FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
CENTRAL DISTRICT
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ORLANDO, FLORIDA 32803

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Electronically Sent- Received Receipt Requested
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FINAL PERMIT

PERMITTEE

Morton Salt, Inc., Port Canaveral Facility
450 Cargo Road
Port Canaveral, FL 32920

Authorized Representative:
Mr. Michael Markley, Facility Manager

Air Permit No. 0090095-015-AC
Permit Effective: 10/02//2014
Permit Expires: 12/30/2017
Site Name: Port Canaveral facility
Minor Source Air Construction Permit
Project Name: Install new sea salt production line

This is the Final air construction permit, which authorizes modification of two emission units, and construction and installation of a new food grade Sea Salt production and packaging line at the facility. The proposed work will be conducted at the Morton Salt, Inc. Port Canaveral Facility (Standard Industrial Classification No. 0051). The facility is located in Brevard County at 450 Cargo Road in Port Canaveral, Florida. The UTM coordinates are Zone 17, 537.87 km East, and 3143.17 km North.

This final permit is organized by the following sections:

Section 1. General Information

Section 2. Administrative Requirements

Section 3. Facility-wide and Emissions Unit Specific Conditions

Section 4. Appendices

Because of the technical nature of the project, the permit contains numerous acronyms and abbreviations, which are defined in Appendix A of Section 4 of this permit.

This air pollution permit is issued under the provisions of: Chapter 403 of the Florida Statutes (F.S.) and Chapters 62-4, 62-204, 62-210, 62-212, 62-296 and 62-297 of the Florida Administrative Code (F.A.C.). The permittee is authorized to conduct the proposed work in accordance with the conditions of this permit. This project is subject to the general preconstruction review requirements in Rule 62-212.300, F.A.C. and is not subject to the preconstruction review requirements for major stationary sources in Rule 62-212.400, F.A.C. for the Prevention of Significant Deterioration (PSD) of Air Quality.

Upon issuance of the final permit, any party to this order has the right to seek judicial review of it under Section 120.68 of the Florida Statutes by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the clerk of the Department of Environmental

Protection in the Office of General Counsel (Mail Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida, 32399-3000) and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The notice must be filed within 30 days after this order is filed with the clerk of the Department.

Executed in Orange County, Florida

F. Thomas Lubozynski, P.E. October 2, 2014
Waste & Air Resource Programs Administrator

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Final Air Permit package (including the Final Permit and the Appendices) was sent by electronic mail (or a link to these documents made available electronically on a publicly accessible server) with received receipt requested before the close of business on October 2, 2014 to the persons listed below.

Mr. Michael Markley, Facility Manager, Morton Salt, Port Canaveral: mmarkley@mortonsalt.com
Mr. Robert Berish, Environmental Health and Safety/Quality Control Manager: rberish@mortonsalt.com
Mr. Roger T. Caldwell, Bottorf Associates, Inc., roger@bottorf.com
Mr. Alan Zahm. P.E., Bottorf Associates, Inc. alanzahm@embarqmail.com

Clerk Stamp

FILED, on this date, pursuant to Section 120.52, Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

October 02, 2014
(Clerk) (Date)

FACILITY AND PROJECT DESCRIPTION

Existing Facility

The existing facility consists of the following emissions units.

Facility ID No. 0090095	
ID No.	Emission Unit Description
001	Salt Dryer (60 ton/hr. Rotary Kiln Dryer equipped with a wet scrubber)
002	Pellet Production Line
003	Solar Salt Production Line

Project Description and Affected/Proposed Emission Units

This project will modify emission units EU 002 and EU 003, and create the following emissions units (EU 004 and EU 005) for the production and packaging of the food grade sea salt.

Facility ID No. 0090095	
ID No.	Emission Unit Description
002	Pellet Production Line – this project will modify this emission unit to add a new, 150-ton capacity feed stock storage tank and associated conveying equipment for the new sea salt production line. Particulate emissions will be controlled by the existing baghouse.
003	Solar Salt Production Line - this project will modify this emission unit to replace the existing salt screener with a new 70-ton per hour screener, and add one additional packaging line. Particulate emissions will be controlled by the existing baghouse.
004	Sea Salt Production Line - this project will add a new food grade sea salt process line which will consist of a 25-ton per hour vibrating fluid bed dryer, a 25-ton per hour dry crusher, 3 new triple deck vibrating screeners, and associated conveying equipment and storage tanks. Particulate emissions will be controlled by a new cyclone followed by a venturi wet scrubber.
005	Sea Salt Packaging Line - this project will add a new food grade sea salt packaging line with a capacity of 50-tons per hour. The packaging line will consist of two hoppers, two scales, two bag filling machines and seven storage tanks. Particulate emissions will be controlled by a new baghouse.

NOTE: *Please reference the Permit No., Facility ID, and Emission Unit ID in all correspondence, test report submittals, applications, etc.*

FACILITY REGULATORY CLASSIFICATION

- The facility is not a major source of hazardous air pollutants (HAP).
- The facility has no units subject to the acid rain provisions of the Clean Air Act (CAA).
- The facility is not a Title V major source of air pollution in accordance with Chapter 213, F.A.C.
- The facility is not a major stationary source in accordance with Rule 62-212.400, Prevention of Significant Deterioration, F.A.C.

- This facility is a synthetic non-Title V source for particulate matter (PM) because they use air pollution control equipment (i.e., baghouse and wet scrubber PM emission control devices). The use of in process control equipment ensures the facility's PM emissions are less than the threshold limits required for the facility to be considered a major source per Chapter 62-213, F.A.C. However, the facility is required to submit an Annual Operating Report because their potential to emit PM is 57.12 tons per year.
- The facility is subject to 40 CFR 60, Subparts A and OOO.

PERMIT HISTORY/AFFECTED PERMITS

The facility has a Construction Permit 0090095-009-AC, which was issued September 29, 2010, to replace the dryer in EU 001 and the baghouse in EU 003. This permit has a current expiration date of August 15, 2015. In addition, the facility has a Construction Permit 0090095-0011-012-AC, which was issued December 12, 2012 to add an additional conveyor belt to EU 003. This permit has a current expiration date of August 15, 2015.

SECTION 2. ADMINISTRATIVE REQUIREMENTS (FINAL)

1. Permitting Authority: The permitting authority for this project is the Florida Department of Environmental Protection, Central District Waste & Air Resource Programs. The Central District's mailing address and phone number is:

   Florida Department of Environmental Protection
   Central District Office
   3319 Maguire Blvd., Ste. 232
   Orlando, FL 32803-3767
   Telephone: 407-897-4100

   All documents related to applications for permits shall be submitted to the above address or electronically to the following address: DEP_CD@dep.state.fl.us . In any electronic submittal clearly identify the Air Permit No. 0090095-015-AC

2. Compliance Authority: The compliance authority for this project is the Florida Department of Environmental Protection, Central District Compliance Assurance Program. All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the Central District Compliance Assurance Program (Use the above mailing or e-mail address)

3. Appendices: The following Appendices are attached as part of this permit:
   a. Appendix A. Citation Formats and Glossary of Common Terms;
   b. Appendix B. General Conditions;
   c. Appendix C. Common Conditions; and
   d. Appendix D. Common Testing Requirements.
   e. Appendix E. 40 CFR Part 60, Subpart A – General Provisions
   f. Appendix F. 40 CFR Part 60, Subpart OOO – Standards of Performance for Nonmetallic Mineral Processing Plants

4. Applicable Regulations, Forms, and Application Procedures: Unless otherwise specified in this permit, the construction of the subject emissions units shall be in accordance with the capacities and specifications stated in the application. The facility is subject to all applicable provisions of: Chapter 403, F.S.; and Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296 and 62-297, F.A.C. Issuance of this permit does not relieve the permittee from compliance with any applicable federal, state, or local permitting or regulations.

5. New or Additional Conditions: For good cause shown and after notice and an administrative hearing, if requested, the Department may require the permittee to conform to new or additional conditions. The Department shall allow the permittee a reasonable time to conform to the new or additional conditions, and on application of the permittee, the Department may grant additional time.
   [Rule 62-4.080, F.A.C.]

6. Modifications: Unless otherwise exempt by rule, the permittee shall not initiate any construction, reconstruction, or modification at the facility and shall not install/modify any pollution control device at the facility without obtaining prior authorization from the Department. Modification is defined as: Any physical change or changes in the method of operations or addition to a facility

that would result in an increase in the actual emissions of any air pollutant subject to air regulations, including any not previously emitted, from any emission unit or facility. [Rules 62-210.200 - Definition of "Modification" and 62-210.300(1)(a), F.A.C.]

7. Annual Operating Report: On or before **April 1** of each year, the permittee shall submit a completed DEP Form 62-210.900(5), "Annual Operating Report for Air Pollutant Emitting Facility," (AOR) for the preceding calendar year. The report must be submitted electronically in accordance with the instructions received with the AOR package sent by the Department. [Rule 62-210.370(3), F.A.C.]

8. Application for Non-Title V Air Operation Permit: This permit authorizes construction or modification of the permitted emissions units and initial operation to determine compliance with Department rules. A Non-Title V air operation permit is required for continued operation of the permitted emissions units. The permittee shall apply for a Non-Title V air operation permit at least 90 days prior to expiration of this permit (that is 10/30/2017), but no later than 180 days after commencing operation or commencing operation as modified. Commencing operation means setting into operation of any emissions unit for any purpose. To apply for a Non-Title V air operation permit, the applicant shall submit the following:

   a. the appropriate permit application form *(see current version of Rule 62-210.900, F.A.C. (Forms and Instructions), and/or FDEP Division of Air Resource Management website at: http://www.dep.state.fl.us/air/)*;

   b. the appropriate operation permit application fee from Rule 62-4.050(4)(a), F.A.C.;

   c. copies of the most recent compliance test reports required by Specific Condition Nos. **A.6, A.7, B.6**, and **B.7**, if not previously submitted; and,

   d. copies of the most recent two months of records/logs specified in Specific Condition Nos. **A.16** and **B.19**.

   [Rules 62-4.030, 62-4.050, 62-4.070(3), 62-4.090, 62-210.300(2), and 62-210.900, F.A.C.]

A. EU 002 – Pellet Production Line, EU 003 – Solar Salt Production Line

This section of the permit addresses modifications to the following existing emissions units.

ID No.	Emission Unit Description
002	Pellet Production Line. The existing pellet production line is a 20-ton per hour water conditioner salt production line, consisting of material handling, crushing, pelletizing, conveying, and bagging equipment. This project will modify this emission unit to add the following material handling equipment for the new sea salt production line (EUs 004 and 005): One feedstock accumulation tank - 150 Ton capacity Screw conveyor feed transfer to surge tank One, Feed Stock Surge tank - 5-ton capacity Screw conveyor, surge tank to magnetic metal detector Screw conveyor, metal detector to optical sorter Screw conveyor, optical sorter to scrap drop pipe Screw conveyor, optical sorter to distribution bin Screw conveyor, discharge feed stock bin elevator to washer centrifuge Particulate matter will be controlled by the existing Dustex model 3439-7-14 Baghouse, consisting of 98 bags, 1,385 square feet of cloth area, an air to cloth ration of 8.66 to 1, and a control efficiency of 99.8%.
003	Solar Salt Production Line. The existing solar salt production line is a 60-ton per hour water conditioner salt production line, consisting of material handling, crushing, pelletizing, conveying, and bagging equipment. This project will modify this emission unit to add and update the following equipment for this production line: One (1) four-deck vibrating screen, designated as VS-1. This unit will include a 60 square foot screen surface area and a capacity of 70 TPH Water conditioning system for the solar salt packaging line No 2 Screw Conveyor – designated as No. 11 Elevator, designated as No. 5 Screw conveyor, designated as No. 12 Screw Conveyor, designated as No. 13 Vibrating Screen, designated as No. 6 Bagging Hopper, designated as No. 6 Bagging Scale, designated as No. 3 Particulate matter will be controlled by the existing Dustex model 3430-9-10 Baghouse, consisting of 90 bags, 1,414 square feet of cloth area, an air to cloth ration of 7.92 to 1, and a control efficiency of 99.8%.

PERFORMANCE RESTRICTIONS

A.1. Federal Regulatory Requirements: These emission units are subject to 40 CFR 60, Subpart OOO – Standards of Performance for Nonmetallic Mineral Processing Plants, which is adopted by reference in Rule 62-204.800, F.A.C.
[Rule 62-204.800(68), F.A.C.]

A. EU 002 – Pellet Production Line, EU 003 – Solar Salt Production Line

A.2. Permitted Capacities:

a. The process rate for EU- 002 - Pellet Production line shall not exceed 175,200 tons per any consecutive 12-month period.

b. The process rate for EU- 003 - Solar Salt Production line shall not exceed 525,600 tons per any consecutive 12-month period.

[Construction Permits 0090095-009-AC, 0090095-012-AC, and Rule 62-210. 200(247), "Potential to Emit," F.A.C.]

A.3. Restricted Operation: The hours of operation are not limited (8,760 hours per year).
[Rules 62-4.070(3) and 62-210. 200(247), "Potential to Emit," F.A.C.]

EMISSIONS STANDARDS

A.4. Particulate Emissions Standard: Particulate Emissions from each of the baghouses shall not exceed 0.014 grains per dry standard cubic foot (gr/dscf)
[Permit Application received 08/05/2014 and 40 CFR 60, Subpart OOO, §60.672, Table 2]

A.5. Visible Emissions Standard: Visible Emissions from fugitive emissions from the building openings of each emission unit shall not exceed 7% opacity.
[Permit Application dated 08/05/2014; and 40 CFR 60, Subpart OOO, §60.672(e)(1), Table 3]]

TESTING REQUIREMENTS

A.6 Initial Compliance Tests: The baghouse for each emission unit must be tested for particulate emissions in accordance with EPA Method 5 (3 runs) or EPA Method 17 (3 runs). For EU 002, the testing shall be conducted with the new sea salt conveying equipment in operation. For EU 003, the testing shall be conducted with the new solar salt conveying equipment in operation.

a. The emissions testing shall be conducted within 60 days of achieving permitted capacity, but no later than 135 days after initial startup of the new sea salt conveying equipment.

{Permitting Note: 40 CFR 60.8(a) states that the performance test and written report must be submitted within 180-days of startup.
Refer to Administrative Condition 8 which requires the performance test report to be submitted as part of an air operation permit application that is due no later than 180-days after commencing operation of the emission unit.}

b. Each EPA Method 5 run or EPA Method 17 run shall last at least 60 minutes. The sample volume shall be at least 1.70 dscm (60 dscf). For Method 5 (40 CFR part 60, Appendix A-3), if the gas stream being sampled is at ambient temperature, the sampling probe and filter may be operated without heaters. If the gas stream is above ambient temperature, the sampling probe and filter may be operated at a temperature high enough, but no higher than 121 °C (250 °F), to prevent water condensation on the filter.

c. The EPA Method 9 test shall last at 1 hour (ten 6-minute averages) and must be done concurrently with the three particulate test runs.

[Permit Application received 08/05/2014, Rules 62-4.070(3) and 62-297.310(7)(a), F.A.C. and 40 CFR Part 60 Subpart OOO, §60.11 (e)1 and 60.675(b)]

A.7. Initial Fugitive Visible Emission Compliance Tests: Fugitive emissions from the building openings for each emission unit must be tested in accordance with EPA Method 9. For EU 002, the testing shall be conducted with the new sea salt conveying equipment in operation. For EU 003, the testing shall be conducted with the new solar salt conveying equipment in operation. The EPA Method 9 test shall last at least 30 minutes (five 6-minute averages). Compliance with the applicable 7% opacity emission limit in Condition **A.5** must be based on the average of the five 6-minute averages.
[40 CFR 60, Subpart OOO, §60.672(c)(3), Table 3]

A.8 Visible Emission Compliance Test After Initial Testing. The permittee must conduct subsequent visible emission tests for fugitive emissions in accordance with EPA Method 9 within 5 years of the date of the last test.
[40 CFR 60, Subpart OOO, Table 3]

A.9. Test Requirements: Tests shall be conducted in accordance with the applicable requirements specified in Appendix D (Common Testing Requirements) of this permit.
[Rule 62-297.310, F.A.C.]

A.10. Test Methods: Required tests shall be performed in accordance with the following reference methods.

Method(s)	Description of Method and Comments
5	Determination of Particulate Matter Emissions from Stationary Sources
9	Visual Determination of the Opacity of Emissions from Stationary Sources
17	Determination of Particulate Emissions from Stationary Sources (In-Stack Filtration)
22	Visual Determination of Fugitive Emissions from Material Sources and Smoke Emissions from Flares

The above methods are described in Appendix A of 40 CFR 60 and are adopted by reference in Rule 62-204.800, F.A.C. No other methods may be used unless prior written approval is received from the Department.
[Rules 62-204.800 and 62-297.401, F.A.C.; and Appendix A of 40 CFR 60]

A.11. Operation Rate During Testing: Testing of emissions shall be conducted with the emission unit operation at permitted capacity. Permitted capacity is defined as 90 to 100 percent of the maximum operation rate allowed by the permit (that is, 20 tons per hour for EU 002, and 60 tons per hour for EU 003). If it is impractical to test at the permitted capacity, an emissions

unit may be tested at a lower capacity; in this case, subsequent emissions unit operation is limited to 110 percent of the tested capacity until a new test is conducted. Once the unit is so limited, operation at higher capacities is allowed for no more than 15 consecutive days for the purpose of additional compliance testing to regain the authority to operate at the permitted capacity. [Rule 62-297.310(2), F.A.C.]

MONITORING REQUIREMENTS

A.12. Monitoring Requirements:

a. The permittee shall conduct quarterly 30 minute visible emissions inspections using EPA Method 22. The Method 22 test shall be conducted while each baghouse is operating.
   (i) The test is successful if no visible emissions are observed. If any visible emissions are observed, the owner or operator of the affected facility must initiate corrective action within 24 hours to return the baghouse to normal operation.
   (ii) The permittee must record each Method 22 test, including the date and any corrective actions taken, in the logbook required in Condition **A.16**.
   (iii) The permittee may establish a different baghouse-specific success level for the visible emissions test (that is, other than no visible emissions) by conducting a PM performance test according to §60.675(b) of 40 CFR 60 Subpart OOO simultaneously with a Method 22 to determine what constitutes normal visible emissions from that affected facility's baghouse when it is in compliance with the applicable PM concentration limit in Table 2 of 40 CFR 60 Subpart OOO. The revised visible emissions success level must be incorporated into the permit for the affected facility.

b. As an alternative to the periodic Method 22 visible emissions inspections specified in the above paragraph, the owner or operator may use a bag leak detection system. The owner or operator must install, operate, and maintain the bag leak detection system according to paragraphs §60.674(d)(1) through (3) of 40 CFR Part 60 Subpart OOO.

[Rule 62-204.800, F.A.C. and40 CFR Part 60 Subpart OOO, §60.674(c)]

NOTIFICATION REQUIREMENTS

A.13. Test Notification: The permittee shall notify the Compliance Authority (**DEP_CD@dep.state.fl.us**) at least 15 days prior to the date on which each formal compliance test is to begin. The notification must include the date, time, and place of each such test, and the test contact person who will be responsible for coordinating and having such test conducted for the permittee.
[Rules 62-4.070(3) and 62-297.310(7)(a)9., F.A.C.]

A.14. Notification of Operation Commencement: The permittee shall notify the Compliance Authority (DEP_CD@dep.state.fl.us) in writing of the date of:

a. commencing operation of the sea salt production equipment in EU No. 002, and
b. commencing operation of the equipment installed in EU 003

no later than five (5) business days after that date.
Commencing operation means setting into operation of any emissions unit for any purpose.
[Rule 62-4.070, F.A.C., and Rule 62-210.200, F.A.C., (Definition of Commence Operation)]

RECORDS AND REPORTS

A.15. Test Reports: The permittee shall prepare and submit reports for all required tests in accordance with the requirements specified in Appendix D (Common Testing Requirements) of this permit, that is, "The required test report shall be filed with the Department as soon as practical but no later than 45 days after the last sampling run of each test is completed."
[Rule 62-297.310(8), F.A.C.]

A.16. Monthly and Quarterly Log: In order to demonstrate compliance with Specific Conditions **A.2**. and **A.12**. of this permit, the permittee shall maintain a log at the facility for a period of at least five years from the date the data is recorded

The Monthly summary of the log, at a minimum, shall contain the following:

1. Facility Name, Facility ID No. (i.e., Facility Name, Facility # 0090095);
2. Designation of the month and year of operation for which the records are being tabulated; and,
3. Consecutive 12-month total of the amount of material processed (tons) by the Pellet Line and the Solar Salt Production Line. (The Sea Salt material processed will recorded as part of EU 004 and EU 005 recordkeeping.)

The Quarterly summary of the log, at a minimum, shall contain the following:

1. Each Method 22 (40 CFR part 60, Appendix A–7) test, including the date, the result, and any corrective actions taken, in accordance with Condition No. **A.12**.

The monthly and quarterly logs shall be completed by the end of the following month for which the records are being kept.

Note: A consecutive 12-month total is equal to the total for the month in question plus the totals for the eleven months previous to the month in question. A consecutive 12-month total treats each month of the year as the end of a 12 month period. A 12-month total is not a year-to-date total. Facilities or Emission Units that have not been operating for 12 months should use whatever number of months of data are available until such a time as a consecutive 12-month total can be determined.
[Rule 62-4.070(3), F.A.C.]

A.17. Record Retention: The records required in Specific Condition No. **A.16.** shall be recorded in a permanent form suitable for inspection and made available to the Department upon request.

The records shall be maintained onsite for a minimum of five (5) years.
[Rule 62-4.070(3), F.A.C.].

B. EU 004 – Sea Salt Production Line, EU 005 - Sea Salt Packaging Line

This section of the permit addresses the following two new emissions units.

ID No.	Emission Unit Description
004	Sea Salt Production Line. This project will add a new 25 ton per hour food grade sea salt production line, which will consist of the following equipment: One 25-ton per hour vibrating fluid bed dryer One 25-ton per hour dry crusher, 3 new triple deck vibrating screeners, 3 new screeners An elevator 12 screw conveyors Particulate emissions will be controlled by a new cyclone followed by a venturi wet scrubber, designated as DC-4, with an expected control efficiency of 99.93%. Specific make and model numbers will be provided in the operation permit application upon completion of construction.
005	Sea Salt Packaging Line. This project will add a new 50 ton per hour food grade sea salt packaging line, which will consist of the following equipment: Seven, 75-ton capacity storage silos 2 elevators 2 bagging screeners 2 bagging hoppers 2 bagging scales 9 screw conveyors Particulate matter will be controlled by a new baghouse, designated as DC-5, with an expected control efficiency of 99.8%. Specific make and model number will be provided in the operation permit application upon completion of construction.

PERFORMANCE RESTRICTIONS

B.1. Federal Regulatory Requirements: These emission units are subject to 40 CFR 60, Subpart OOO – Standards of Performance for Nonmetallic Mineral Processing Plants, which is adopted by reference in Rule 62-204.800, F.A.C.
[Rule 62-204.800(68), F.A.C.]

B.2. Permitted Capacities: The process rate for each emission unit (EU-004 and EU-005), shall not exceed 219,000 tons per any consecutive 12-month period.
[Application received 08/05/2014, and Rule 62-210. 200(247), "Potential to Emit," F.A.C.]

B.3. Restricted Operation: The hours of operation are not limited (8,760 hours per year).
[Rules 62-4.070(3) and 62-210. 200(247), "Potential to Emit," F.A.C.]

EMISSIONS STANDARDS

B.4. Particulate Emissions Standard: Particulate Emissions from each emission unit (EU-004 and EU-005) shall not exceed 0.014 grains per dry standard cubic foot (gr/dscf)
[Permit Application received 08/05/2014 and 40 CFR 60, Subpart OOO, §60.672, Table 2]

B.5. Visible Emissions Standard: Visible Emissions from fugitive emissions from the building openings of each emission unit shall not exceed 7% opacity.
[Permit Application dated 08/05/2014; and 40 CFR 60, Subpart OOO, §60.672(e)(1), Table 3]].

TESTING REQUIREMENTS

B.6 Initial Compliance Tests: The wet scrubber and baghouse for these emission units must be tested for particulate emissions in accordance with EPA Method 5 (3 runs) or EPA Method 17 (3 runs). EPA Method 9 will be used for visible emission testing. The testing shall be conducted with the new sea salt conveying equipment in operation.

a. The emissions testing shall be conducted within 60 days of achieving permitted capacity, but no later than 135 days after initial startup of the new sea salt conveying equipment.

{Permitting Note: 40 CFR 60.8(a) states that the performance test and written report must be submitted within 180-days of startup.
Refer to Administrative Condition 8 which requires the performance test report to be submitted as part of an air operation permit application that is due no later than 180-days after commencing operation of the emission unit.}

b. Each EPA Method 5 run or EPA Method 17 run shall last at least 60 minutes. The sample volume shall be at least 1.70 dscm (60 dscf). For Method 5 (40 CFR part 60, Appendix A-3), if the gas stream being sampled is at ambient temperature, the sampling probe and filter may be operated without heaters. If the gas stream is above ambient temperature, the sampling probe and filter may be operated at a temperature high enough, but no higher than 121 °C (250 °F), to prevent water condensation on the filter.

c. The Average wet scrubber pressure loss and liquid flow rate information must be recorded during the initial performance test so that a decrease by more than 30 percent from this average determined during the test can be monitored and reported in accordance with Condition **B.18**.

d. The EPA Method 9 test shall last at 1 hour (ten 6-minute averages) and must be done concurrently with the three particulate test runs.

[Rules 62-4.070(3) and 62-297.310(7)(a), F.A.C. and 40 CFR Part 60 Subpart OOO, §60.675(b)]

B.7. Initial Visible Emission Compliance Tests: Fugitive emissions from the building openings for each emission unit must be tested in accordance with EPA Method 9.

a. For EU 004, the testing shall be conducted with the new sea salt conveying equipment in operation.
b. For EU 005, the testing shall be conducted with the new sea salt packaging equipment in operation.
c. The EPA Method 9 test shall last at least 30 minutes (five 6-minute averages). Compliance with the applicable 7% opacity emission limit in Condition **B.5** must be based on the average of the five 6-minute averages.

[40 CFR 60, Subpart OOO, §60.672(c)(3), Table 3]

B.8 Visible Emission Compliance Test After Initial Testing: The permittee must conduct subsequent visible emission tests for fugitive emissions in accordance with EPA Method 9 within 5 years of the date of the last test.
[40 CFR 60, Subpart OOO, Table 3]

B.9. Test Requirements: Tests shall be conducted in accordance with the applicable requirements specified in Appendix D (Common Testing Requirements) of this permit.
[Rule 62-297.310, F.A.C.]

B.10. Test Methods): Required tests shall be performed in accordance with the following reference methods.

Method(s)	Description of Method and Comments
5	Determination of Particulate Matter Emissions from Stationary Sources
9	Visual Determination of the Opacity of Emissions from Stationary Sources Make a note here if DEP Method 9 is needed instead of EPA Method 9
17	Determination of Particulate Emissions from Stationary Sources (In-Stack Filtration)
22	Visual Determination of Fugitive Emissions from Material Sources and Smoke Emissions from Flares

The above methods are described in Appendix A of 40 CFR 60 and are adopted by reference in Rule 62-204.800, F.A.C. No other methods may be used unless prior written approval is received from the Department.
[Rules 62-204.800 and 62-297.401, F.A.C.; and Appendix A of 40 CFR 60]

B.11. Operation Rate During Testing: Testing of emissions shall be conducted with the emission unit operation at permitted capacity. Permitted capacity is defined as 90 to 100 percent of the maximum operation rate allowed by the permit (that is, 25 tons per hour). If it is impractical to test at the permitted capacity, an emissions unit may be tested at a lower capacity; in this case, subsequent emissions unit operation is limited to 110 percent of the tested capacity until a new test is conducted. Once the unit is so limited, operation at higher capacities is allowed for no more than 15 consecutive days for the purpose of additional compliance testing to regain the authority to operate at the permitted capacity. [Rule 62-297.310(2), F.A.C.]

MONITORING REQUIREMENTS

B.12. Monitoring Requirements for Baghouse Emissions (EU 005 only):

a. The permittee shall conduct quarterly 30 minute visible emissions inspections using EPA Method 22. The Method 22 test shall be conducted while the baghouse for EU 005 is operating.

(i) The test is successful if no visible emissions are observed. If any visible emissions are observed, the owner or operator of the affected facility must initiate corrective action within 24 hours to return the baghouse to normal operation.

(ii) The permittee must record each Method 22 test, including the date and any corrective actions taken, in the logbook required under Condition **B.19**.

(iii) The permittee may establish a different baghouse-specific success level for the visible emissions test (that is, other than no visible emissions) by conducting a PM performance test according to §60.675(b) of 40 CFR 60 Subpart OOO simultaneously with a Method 22 to determine what constitutes normal visible emissions from that affected facility's baghouse when it is in compliance with the applicable PM concentration limit in Table 2 of 40 CFR 60 Subpart OOO. The revised visible emissions success level must be incorporated into the permit for the affected facility.

b. As an alternative to the periodic Method 22 visible emissions inspections specified in the above paragraph, the owner or operator may use a bag leak detection system. The owner or operator must install, operate, and maintain the bag leak detection system according to paragraphs §60.674(d)(1) through (3) of 40 CFR Part 60 Subpart OOO.

[Rule 62-204.800, F.A.C. and40 CFR Part 60 Subpart OOO, §60.674(c)]

B.13. Wet Scrubber Monitoring Devices (EU 004 only): The permittee shall install, calibrate, maintain and operate the following monitoring devices for the wet scrubber installed for EU 004:

a. A device for the continuous measurement of the pressure loss of the gas stream through the scrubber. The monitoring device must be certified by the manufacturer to be accurate within ±250 pascals (±1 inch water gauge pressure) and must be calibrated on an annual basis in accordance with manufacturer's instructions.

b. A device for the continuous measurement of the scrubbing liquid flow rate to the wet scrubber. The monitoring device must be certified by the manufacturer to be accurate within ±5 percent of design scrubbing liquid flow rate and must be calibrated on an annual basis in accordance with manufacturer's instructions.

[40 CFR Part 60 Subpart OOO, §60.674(a)]

B.14. Wet Scrubber Daily Inspections: The permittee shall perform daily inspections of the wet scrubber installed for EU 004 and record the change in pressure of the gas stream across the scrubber and the scrubbing liquid flow rate, in accordance with Condition **B.19**.
[40 CFR Part 60 Subpart OOO, §60.676(c)]

NOTIFICATION REQUIREMENTS

B.15. Test Notification: The permittee shall notify the Compliance Authority (DEP_CD@dep.state.fl.us) at least 15 days prior to the date on which each formal compliance test is to begin. The notification must include the date, time, and place of each

such test, and the test contact person who will be responsible for coordinating and having such test conducted for the permittee.
[Rules 62-4.070(3) and 62-297.310(7)(a)9., F.A.C.]

B.16. Notification of Operation Commencement: The permittee shall notify the Compliance Authority (DEP_CD@dep.state.fl.us) in writing of the date of commencing operation of the sea salt production equipment in EU 004 and EU 005, no later than five (5) business days after that date. Commencing operation means setting into operation of any emissions unit for any purpose.
[Rule 62-4.070, F.A.C., and Rule 62-210.200, F.A.C., (Definition of Commence Operation)]

RECORDS AND REPORTS

B.17. Test Reports: The permittee shall prepare and submit reports for all required tests in accordance with the requirements specified in Appendix D (Common Testing Requirements) of this permit, that is, "The required test report shall be filed with the Department as soon as practical but no later than 45 days after the last sampling run of each test is completed."
[Rule 62-297.310(8), F.A.C.]

B.18. Wet Scrubber Semiannual Reports: After the initial performance test of the wet scrubber, the permittee shall submit semiannual reports to the Compliance Authority (DEP_CD@dep.state.fl.us) of occurrences when the measurements of the scrubber pressure loss and liquid flow rate decrease by more than 30 percent from the average determined during the most recent performance test. The reports shall be submitted electronically within 30 days following end of the second (June 30) and fourth (December 31) calendar quarters.
[40 CFR Part 60 Subpart OOO, §60.676(d)]

B.19. Daily, Monthly, and Quarterly Logs: In order to demonstrate compliance with Specific Condition Numbers **B.2, B.12**, **B.14, and B.18** of this permit, the permittee shall maintain a log at the facility for a period of at least five years from the date the data is recorded.

The Daily summary of the log, at a minimum, shall contain the following:

1. Facility Name, Facility ID No. (i.e., Facility Name, Facility # 0090095);
2. Designation of the day, month, and year of operation for which the records are being tabulated; and,
3. The measurements of both the change in pressure of the gas stream across the scrubber and the scrubbing liquid flow rate.

The Monthly summary of the log, at a minimum, shall contain the following:

1. Facility Name, Facility ID No. (i.e., Facility Name, Facility # 0090095);
2. Designation of the month and year of operation for which the records are being tabulated; and,
3. Consecutive 12-month total of the amount of material processed (tons) by the Sea Salt Production Line;

B. EU 004 – Sea Salt Production Line, EU 005 - Sea Salt Packaging Line

B. EU 004 – Sea Salt Production Line, EU 005 - Sea Salt Packaging Line

The Quarterly summary of the log, at a minimum, shall contain the following:

1. A record of each Method 22 test conducted on the baghouse for EU-005, including the date, the results, and any corrective actions taken, in accordance with Condition No. **B.12**;

The daily monthly and quarterly logs shall be completed by the end of the following day or month for which the records are being tabulated.

Note: A consecutive 12-month total is equal to the total for the month in question plus the totals for the eleven months previous to the month in question. A consecutive 12-month total treats each month of the year as the end of a 12-month period. A 12-month total is not a year-to-date total. Facilities or Emission Units that have not been operating for 12 months should use whatever number of months of data are available until such a time as a consecutive 12-month total can be maintained each month.
[Rule 62-4.070(3), F.A.C. and 40 CFR Part 60 Subpart OOO, §60.676(c)]

B.21. Record Retention: The records required in Specific Condition No. **B.20.** shall be recorded in a permanent form suitable for inspection and made available to the Department upon request. The records shall be maintained onsite for a minimum of five (5) years.
[Rule 62-4.070(3), F.A.C.