



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

STATE ONLY SYNTHETIC MINOR OPERATING PERMIT

Issue Date: September 28, 2026

Effective Date: September 28, 2026

Expiration Date: September 27, 2031

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

The regulatory or statutory authority for each permit condition is set forth in brackets. All terms and conditions in this permit are federally enforceable unless otherwise designated.

State Only Permit No: 09-00223

Synthetic Minor

Federal Tax Id - Plant Code: 27-3416174-1

Owner Information

Name: MORTON SALT INC
Mailing Address: 12 SOLAR DR
FAIRLESS HILLS, PA 19030

Plant Information

Plant: MORTON SALT INC/FAIRLESS HILLS
Location: 09 Bucks County 09002 Falls Township
SIC Code: 5169 Wholesale Trade - Chemicals And Allied Products, Nec

Responsible Official

Name: DAX COLBY
Title: REG GEN MGR
Phone: (215) 543 - 6419 Email: dcolby@kissner.com

Permit Contact Person

Name: DAX COLBY
Title: REG GEN MGR
Phone: (215) 543 - 6419 Email: dcolby@kissner.com

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



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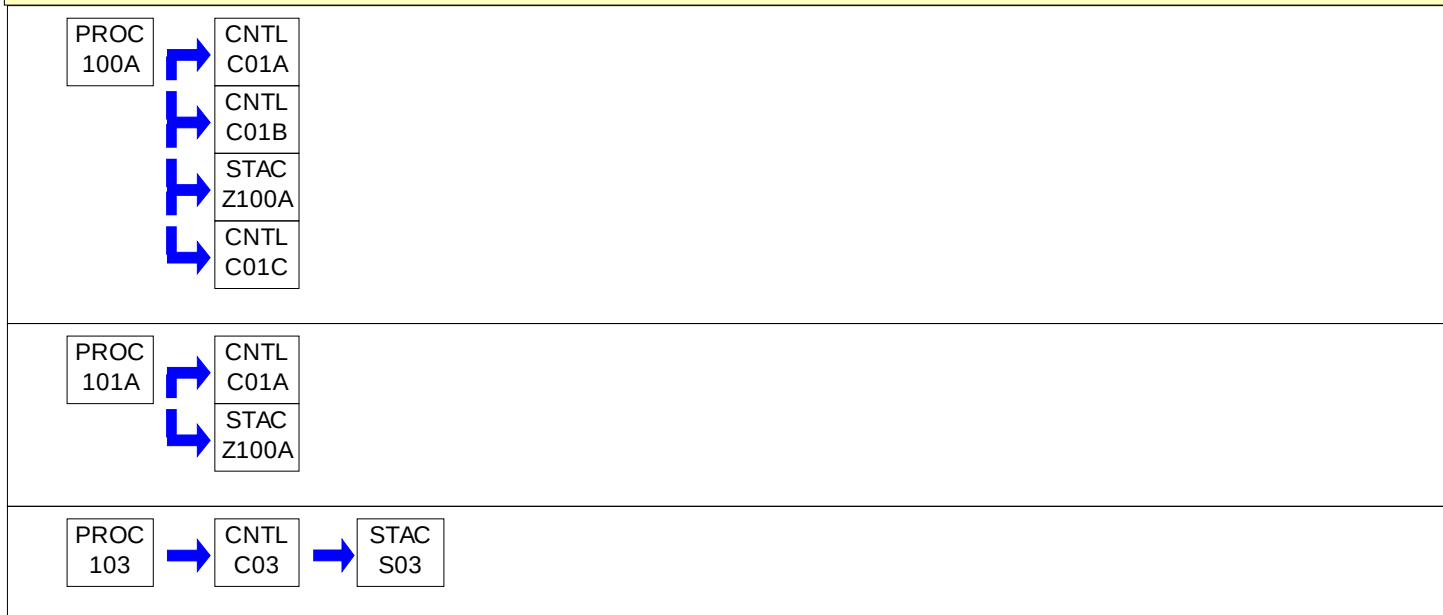
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Source ID	Source Name	Capacity/Throughput	Fuel/Material
100A	SALT TRANSPORT, HANDLING, & STORAGE OPERATIONS		
101A	SALT PROCESSING & PACKAGING OPERATIONS	25.000 Tons/HR	SALT/SOLAR SALT
103	FLUID BED DRYER	14.000 MMBTU/HR	
		44.100 Tons/HR	SOLAR SALT
		13.362 MCF/HR	Natural Gas
C01A	PROCESS BUILDING		
C01B	11 SOLAR WAREHOUSE		
C01C	BULK SALT STORAGE STRUCTURE		
C03	HIGH-EFFICIENCY MULTI-CYCLONE		
S03	HIGH-EFFICIENCY MULTI-CYCLONE STACK		
Z100A	SALT TRANSPORT, HANDLING, & STOR OPERATIONS FUGITIVE EMISS		

PERMIT MAPS

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

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

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

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

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

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

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

- (a) The permittee shall pay the annual operating permit maintenance fee according to the following fee schedule in either paragraph (1) or (2) in accordance with 25 Pa. Code § 127.703(d) on or before December 31 of each year for the next calendar year.
 - (1) For a synthetic minor facility, a fee equal to:
 - (i) Four thousand dollars (\$4,000) for calendar years 2021—2025.
 - (ii) Five thousand dollars (\$5,000) for calendar years 2026—2030.
 - (iii) Six thousand three hundred dollars (\$6,300) for the calendar years beginning with 2031.
 - (2) For a facility that is not a synthetic minor, a fee equal to:

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

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

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

- (a) This operating permit may not be transferred to another person, except in cases of transfer-of-ownership that are documented and approved by the Department.
- (b) In accordance with 25 Pa. Code § 127.450(a)(4), a change in ownership of the source shall be treated as an administrative amendment if the Department determines that no other change in the permit is required and a written agreement has been submitted to the Department identifying the specific date of the transfer of permit responsibility, coverage and liability between the current and the new permittee and a compliance review form has been submitted to, and the permit transfer has been approved by, the Department.
- (c) This operating permit is valid only for those specific sources and the specific source locations described in this permit.

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

- (a) Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Department or authorized representatives of the Department to perform the following:
 - (1) Enter at reasonable times upon the permittee's premises where a source is located or emissions related activity is conducted, or where records are kept under the conditions of this permit;
 - (2) Have access to and copy, at reasonable times, any records that are kept under the conditions of this permit;
 - (3) Inspect at reasonable times, any facilities, equipment including monitoring and air pollution control equipment, practices, or operations regulated or required under this permit;
 - (4) Sample or monitor, at reasonable times, any substances or parameters, for the purpose of assuring compliance with the permit or applicable requirements as authorized by the Clean Air Act, the Air Pollution Control Act, or the regulations promulgated under the Acts.
- (b) Pursuant to 35 P.S. § 4008, no person shall hinder, obstruct, prevent or interfere with the Department or its personnel in the performance of any duty authorized under the Air Pollution Control Act or regulations adopted thereunder including denying the Department access to a source at this facility. Refusal of entry or access may constitute grounds for permit revocation and assessment of criminal and/or civil penalties.
- (c) Nothing in this permit condition shall limit the ability of the EPA to inspect or enter the premises of the permittee in accordance with Section 114 or other applicable provisions of the Clean Air Act.

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

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

**SECTION B. General State Only Requirements**

(2) Permit termination, revocation and reissuance or modification

(3) Denial of a permit renewal application

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

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

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

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

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

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

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

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

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

(1) The permittee constructs or operates the source subject to the operating permit so that it is in violation of the Air Pollution Control Act, the Clean Air Act, the regulations thereunder, a plan approval, a permit or in a manner that causes air pollution.

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

(3) The permittee has failed to submit a report required by the operating permit or an applicable regulation.

(4) The EPA determines that the permit is not in compliance with the Clean Air Act or the regulations thereunder.

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

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

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

**SECTION B. General State Only Requirements**

precluded by the Clean Air Act or its regulations.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

(1) Section 127.14 (relating to exemptions)

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

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

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

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

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

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

**SECTION B. General State Only Requirements****#015 [25 Pa. Code § 127.11a]****Reactivation of Sources**

- (a) The permittee may not reactivate a source that has been out of operation or production for at least one year unless the reactivation is conducted in accordance with a plan approval granted by the Department or in accordance with reactivation and maintenance plans developed and approved by the Department in accordance with 25 Pa. Code § 127.11a(a).
- (b) A source which has been out of operation or production for more than five (5) years but less than 10 years may be reactivated and will not be considered a new source if the permittee satisfies the conditions specified in 25 Pa. Code § 127.11a(b).

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

- (a) When needed to protect public health, welfare and the environment from emissions of hazardous air pollutants from new and existing sources, the permittee shall comply with the health risk-based emission standards or operating practice requirements imposed by the Department, except as precluded by §§ 6.6(d)(2) and (3) of the Air Pollution Control Act [35 P.S. § 4006.6(d)(2) and (3)].
- (b) A person challenging a performance or emission standard established by the Department has the burden to demonstrate that performance or emission standard does not meet the requirements of Section 112 of the Clean Air Act.

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

No person may permit the use of a device, stack height which exceeds good engineering practice stack height, dispersion technique or other technique which, without resulting in reduction of the total amount of air contaminants emitted, conceals or dilutes an emission of air contaminants which would otherwise be in violation of 25 Pa. Code Article III, except that with prior approval of the Department, the device or technique may be used for control of malodors.

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

- (a) The permittee shall comply with the applicable reporting requirements of the Clean Air Act, the regulations thereunder, the Air Pollution Control Act and 25 Pa. Code Article III including Chapters 127, 135 and 139.
- (b) The permittee shall submit reports to the Department containing information the Department may prescribe relative to the operation and maintenance of any air contamination source.
- (c) Reports, test data, monitoring data, notifications and requests for renewal of the permit shall be submitted to the:
- Regional Air Program Manager
PA Department of Environmental Protection
(At the address given in the permit transmittal letter, or otherwise notified)
- (d) Any records or information including applications, forms, or reports submitted pursuant to this permit condition shall contain a certification by a responsible official as to truth, accuracy and completeness. The certifications submitted under this permit shall require a responsible official of the facility to certify that based on information and belief formed after reasonable inquiry, the statements and information in the documents are true, accurate and complete.
- (e) Any records, reports or information submitted to the Department shall be available to the public except for such records, reports or information which meet the confidentiality requirements of § 4013.2 of the Air Pollution Control Act and §§ 112(d) and 114(c) of the Clean Air Act. The permittee may not request a claim of confidentiality for any emissions data generated for the facility.

**SECTION B. General State Only Requirements****#019 [25 Pa. Code §§ 127.441(c) & 135.5]****Sampling, Testing and Monitoring Procedures.**

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

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

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

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

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

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

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

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

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

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

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

#023 [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).

**SECTION B. General State Only Requirements****#024 [25 Pa. Code §135.3]****Reporting**

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

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

#025 [25 Pa. Code §135.4]**Report Format**

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

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

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

- (a) Construction or demolition of buildings or structures.
- (b) Grading, paving, and maintenance of roads and streets.
- (c) Use of roads and streets. Emissions from material in or on trucks, railroad cars, and other vehicular equipment are not considered as emissions from use of roads and streets.
- (d) Clearing of land.
- (e) Stockpiling of materials.
- (f) Open burning operations, as specified in 25 Pa. Code § 129.14 (and Condition # 007(a)–(g), Section C, of this permit).
- (g) Sources and classes of sources other than those indicated in (a)–(f), above, for which the operator has obtained a determination from the Department, in accordance with 25 Pa. Code § 123.1(b), that fugitive air contaminant emissions from the sources, after appropriate controls, meet the following requirements:
 - (1) The emissions are of minor significance with respect to causing air pollution.
 - (2) The emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

[Compliance with this streamlined permit condition assures compliance with 40 CFR § 60.672(b) and (e)(1).]

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

The permittee shall ensure that emission into the outdoor atmosphere of fugitive particulate matter (PM) from a source(s) specified in 25 Pa. Code § 123.1 (and Condition # 001(a)–(g), Section C, of this permit) occurs in such a manner that the emission is not visible at the point it passes outside the person's property.

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

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

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

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

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

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

The emission restrictions specified in 25 Pa. Code § 123.41 (and Condition # 004(a)–(b), Section C, of this permit) shall not apply to a visible air contaminant emission in either of the following instances:

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

**SECTION C. Site Level Requirements**

(b) When the emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.

(c) When the emission results from a source(s) specified in 25 Pa. Code § 123.1 (and Condition # 001(a)–(g), Section C, of this permit).

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

The permittee shall ensure that emission into the outdoor atmosphere of filterable PM from this facility occurs in such a manner that the rate of the emission is less than 100 tons/yr (as a 12-month rolling sum, calculated monthly).

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

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

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

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

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

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

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

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

(g) A fire set solely for cooking food.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

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

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

III. MONITORING REQUIREMENTS.**# 009 [25 Pa. Code §123.43]****Measuring techniques**

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

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

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

**SECTION C. Site Level Requirements****# 010 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

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

- (1) Odors, which may be objectionable (as per 25 Pa. Code § 123.31 and Condition # 003, Section C, of this permit).
- (2) Visible air contaminant emissions (as per 25 Pa. Code §§ 123.41 and 123.42 and Conditions # 004–005, Section C, of this permit).
- (3) Fugitive air contaminant emissions (as per 25 Pa. Code §§ 123.1 and 123.2 and Conditions # 001–002, Section C, of this permit).

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

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

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

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

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

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

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

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall maintain all records, reports, analysis results generated in compliance with the requirements of any section of this permit in accordance with Condition # 020(b), Section B, of this permit, and shall make them available to the Department upon written or verbal request within a reasonable time.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

(a) The permittee shall maintain records of all monitoring of odors, visible air contaminant emissions, and fugitive air contaminant emissions for this facility, including deviations from the conditions found in Conditions # 001–004, Section C, of this permit. All records of deviations shall include, at a minimum, the following for each incident:

**SECTION C. Site Level Requirements**

- (1) A description of the deviation.
- (2) The source(s) and/or associated air pollution control device(s) and location(s).
- (3) The duration (including the starting and ending date(s) and times).
- (4) The cause(s).
- (5) The corrective action(s) taken, if necessary to abate the situation and prevent future occurrences.
- (b) The monitoring shall be recorded and maintained in a Department-approved format and time frame.

014 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

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

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

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

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

V. REPORTING REQUIREMENTS.**# 016 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR § 60.7(b), and 25 Pa. Code Chapter 122 and § 127.443(b).]

- (a) The permittee shall report malfunctions, emergencies, or incidents of excess emissions to the Department's 24-hour Emergency Hotline at 800.541.2050. A malfunction is any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. An emergency is any situation arising from sudden and reasonably unforeseeable events beyond the control of the owner or operator of a facility, which requires immediate corrective action to restore normal operation and which causes the emission source to exceed emissions, due to unavoidable increases in emissions attributable to the situation. An emergency shall not include situations caused by improperly-designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.
- (b) When the malfunction, emergency, or incident of excess emissions poses an imminent danger to the public health, safety, welfare, or environment, it shall be reported to both the Department and the County Emergency Management Agency, by telephone, within 1 hour after the discovery of the malfunction, emergency, or incident of excess emissions. The owner or operator shall submit a written or emailed report of instances of such malfunctions, emergencies, or incidents of excess emissions to the Department within 3 business days of the telephone report.
- (c) The report shall describe the following:

**SECTION C. Site Level Requirements**

- (1) The name, permit or authorization number, and location of the facility.
 - (2) The nature and cause of the malfunction, emergency, or incident.
 - (3) The date and time when the malfunction, emergency, or incident was first observed.
 - (4) The expected duration of excess emissions.
 - (5) The estimated rate of emissions.
 - (6) The corrective actions or preventative measures taken.
- (d) Any malfunction, emergency, or incident of excess emissions that is not subject to the notice requirements specified in (b), above, shall be reported to the Department, by telephone, within 24 hours (or by 4:00 PM of the next business day, whichever is later) of discovery and in writing or by e-mail within 5 business days of discovery. The report shall contain the information listed in (c)(1)–(6), above, and any permit-specific malfunction reporting requirements.
- (e) During an emergency, an owner or operator may continue to operate the source at their discretion, provided they submit justification for continued operation of a source during the emergency and follow all the notification and reporting requirements, in accordance with (b)–(d), above, as applicable, including any permit-specific malfunction reporting requirements.
- (f) Reports regarding malfunctions, emergencies, or incidents of excess emissions shall be submitted to the Regional Office Air Program Manager.
- (g) Any emissions resulting from a malfunction or emergency are to be reported in the annual emissions inventory report, if the annual emissions inventory report is required by permit or authorization.

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

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

- (a) If required by Section 112(r) of the Clean Air Act, the permittee shall develop and implement an accidental release program consistent with all applicable provisions of the Clean Air Act, 40 CFR Part 68 (relating to chemical accident prevention provisions), and the Federal Chemical Safety Information, Site Security, and Fuels Regulatory Relief Act (P.L. 106-40).
- (b) The permittee shall prepare and implement a Risk Management Plan (RMP) that meets all applicable provisions of Section 112(r) of the Clean Air Act, 40 CFR Part 68, and the Federal Chemical Safety Information, Site Security, and Fuels Regulatory Relief Act when a regulated substance listed in 40 CFR § 68.130 is present in a process in more than the threshold quantity at this facility. The permittee shall submit the RMP to the United States Environmental Protection Agency (EPA) according to the following schedule and requirements:
- (1) The permittee shall submit the first RMP to a central point specified by EPA no later than the latest of the following:
 - (i) Three (3) years after the date on which a regulated substance is first listed in 40 CFR § 68.130.
 - (ii) The date on which a regulated substance is first present above a threshold quantity in a process.
 - (2) The permittee shall submit any additional relevant information requested by the Department or EPA concerning the RMP and shall make subsequent submissions of RMPs in accordance with 40 CFR § 68.190.
 - (3) The permittee shall certify that the RMP is accurate and complete in accordance with all applicable provisions of 40 CFR Part 68, including a checklist addressing the required elements of a complete RMP.
- (c) As used in this permit condition, the term "process" shall be as defined in 40 CFR § 68.3. The term "process" means



SECTION C. Site Level Requirements

any activity involving a regulated substance including any use, storage, manufacturing, handling, or on-site movement of such substances, or any combination of these activities. For purposes of this definition, any group of vessels that are interconnected, or separate vessels that are located such that a regulated substance could be involved in a potential release, shall be considered a single process.

(d) If this facility is subject to 40 CFR Part 68, as part of the certification required under this permit, the permittee shall perform the following:

(1) Submit a compliance schedule for satisfying all applicable provisions of 40 CFR Part 68 by the date specified in 40 CFR § 68.10(a).

(2) Certify that the facility is in compliance with all applicable provisions of 40 CFR Part 68 including the registration and submission of the RMP.

(e) If the facility is subject to 40 CFR Part 68, the permittee shall maintain records supporting the implementation of an accidental release program for 5 years in accordance with 40 CFR § 68.200.

(f) When the facility is subject to the accidental release program provisions of Section 112(r) of the Clean Air Act and 40 CFR Part 68, appropriate enforcement action will be taken by the Department if the permittee fails to register and submit the RMP or a revised plan pursuant to 40 CFR Part 68.

VI. WORK PRACTICE REQUIREMENTS.

018 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code §§ 123.1(c) and 127.443(b).]

The permittee shall take all reasonable actions to prevent PM from a source(s) specified in 25 Pa. Code § 123.1 (and Condition # 001(a)–(g), Section C, of this permit), from becoming airborne. These actions shall include, but not be limited to, the following:

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

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

(c) Paving and maintenance of roadways.

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

019 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 40 CFR § 60.11(d), and 25 Pa. Code Chapter 122 and §§ 127.443(b) and 127.444.]

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

020 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall immediately, upon discovery, implement measures, which may include the application for the installation of an air pollution control device(s), if necessary, to reduce the air contaminant emissions to within applicable

**SECTION C. Site Level Requirements**

restrictions, if at any time the operation of a source(s) listed in Sections A or H, of this permit, is causing the emission of air contaminants in excess of the restrictions specified in this permit or established pursuant to any applicable rule or regulation contained in 25 Pa. Code, Part I, Subpart C, Article III.

021 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee may not modify any air contaminant system identified in Sections A or H, of this permit, prior to obtaining Department approval, except those modifications authorized by Condition # 013(g), Section B, of this permit.

VII. ADDITIONAL REQUIREMENTS.

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

VIII. COMPLIANCE CERTIFICATION.

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

IX. COMPLIANCE SCHEDULE.

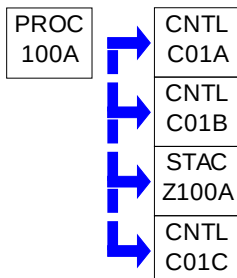
No compliance milestones exist.

**SECTION D. Source Level Requirements**

Source ID: 100A

Source Name: SALT TRANSPORT, HANDLING, & STORAGE OPERATIONS

Source Capacity/Throughput:

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 40 CFR §§ 60.8(a) and (b)(4), 60.675(b)(2), (c)(1)(i)–(ii) and (3), (d)(1), and (e)(2), and 60.676(f); and 25 Pa. Code Chapters 122 and 139.]

(a) Within 180 after the issuance date of this permit, the permittee shall perform a fugitive PM emissions test for this salt transport, handling, and storage operations source grouping, as follows:

(1) In accordance with the provisions of 25 Pa. Code Chapter 139.

(2) At each building¹ opening of the associated bulk salt storage structure (Source ID C01C) to demonstrate compliance with Condition # 001, Section C, of this permit.

(2) Using EPA Method 9 to determine the opacity of the fugitive PM emissions, with the following modifications and additions:

(i) A single observer may conduct concurrent observations for up to three building openings (fugitive emission¹ points), except that if PM emissions are observed for any emission point, then the observer must stop taking readings for the other points and continue taking readings for only that point.

(ii) The observer shall select a position for conducting observations, in accordance with the following:

(A) The minimum distance between the observer and each emission point observed shall be 15 feet.

(B) All emission points must be within a 70° viewing sector in front of the observer such that the proper sun position can be maintained for all points.

(C) Interference from other sources of fugitive PM emissions (e.g., road dust) should be minimized (to the extent possible).

(iii) The duration of the observations shall be 30 minutes (five 6-minute averages) for each building opening.

(4) While bulk salt is being actively unloaded and/or loaded within the bulk salt storage structure in the vicinity of the respective building openings, as practicable.

¹ As the term is defined in 40 CFR § 60.671.

**SECTION D. Source Level Requirements**

(b) At least 90 days prior to the test, the permittee shall submit, to the Department for approval, the procedures for the test, including the following. A test protocol shall be approved by the Department prior to the test:

- (1) A sketch of the bulk salt storage structure that indicates the locations of all building openings (enumerated).
- (2) A listing of each building opening (enumerated) that specifies its respective dimensions.
- (3) Photographs of each building opening (enumerated).

(c) At least 30 days prior to the test, the permittee shall inform the Regional Air Quality Program Manager of the date and time of the test.

(d) Within 60 days after the test, the permittee shall submit, to the Regional Air Quality Manager for approval, two copies of the complete test report, including all operating conditions.

(e) The permittee may request an extension of time for any deadlines indicated in (a)–(d), above, with which it is unable to comply. The request must be in writing and include a justification for the extension. The Department may grant the extension for reasonable cause.

[Compliance with this streamlined permit condition assures compliance with 40 CFR §§ 60.672(e)(1) and 60.675(g).]

III. MONITORING REQUIREMENTS.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall calculate the total PM emissions from this salt transport, handling, and storage operations source grouping on a monthly and 12-month rolling basis, using a Department-approved method(s).

IV. RECORDKEEPING REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain records of the total PM emissions from this salt transport, handling, and storage operations source grouping on a monthly and 12-month rolling basis, calculated using a Department-approved method(s).

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This source grouping consists of all salt transport, handling, and storage operations at the facility, as follows:

(a) On-site salt transport and handling, as follows:

- (1) From off site to a bulk salt storage structure (Source ID C01C).
- (2) From the bulk salt storage structure to a bulk salt truck unloading station (with receiving bin) [Condition # 007(a)(1),

**SECTION D. Source Level Requirements**

Section D (under Source ID 101A), of this permit].

- (3) From the bulk salt truck unloading station to bulk salt storage areas [(b), below].
- (4) From the bulk salt storage areas to various equipment of the salt processing and packaging operations (Source ID 101A) (including a fluid bed dryer (Source ID 103)).
- (5) From the various equipment of the salt processing and packaging operations (including the fluid bed dryer) to the following:
 - (i) Finished product storage areas [of (c)(1)–(3), below].
 - (ii) A bulk salt truck loading station (with enclosed conveying system and chute) [Condition # 007(a)(7), Section D (under Source ID 101A), of the permit].
- (6) From the finished product storage areas to off site.
- (7) From the bulk salt truck loading station to off site.
- (b) Bulk salt storage areas, all of which are located within the Process Building (Source ID C01A).
- (c) Finished product storage areas, which are located as follows:
 - (1) Within the Process Building.
 - (2) Within 11 Solar Warehouse (Source ID C01B).
 - (3) Outdoors.

**SECTION D. Source Level Requirements**

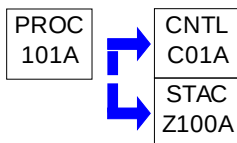
Source ID: 101A

Source Name: SALT PROCESSING & PACKAGING OPERATIONS

Source Capacity/Throughput:

25.000 Tons/HR

SALT/SOLAR SALT

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.**# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR §§ 60.8(a), 60.675(b)(2), (c)(1)(i)–(ii) and (3), (d)(1), and (e)(2), and 60.676(f); and 25 Pa. Code Chapters 122 and 139.]

(a) Within 180 after the issuance date of this permit, the permittee shall perform a fugitive PM emissions test for this salt processing and packaging operations source grouping, as follows:

(1) In accordance with the provisions of 25 Pa. Code Chapter 139.

(2) At each building² opening of the associated Process Building (Source ID C01A), as follows, to demonstrate compliance with Condition # 001, Section C, of this permit:

(i) Each garage or personnel door while maintained fully open (even if typically maintained closed during normal operations). [Note: All garage and personnel doors shall be maintained fully open for the duration of the test, not only while actively conducting observations for a given door.]

(ii) Each gap or hole in the exterior wall panels.

(iii) Building openings located in the finished product storage area may be excluded from the test.

(3) Using EPA Method 9 to determine the opacity of the fugitive PM emissions, with the following modifications and additions:

(i) A single observer may conduct concurrent observations for up to three building openings (fugitive emission² points), except that if PM emissions are observed for any emission point, then the observer must stop taking readings for the other points and continue taking readings for only that point.

(ii) The observer shall select a position for conducting observations, in accordance with the following:

(A) The minimum distance between the observer and each emission point observed shall be 15 feet.

(B) All emission points must be within a 70° viewing sector in front of the observer such that the proper sun position can be maintained for all points.

(C) Interference from other sources of fugitive PM emissions (e.g., road dust) should be minimized (to the extent possible).

² As the term is defined in 40 CFR § 60.671.

**SECTION D. Source Level Requirements**

(iii) The duration of the observations shall be 30 minutes (five 6-minute averages) for each building opening.

(4) While the salt processing and packaging operations, fluid bed dryer (Source ID 103), and salt pellet processing system (Sub-section (c)(1), Section H, of this permit) are operating at their normal operating capacities (tons per hour [tons/hr]), such that the test results are representative of maximum routine operating conditions.

(b) At least 90 days prior to the test, the permittee shall submit, to the Department for approval, the procedures for the test, including the following. A test protocol shall be approved by the Department prior to the test:

(1) A listing of the normal and maximum operating capacities (tons/hr) for the salt processing and packaging operations, fluid bed dryer, and salt pellet processing system.

(2) A sketch of the Process Building that indicates the locations of all building openings (enumerated).

(3) A listing of each building opening (enumerated) that specifies its respective dimensions.

(4) Photographs of each building opening (enumerated).

(c) At least 30 days prior to the test, the permittee shall inform the Regional Air Quality Program Manager of the date and time of the test.

(d) Within 60 days after the test, the permittee shall submit, to the Regional Air Quality Manager for approval, two copies of the complete test report, including all operating conditions.

(e) The permittee may request an extension of time for any deadlines indicated in (a)–(d), above, with which it is unable to comply. The request must be in writing and include a justification for the extension. The Department may grant the extension for reasonable cause.

[Compliance with this streamlined permit condition assures compliance with 40 CFR §§ 60.672(e)(1) and 60.675(g).]

III. MONITORING REQUIREMENTS.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall monitor the hours of operation for this salt processing and packaging operations source grouping on an operating day basis.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall calculate the total PM emissions from this salt processing and packaging operations source grouping on a monthly and 12-month rolling basis, using a Department-approved method(s).

IV. RECORDKEEPING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall maintain records of the hours of operation for this salt processing and packaging operations source grouping on an operating day basis.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain records of the total PM emissions from this salt processing and packaging operations source grouping on a monthly and 12-month rolling basis, calculated using a Department-approved method(s).

**SECTION D. Source Level Requirements****V. REPORTING REQUIREMENTS.****# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR § 60.676(a)(1)–(3), and 25 Pa. Code Chapter 122 and § 127.443(b).]

The permittee shall submit the following information, where applicable, for any affected equipment or operation of this salt processing and packaging operations source grouping that is replaced, as well as for the associated replacement equipment or operation.

- (a) The widths of any belt conveyors.³
- (b) The rated capacities (tons/hr) of any crusher,³ bucket elevator,³ bagging operation,³ or enclosed truck loading station.³
- (c) The total surface areas of the top screens of any screening operation.³

³ As defined in 40 CFR § 60.671.

VI. WORK PRACTICE REQUIREMENTS.

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

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

(a) This source grouping consists of all equipment and operations of the main (i.e., non-pellet) salt processing and packaging operations at the facility, as follows:

- (1) A bulk salt truck unloading station (with receiving bin).
- (2) The following types of conveyors:
 - (i) Screw conveyors.
 - (ii) Belt conveyors.
- (3) Bucket elevators.
- (4) Two screening operations, as follows:
 - (i) A scalping screen.
 - (ii) A (product) screener, model type / no. APEX / A7D55-4S, manufactured by ROTEX Global, LLC. The screener is rated at 45 tons/hr salt/solar salt.
- (5) A double roll crusher, model no. DRC1-950-9.50.20SH, manufactured by WesLor Enterprises, Inc. The roll crusher is rated at 8–12 tons/hr salt/solar salt.
- (6) Weighing and bagging operations.
- (7) A bulk salt truck loading station (with enclosed conveying system⁴ and chute).

⁴ As defined in 40 CFR § 60.671.

**SECTION D. Source Level Requirements**

(b) All equipment and operations of the salt processing and packaging operations source grouping are located within the Process Building (Source ID C01A) except the following, which are located outdoors:

(1) (a)(1), above.

(2) (a)(7), above.

(c) PM emissions from (a)(6), above, are routed to two pulse jet dust collectors, model no. 110FM10, manufactured by Seneca Environmental Products, Inc., before exhausting within the Process Building (i.e., into the indoor atmosphere). Each dust collector is rated at 8,000 acfm and uses 100 polyester fabric filter bags.

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

[Additional authority for this permit condition is derived from 40 CFR § 60.676(k) and 25 Pa. Code Chapter 122.]

The equipment and operations of this salt processing and packaging operations source grouping indicated in Condition # 007(a)(3)–(8), Section D (under Source ID 101A), of this permit, are subject to, and shall comply with all applicable provisions of, 40 CFR Part 60, Subpart OOO. In accordance with 40 CFR § 60.4, copies of all requests, reports, applications, submittals, and other communications are required to be submitted to both EPA and the Department. These shall be submitted in accordance with Condition # 018, Section B, of this permit, with the EPA copies forwarded to:

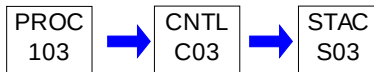
Enforcement & Compliance Assurance Division
Air, RCRA, and Toxics Branch (3ED21)
U.S. EPA, Region III
Four Penn Center
1600 John F. Kennedy Boulevard
Philadelphia, Pennsylvania 19103-2852

**SECTION D. Source Level Requirements**

Source ID: 103

Source Name: FLUID BED DRYER

Source Capacity/Throughput:	14.000	MMBTU/HR	
	44.100	Tons/HR	SOLAR SALT
	13.362	MCF/HR	Natural Gas

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code §§ 127.1 and 127.443(b).]

The permittee shall ensure that emission into the outdoor atmosphere of PM from this fluid bed dryer occurs in such a manner that the concentration of PM in the exhaust gas, as measured at the stack (Source ID S03) of the associated high-efficiency multi-cyclone (Source ID C03) using EPA Method 5, does not exceed 0.009 gr/dscf.

[Compliance with this streamlined permit condition assures compliance with 25 Pa. Code § 123.13(c)(1)(i).]

Fuel Restriction(s).

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall ensure that natural gas is the only fuel consumed by this fluid bed dryer.

Control Device Efficiency Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall ensure that all PM emissions from this fluid bed dryer are routed to the associated high-efficiency multi-cyclone (Source ID C03) before exhausting into the outdoor atmosphere.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall monitor the following operating parameters for this fluid bed dryer on a monthly basis:

- (a) The hours of operation.
- (b) The amount of solar salt processed.

**SECTION D. Source Level Requirements**

(c) The amount of natural gas consumed.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall calculate the total PM emissions from this fluid bed dryer on a monthly and 12-month rolling basis, using a Department-approved method(s).

IV. RECORDKEEPING REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall maintain records of the following operating parameters for this fluid bed dryer on a monthly basis:

- (a) The hours of operation.
- (b) The amount of solar salt processed.
- (c) The amount of natural gas consumed.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall maintain records of all maintenance (i.e., routine and/or preventative maintenance, repairs, parts replacement, adjustments, etc.) performed for this fluid bed dryer. These records shall include, at a minimum, the following:

- (a) The date and time of the maintenance.
- (b) The type of maintenance performed.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall maintain records of the total PM emissions from this fluid bed dryer on a monthly and 12-month rolling basis, calculated using a Department-approved method(s).

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) This source consists of a two-zone (i.e., drying and cooling) vibrating fluid bed dryer, model type VDC 1200 × 7000

**SECTION D. Source Level Requirements**

(Vibrated Drier/Cooler), manufactured by Titan US LLC. The fluid bed dryer is rated at 44.1 tons/hr solar salt. The drying zone is equipped with a natural gas-fired burner, model series / no. LV AIRFLO / LV-3G, manufactured by Maxon Corp. The burner is rated at 14.00 mmBtu/hr heat input.

(b) Gas flow from the fluid bed dryer is routed to a high-efficiency multi-cyclone (Source ID C03), model type CB 350/100x 42 (Cyclone Battery), manufactured by Titan US LLC, before exhausting into the outdoor atmosphere. The multi-cyclone is comprised of 42 double cyclones.



SECTION E. Source Group Restrictions.

**SECTION F. Alternative Operation Requirements.**

No Alternative Operations exist for this State Only facility.

**SECTION G. Emission Restriction Summary.**

Source Id	Source Description		
103	FLUID BED DRYER		
Emission Limit		Pollutant	
0.009	gr/DRY FT3	Filterable; At the Stack of the Associated High-Efficiency Multi-Cyclone	TSP

Site Emission Restriction Summary

Emission Limit		Pollutant
100.000	Tons/Yr	Filterable; Less Than; 12-Month Rolling Sum, Calculated Monthly
		TSP

**SECTION H. Miscellaneous.**

(a) The following documents serve as the basis for certain terms and conditions set forth in this permit:

- (1) Plan Approval No. 09-0223.
- (2) RFD No. 8603.
- (3) RFD No. 10887.

(b) The source descriptions indicated in Section D, of this permit, as follows, are used for descriptive purposes only and are not considered enforceable conditions by the Department:

- (1) Condition # 001, Section D (under Source ID 100A), of this permit.
- (2) Condition # 007, Section D (under Source ID 101A), of this permit.
- (3) Condition # 010, Section D (under Source ID 103), of this permit.

(c) Pursuant to Condition # 010(c), Section C, of this permit, on July 6, 2021, the Department approved the permittee's request to reduce the frequency of monitoring the facility for objectionable odors, visible air contaminant emissions, and fugitive air contaminant emissions to weekly. The Department reserves the right to change this frequency of monitoring pursuant to Condition # 010(e), Section C, of this permit.

(d) The following sources have been determined by the Department to be insignificant sources of air emissions and, therefore, do not require additional restrictions, monitoring, or recordkeeping. They are still subject to any applicable federal, state, and local regulations, including those indicated in Section C, of this permit:

(1) A salt pellet processing system comprised of the following operations and equipment:

- (i) Hoppers.
- (ii) The following types of conveyors:
 - (A) Screw conveyors.
 - (B) A drag chain conveyor.
 - (C) A belt conveyor.
- (iii) Three screeners, as follows:
 - (A) A scalping screen.
 - (B) A grizzly.
 - (C) A single-stage (product) screener.
- (iv) Two roll crushers.
- (v) Several tanks.
- (vi) Two rotary feeders.
- (vii) A natural gas-fired hot oil system, which is rated at 0.800 mmBtu/hr heat input.
- (viii) A pellet press, which is rated at 12 tons/hr.
- (ix) Bagging operations.

(2) A pulse jet baghouse, model no. BP-144-11, manufactured by BACT Process Systems, Inc., associated with (d)(1), above.

**SECTION H. Miscellaneous.**

The baghouse is rated at 12,000 acfm, uses 144 polyester fabric filter bags, and exhausts within the Process Building (Source ID C01A) (i.e., into the indoor atmosphere).

(3) Five natural gas-fired infrared space heaters, model no. 3E462, manufactured by Dayton Electric Mfg. Co. Each space heater is rated at 0.090 mmBtu/hr heat input (0.450 mmBtu/hr heat input total).

(4) An electrically-powered hot water heater, model type / no. PERFORMANCE / XE40M06ST45U1, manufactured by Rheem Mfg. Co.

(5) Propane-fired forklifts.

(6) A propane-fired sweeper.

(e) This permit (APS ID 988545, Auth ID 1529195) is a renewal of State Only Operating Permit No. 09-00223, which was originally issued on January 28, 2021 (APS ID 988545, Auth ID 1265196). The following is a listing of the changes reflected in this permit:

(1) The responsible official and permit contact person, as indicated on the cover page of the original permit (same location in this permit), has been changed to Dax Colby, Regional General Manager, 215.543.6419.

(2) The source names for the following source groupings and emission point grouping in Sections A, D, and G, of the original permit (same sections in this permit), has been changed ([deleted from source name], <added to source name>):

Source ID	Source Name
100A	Salt Transport, Handling, & Storage [Areas] <Operations>
101A	Salt Processing & Packaging Operation<s>
Z100A	Salt Transport, Handling, & Storage [Areas] <Operations> Fugitive Emissions

(3) The following control device, along with a corresponding permit map and conditions, have been added to Sections A and D (under Source ID 100A), of this permit, where applicable:

Source ID	Source Name
C01C	Bulk Salt Storage Structure

(4) The title at the beginning of Condition # 004, Section B, of the original permit (same condition number in this permit), has been corrected to "Operating Permit Fees under Subchapter F."

(5) Condition # 001, Section C, of the original permit, has been moved to Condition # 023, Section B, of this permit.

(6) The exceptions for emission into the outdoor atmosphere of fugitive air contaminants from blasting in open pit mines and coke oven batteries indicated in Condition # 002(g)–(h), Section C, of the original permit, respectively, have been removed.

(7) The Department telephone number at which to report malfunctions, emergencies, or incidents of excess emissions, as indicated in Condition # 017, Section C, of the original permit (Condition # 016, Section C, of this permit), has been changed to 800.541.2050 (the Department's 24-hour Emergency Hotline).

(8) A requirement to perform a fugitive PM emissions test for the bulk salt storage structure associated with the salt transport, handling, and storage source grouping has been added as Condition # 001, Section D (under Source ID 100A), of this permit.

(9) Requirements to calculate and maintain records of the total PM emissions from the salt transport, handling, and storage source grouping have been added as Condition #s 002–003, Section D (under Source ID 100A), of this permit, respectively.

(10) The source description for the salt transport, handling, and storage source grouping, as indicated in Condition # 001, Section D (under Source ID 100A), of the original permit (Condition # 004, Section D (under Source ID 100A), of this permit), has been updated to include the bulk salt storage structure.

(11) Condition #s 001 and 003, Section D (under Source ID 101A), of the original permit, have been removed.

**SECTION H. Miscellaneous.**

(12) The following for Condition # 002, Section D (under Source ID 101A), of the original permit (Condition # 001, Section D (under Source ID 101A), of this permit):

(i) The additional authority citation to 40 CFR § 60.8(b)(4), as indicated at the beginning of the condition, has been removed.

(ii) The following for Sub-condition (a):

(A) The date/timeframe by which to perform source testing has been changed to "[w]ithin 180 after the issuance date of this permit."

(B) The requirement to perform a visible PM emissions test at each wall vent of the Process Building associated with the salt processing and packaging operations has been removed.

(C) The requirement to perform a fugitive PM emissions test has been extended to each building opening of the associated Process Building, including those typically maintained closed during normal operations and gaps or holes in the exterior wall panels.

(iii) The following for Sub-condition (b):

(A) The following for Sub-condition (b)(1):

(I) It has been reorganized as Sub-condition (b)(2).

(II) The reference to wall vents has been removed.

(B) The following for Sub-condition (b)(2):

(I) It has been reorganized as Sub-condition (b)(3).

(II) The reference to wall vents has been removed.

(III) The language has been changed to no longer permit not observing a building opening for fugitive PM emissions.

(IV) A requirement to specify the dimensions of each building opening has been added.

(C) The following for Sub-condition (b)(3):

(I) It has been reorganized as Sub-condition (b)(1).

(II) The requirement to list the normal and rated flow rates (cfm) for the power fans of the wall vents has been removed.

(D) A requirement to provide photographs of each building opening has been added as Sub-condition (b)(4).

(iv) The phrase "and satisfies the requirements for a waiver of the provisions of 40 CFR § 60.672(e)(2)" has been removed from the streamlining language at the end of the condition.

(13) Requirements to calculate and maintain records of the total PM emissions from the salt processing and packaging operations source grouping have been added as Condition #s 003 and 005, Section D (under Source ID 101A), of this permit, respectively.

(14) The source description for the salt processing and packaging operations source grouping, as indicated in Condition # 007, Section D (under Source ID 101A), of the original permit (same condition number of this permit), has been updated to include the current (double roll) crusher.

(15) Condition #s 004 and 008–009, Section D (under Source ID 103), of the original permit, have been removed.

(16) Requirements to calculate and maintain records of the total PM emissions from the fluid bed dryer have been added as Condition #s 005 and 008, Section D (under Source ID 103), of this permit, respectively.



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