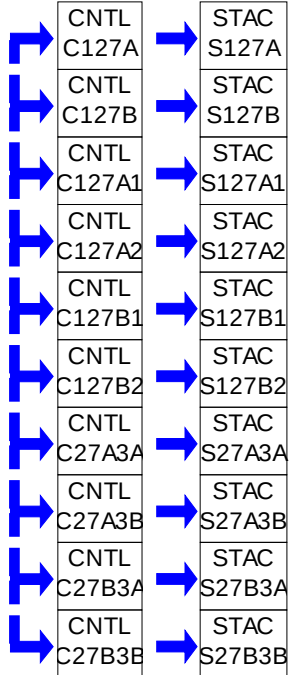
**SECTION A. Plan Approval Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
S127B1	SOURCE 127 COLLECTOR B-1 STACK		
S127B2	SOURCE 127 COLLECTOR B-2 STACK		
S27A3A	SOURCE 127 COLLECTOR A3A/3C STACK		
S27A3B	SOURCE 127 COLLECTOR A3B/3D STACK		
S27B3A	SOURCE 127 COLLECTOR B3A/3C STACK		
S27B3B	SOURCE 127 COLLECTOR B3B/3D STACK		
Z115	SOURCE 115 FUGITIVE EMISSIONS		
Z117	LOADOUT FUGITIVES - DRYING PLANT		
Z118	ROADWAY FUGITIVES - DRYING PLANT		

PERMIT MAPS



PERMIT MAPS

PROC
127

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General Plan Approval Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General Plan Approval Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

Regional Air Program Manager

PA Department of Environmental Protection

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

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

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

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

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

**SECTION B. General Plan Approval Requirements**

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

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

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

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

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

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

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

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



SECTION C. Site Level Plan Approval Requirements

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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.

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.

001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

All conditions contained in Operating Permit No. 67-03182 shall remain in effect unless suspended or amended by conditions contained in this Plan Approval. If there is a conflict between a condition contained in this plan approval and a condition contained in Operating Permit No. 67-03182, the permittee shall comply with the condition contained in this plan approval.

002 [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
- 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.

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

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 an application for administrative amendment to incorporate the provisions of this plan approval into an existing State only operating permit.

003 [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.

Linda Piscioneri
Southcentral Regional Office
Air Quality Program
lpiscioner@pa.gov
717-705-4861

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

This plan approval incorporates, by reference, Section C conditions in the facility's state only Operating Permit No. 67-03182.

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: 113

Source Name: DRYER A - DRYING PLANT

Source Capacity/Throughput:

80.000 MMBTU/HR

78.431 MCF/HR

Natural Gas

76.000 Tons/HR

BASIN ASH

Conditions for this source occur in the following groups: 003

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.21]****General**

The Permittee may not permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

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

Pursuant to the Best Available Technology (BAT) provisions of 25 Pa. Code §127.1, Dryer A emissions shall not exceed the following at any time:

- (1) 12.77 tons/year NO_x;
- (2) 51.81 tons/year CO; and
- (3) 1.89 tons/year VOC.

To demonstrate compliance with the above emission limits, Dryer A emissions shall be calculated and recorded on a monthly basis.

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

Pursuant to the BAT provisions of 25 Pa. Code §127.1, the permittee shall operate Dryer A using natural gas fuel only.

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).



SECTION D. Source Level Plan Approval Requirements

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).

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: 114

Source Name: DRYER B - DRYING PLANT

Source Capacity/Throughput:

20.000 MMBTU/HR

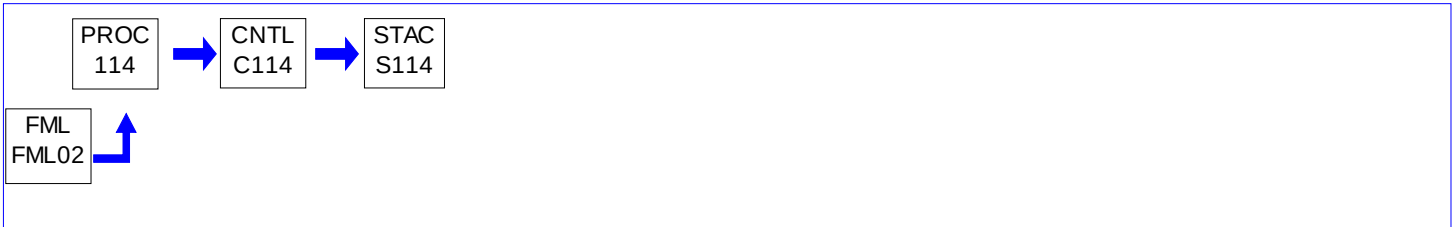
19.608 MCF/HR

Natural Gas

42.900 Tons/HR

BASIN ASH

Conditions for this source occur in the following groups: 003

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.21]****General**

The Permittee may not permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

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

Pursuant to the Best Available Technology (BAT) provisions of 25 Pa. Code §127.1, Dryer B emissions shall not exceed the following at any time:

- (1) 1.06 tons/year NO_x;
- (2) 6.44 tons/year CO; and
- (3) 0.47 tons/year VOC.

To demonstrate compliance with the above emission limits, Dryer B emissions shall be calculated and recorded on a monthly basis.

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

Pursuant to the BAT provisions of 25 Pa. Code §127.1, the permittee shall operate Dryer B using natural gas fuel only.

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).



SECTION D. Source Level Plan Approval Requirements

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).

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: 115

Source Name: BASIN ASH MATERIAL HANDLING

Source Capacity/Throughput:

76.000 Tons/HR

BASIN ASH

Conditions for this source occur in the following groups: 003

**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).

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: 116

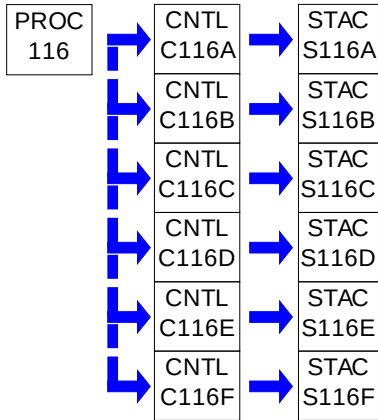
Source Name: DRY ASH MATERIAL HANDLING

Source Capacity/Throughput:

132.000 Tons/HR

DRY ASH

Conditions for this source occur in the following groups: 003

**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: 117

Source Name: COARSE MATERIAL LOADOUT - DRYING PLANT

Source Capacity/Throughput: 300.000 Tons/HR COARSE ASH

Conditions for this source occur in the following groups: 003

**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).

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).

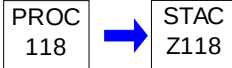
**SECTION D. Source Level Plan Approval Requirements**

Source ID: 118

Source Name: ROADWAY EMISSIONS - DRYING PLANT

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 003

**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).

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**

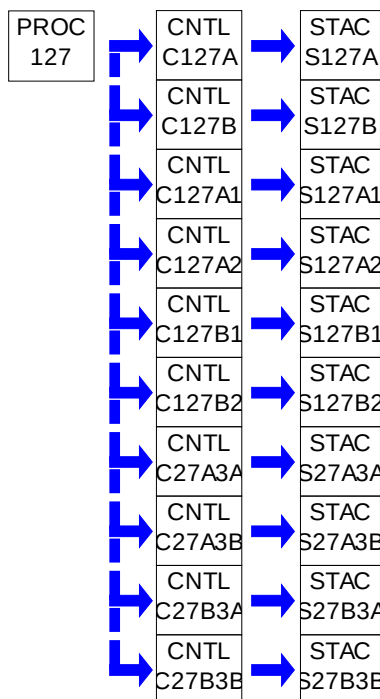
Source ID: 127

Source Name: DRY ASH MATERIAL HANDLING - TALEN EQUIPMENT

Source Capacity/Throughput:

132.000 Tons/HR

DRY ASH

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

001 [25 Pa. Code §123.13]

Processes

[Additional authority for this permit condition is derived from Brunner Island, LLC TV Operating Permit No. 67-05005]

(a) Pursuant to 25 Pa. Code §123.13(c)(1)(i), filterable particulate matter (FPM) emissions from each Source ID 127 control device's exhaust shall not exceed 0.04 grain per dry standard cubic foot.

(b) The PM emission rate limitation of part (a), above, only applies to those Source ID 127 control devices having a flue. Flue, as defined in 25 Pa. Code §121.1, means a duct, pipe, stack, chimney or conduit permitting air contaminants to be emitted into the outdoor atmosphere which is of a nature so as to permit the performance of the test methods and procedures specified in Chapter 139 (relating to sampling and testing).

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).

**SECTION D. Source Level Plan Approval Requirements****IV. RECORDKEEPING REQUIREMENTS.****# 002 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

[Additional authority for this permit condition is derived from Brunner Island, LLC TV Operating Permit No. 67-05005]

(a) The permittee shall maintain detailed records of all maintenance performed on each Source ID 127 bin vent collector and fabric collector.

(b) The permittee shall retain these records for a minimum of five (5) years and shall make them available to the Department upon its 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.**# 003 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from Brunner Island, LLC TV Operating Permit No. 67-05005]

The permittee shall operate each Source ID 127 bin vent collector and fabric collector, as applicable, at all times that Source ID 127 is operating.

004 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from Brunner Island, LLC TV Operating Permit No. 67-05005]

The permittee shall operate and maintain each Source ID 127 bin vent collector and fabric collector in accordance with the manufacturer's specifications.

VII. ADDITIONAL REQUIREMENTS.

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

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

Group Name: 003

Group Description: Fly Ash Drying Plant

Sources included in this group

ID	Name
113	DRYER A - DRYING PLANT
114	DRYER B - DRYING PLANT
115	BASIN ASH MATERIAL HANDLING
116	DRY ASH MATERIAL HANDLING
117	COARSE MATERIAL LOADOUT - DRYING PLANT
118	ROADWAY EMISSIONS - DRYING PLANT

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

Pursuant to the Best Available Technology (BAT) provisions of 25 Pa. Code §127.1, the permittee shall not permit the emission into the outdoor atmosphere of particulate matter (PM) from any of the GROUP 003 sources, at any time, in a manner that the concentration of PM in the effluent gas exceeds 0.015 grain per dry standard cubic foot.

[Compliance with this operating permit condition assures compliance with the PM emission standard contained at 25 Pa. Code §123.13(c)(1)(i).]

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

The permittee shall operate and maintain instrumentation to continuously measure and display the pressure differential across each of the following control devices associated with the GROUP 003 sources: Control IDs, C113, C114, C116A, C116B, C116C, C116D, C116E, and C116F.

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

(a) On a quarterly basis, excavated basin ash shall be tested for the presence of metal HAP as follows:

(1) A sample shall be collected in the bucket of a wheel loader from extracted basin ash in the wet ash storage building. The cone and quartering method shall be applied to the sample until its size has been reduced to about 8 pounds (enough to fill a 1-gallon pail).

(2) Each sample obtained by the method in #1 shall be sent to a PA-certified laboratory for analysis and tested for the following metal HAPs:

- (i) antimony, arsenic, beryllium, cadmium, chromium, cobalt, lead, manganese, nickel, and selenium by EPA Method 6010B; and
- (ii) mercury by EPA Method 7471.

(b) A written report of the findings from the analyses in #2 shall be maintained onsite for a minimum of five years and submitted to the Department upon its request.

(c) After collection and analysis of a full year of quarterly sampling, the permittee may petition the Department regarding sampling and testing frequency. The Department, based on their review of the collected data, may increase, decrease or make no changes to the sampling/analysis frequency.

**SECTION E. Source Group Plan Approval Restrictions.****IV. RECORDKEEPING REQUIREMENTS.****# 004 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

(a) The permittee shall monitor and record the pressure differential across each of the following control devices associated with the GROUP 003 sources: Control IDs, C113, C114, C116A, C116B, C116C, C116D, C116E, and C116F. The pressure differential shall be recorded a minimum of once per week while the source and its respective dust collector are operating. If a GROUP 003 source equipped with any of these control devices did not operate during a given week, that fact shall be documented.

(b) The permittee shall retain these records for a minimum of five (5) years and shall make them available to the Department upon its request.

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

(a) The permittee shall maintain detailed records of all maintenance performed on each control device associated with the GROUP 003 sources.

(b) The permittee shall retain these records for a minimum of five (5) years and shall make them available to the Department upon its 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.**# 006 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

(a) Each of the following control devices shall be in operation any time its associated GROUP 003 source is operating: Control IDs, C113, C114, C116A, C116B, C116C, C116D, C116E, and C116F.

(b) The permittee shall operate and maintain each of the aforementioned control devices in accordance with the manufacturer's specifications.

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

Unless approved in writing by the Department, excavated fly ash processed in the drying plant shall be restricted to Brunner Island historical ash basins 6 and 7.

**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.

NOTE: The capacities/throughputs listed in Section A are for informational use only and should not be construed as enforceable limitations.

With submission of the construction completion and intent to commence operation notification, Separation Technologies assumes operational control of storage silos A and B, ten (10) fabric collectors and additional material handling equipment currently in the Brunner Island, LLC Title V Operating Permit No. 67-05005 as Source 127. Operational control of the lime silo and its bin vent collector (Control ID C127L) will remain with Brunner Island, LLC.



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