

MEMORANDUM

DATE: November 5, 2012

TO: Richard D. Garrity, Ph.D.

FROM: Lora Webb **THRU:** Diana M. Lee, P.E.
Sterlin K. Woodard, P.E.

SUBJECT: Construction Permit – Gaetano Cacciatore, Inc.
Final Permit No. 0571314-008-AC

Attached is Final Permit No. 0571314-008-AC for the construction of an additional conveyor at Gaetano Cacciatore, Inc., an aggregate and cement (including various concrete raw materials) handling facility. The facility is located at 3920 Pendola Point Road, Tampa and is classified as a Synthetic Non-Title V source of particulate matter emissions. According to the facility, the additional conveyor will be used to improve safety and minimize spillage of material when ships are off loading. This permit also authorizes the unloading of ships using a shipboard clamshell in addition to receiving self-unloading ships.

The facility published the public notice in La Gaceta on October 19, 2012. No comments were received from the public or the facility.

Based on our review, we recommend that this permit be issued as drafted.

LAW: 0571314-008-AC

FINAL DETERMINATION

FOR

Gaetano Cacciatore, Inc.

Hillsborough County

Air Construction Permit

Application Number

0571314-008-AC

Environmental Protection Commission of

Hillsborough County

Tampa, FL

November 5, 2012

FINAL DETERMINATION

The Environmental Protection Commission of Hillsborough County mailed a public notice package on October 4, 2012 that included an Intent to Issue Air Construction Permit No. 0571314-008-AC to Gaetano Cacciatore, Inc. The facility is located at 3920 Pendola Point Road, Tampa, Hillsborough County, FL 33619. The air construction permit authorizes construction of an additional conveyor belt for the aggregate handling operation and authorizes the unloading of ships using a shipboard clamshell in addition to self-unloading ships.

The Public Notice of Intent to Issue was published in La Gaceta on October 19, 2012.

COMMENTS/CHANGES

No comments were received from the applicant or the public.

CONCLUSION

The final action of the Environmental Protection Commission of Hillsborough County is to issue the permit as drafted.

ENVIRONMENTAL PROTECTION COMMISSION OF
HILLSBOROUGH COUNTY, as Delegated by

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

NOTICE OF PERMIT

Bob Turner
Plant Manager
Gaetano Cacciatore, Inc.
3920 Pendola Point Rd.
Tampa, Fl 33619

Re: Hillsborough County - AP

Dear Mr. Turner:

Enclosed is Permit Number 0571314-008-AC to construct one additional conveyor belt for the aggregate handling operation and to authorize the unloading of ships using a shipboard clamshell in addition to self-unloading ships, issued pursuant to Section 403.087, Florida Statutes.

Any party to this order (permit) has the right to seek judicial review of the permit pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the EPC in the Legal Department at 3629 Queen Palm Drive, Tampa, Florida 33619; 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 of Appeal must be filed within 30 days from the date this Notice is filed with the clerk of the EPC.

Executed in Tampa, Florida.

Sincerely,

Richard D. Garrity, Ph.D.
Executive Director

RDG/LAW/law

Gaetano Cacciatore , Inc.
Tampa, Fl 33619

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cc: Florida Department of Environmental Protection (via email)
Gerald Kissel, P.E.

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT ISSUANCE and all copies were mailed before the close of business on _____ to the listed persons.

FILING AND ACKNOWLEDGEMENT FILED, on this date, pursuant to Section 120.52(7), Florida Statutes, with the clerk, receipt of which is hereby acknowledged.

Clerk

Date

PERMITTEE:

Gaetano Cacciatore, Inc.
3920 Pendola Point Road
Tampa, FL 33619

PERMIT/CERTIFICATION

Permit No.: 0571314-008-AC
County: Hillsborough
Expiration Date: October 12, 2013
Project: Additional Stevedoring Conveyor (PC-2)

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rules 62-204, 62-210, 62-212, 62-296, 62-297, and 62-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents, attached hereto or on file with the EPC and made a part hereof and specifically described as follows:

Gaetano Cacciatore, Inc. is a material handling facility that handles cement (including various concrete raw materials) and aggregate. This permit authorizes construction of one additional stevedoring conveyor belt designated PC-2 and authorizes the unloading of ships using a shipboard clamshell in addition to self-unloading ships.

In the aggregate handling portion of the facility, limestone and crushed granite are received by ship. Included under the designation of "crushed granite" is a finely ground granite with a trade name of SAND. The material is delivered by self-unloading ships and transferred to an on-shore receiving hopper. There are currently several generations of ships received at the facility. The third and later generations of ships utilize onboard dust collectors to control emissions on the ship. These ships may have multiple dust collectors onboard. The first generation ships do not have dust collectors and use onboard cranes (clamshells) to load a series of onboard hoppers followed by conveyors that lead to the final ship unloading boom.

Material from all types of ships is transferred from the ship's unloading boom to an on-shore receiving hopper. In addition, ships may be unloaded using a shipboard clamshell. From the hopper, the material is transferred by an elevated covered belt conveyor (BC-1) to a covered radial stacker conveyor (RS-1). The radial stacker conveyor includes an in-line material drop (transfer point) onto an uncovered secondary conveyor which acts as a telescoping extension for the radial stacker. The radial stacker and a telescoping extension can vary its length and height and can drop the material in various piles around a pivot arc of approximately 225°, which is estimated to have a stacker pile radial footprint of 2.4 acres. PM emissions are controlled as necessary by a water spray system at the top of the on-shore hopper and at each transfer point and by a sprinkler system or water cannon within the pile formation area.

Ships that have unloading booms that are too short to reach the on-shore receiving hopper utilize the mobile stevedoring hopper and conveyor system. The self-unloading ships transfer the material

from their cargo holds via under-hold conveyors to the ship unloading boom. In addition, ships may be unloaded using a shipboard clamshell. Water suppression is available as needed. The material is discharged from the boom or clamshell into a telescopic chute, designed to minimize dust emissions, directly into a stevedoring hopper. Material will be gravity fed from the stevedoring hopper to a new, elevated, stevedoring conveyor belt (PC-2). Material will then be transferred from the new stevedoring conveyor belt (PC-2) to the existing stevedoring conveyor belt (PC-1), which will convey the material to a chute adjoining the on-shore receiving hopper described above. The two electric-powered stevedoring conveyors, PC-1 and PC-2, each have an estimated transfer rate of 1,000 ton/hr. PC-1 is 36" wide and 125' long and PC-2 is 36" wide and 32' long. The stevedoring hopper and two conveyors have a water spray system at each transfer point that is used as necessary to minimize emissions.

From the storage piles, the material is transferred via front-end loaders to a reclaim hopper with a water spray system located at the top of the hopper. The material is then gravity fed onto a covered reclaim conveyor (RC-1). RC-1 transfers material to a second covered reclaim conveyor (RC-2) which feeds material into one of three elevated truck loading bins. The loadout bins are located over a weigh scale with two-sides partially enclosed. Trucks drive underneath the bins and the desired product is gravity fed into an open bed truck. PM emissions are controlled by a water spray system located at each conveyor transfer point. In addition, water sprays are located under the loadout bin to control PM emissions as necessary.

Location: 3920 Pendola Point Road, Tampa

UTM: 17-360.74E 3087.0N Facility ID No.: 0571314

Emission Unit No.:

018 - Aggregate Handling Operation

- EP No. 1: Shiphold to Ship Boom/Clamshell
- EP No. 2: Ship Boom/Clamshell to Onshore Hopper or Stevedoring Hopper
- EP No. 3: Stevedoring Hopper to Stevedoring Conveyor (PC-2)
- EP No. 4: Stevedoring Conveyor (PC-2) to Stevedoring Conveyor (PC-1)
- EP No. 5: Stevedoring Conveyor (PC-1) to Onshore Hopper Chute
- EP No. 6: Onshore Hopper or Onshore Hopper Chute to Belt Conveyor (BC-1)
- EP No. 7: BC-1 to Radial Stacker Conveyor (RS-1)
- EP No. 8: RS-1 to Radial Stacker Conveyor Extension (RS-2)
- EP No. 9: RS-2 to Storage Pile
- EP No. 10: Storage Pile (via front-end loader) to Reclaim Hopper
- EP No. 11: Reclaim Hopper to Reclaim Conveyor (RC-1)
- EP No. 12: RC-1 to Reclaim Conveyor 2 (RC-2)
- EP No. 13: RC-2 to Truck Loadout Bin
- EP No. 14: Truck Loadout Bin to Truck

References Permit Nos.: 0571314-005-AC

Replaces Permit No.: NA

PERMITTEE:
Gaetano Cacciatore, Inc.

PERMIT/CERTIFICATION NO.: 0571314-008-AC
PROJECT: Additional Stevedoring Conveyor (PC-2)

SPECIFIC CONDITIONS:

1. A part of this permit is the attached General Conditions. [Rule 62-4.160, F.A.C.]
2. All applicable rules of the Environmental Protection Commission of Hillsborough County including design discharge limitations specified in the application shall be adhered to. The permit holder may also need to comply with county, municipal, federal, or other state regulations prior to construction. [Rule 62-4.070(7), F.A.C.]
3. Issuance of this permit does not relieve the permittee from complying with applicable emission limiting standards or other requirements of Chapters 62-204, 62-210, 62-212, 62-296 and 62-297, F.A.C., or any other requirements under federal, state, or local law. [Rule 62-210.300, F.A.C.]
4. The permittee shall not cause, suffer, allow or permit the discharge of air pollutants which cause or contribute to an objectionable odor. [Rule 62-296.320, F.A.C.]
5. The use of property, facilities, equipment, processes, products, or compounds, or the commission of paint overspraying or any other act, that causes or materially contributes to a public nuisance is prohibited, pursuant to the Hillsborough County Environmental Protection Act, Section 16, Chapter 84-446, Laws of Florida, as Amended.
6. The permittee shall not cause, permit, or allow any visible emissions (five percent opacity) from any emission unit, emission point, transfer point, or activity associated with the aggregate handling operation (EU No. 018), including but not limited to, the following emission unit and emission points: [Rule 62-296.711(2)(a), F.A.C. and Chapter 1-3.52.2, Rules of the EPC]

EU No. 018 - Aggregate Handling Operation

- EP No. 1: Shiphold to Ship Boom/Clamshell
- EP No. 2: Ship Boom/Clamshell to Onshore Hopper or Stevedoring Hopper
- EP No. 3: Stevedoring Hopper to Stevedoring Conveyor (PC-2)
- EP No. 4: Stevedoring Conveyor (PC-2) to Stevedoring Conveyor (PC-1)
- EP No. 5: Stevedoring Conveyor (PC-1) to Onshore Hopper Chute
- EP No. 6: Onshore Hopper or Onshore Hopper Chute to Belt Conveyor (BC-1)
- EP No. 7: BC-1 to Radial Stacker Conveyor (RS-1)
- EP No. 8: Radial Stacker Conveyor (RS-1) to Radial Stacker Conveyor Extension (RS-2)
- EP No. 9: RS-2 to Storage Pile
- EP No. 10: Storage Pile (via front-end loader) to Reclaim Hopper
- EP No. 11: Reclaim Hopper to Reclaim Conveyor (RC-1)
- EP No. 12: RC-1 to Reclaim Conveyor 2 (RC-2)
- EP No. 13: RC-2 to Truck Loadout Bin
- EP No. 14: Truck Loadout Bin to Truck

7. In order to ensure compliance with Specific Condition No. 6, the following limitations and restrictions for the aggregate handling operation shall apply: [Rule 62-4.070(3), F.A.C. and Permit No.

PERMITTEE:
Gaetano Cacciatore, Inc.

PERMIT/CERTIFICATION NO.: 0571314-008-AC
PROJECT: Additional Stevedoring Conveyor (PC-2)

SPECIFIC CONDITIONS:

0571314-005-AC]

- A) Only various grades (sizes) of limestone and granite, including finely ground granite commonly referred to as "SAND", shall be handled in the aggregate yard. Any other type of aggregate may only be handled if prior approval is obtained from the Environmental Protection Commission (EPC).
- B) The maximum combined aggregate throughput shall not exceed 1,500,000 tons in any twelve consecutive month period.
- C) The maximum aggregate transfer rate for ship unloading to storage piles shall not exceed 4,000 tons/hr.
- D) When using the stevedoring hopper and conveyor system, the maximum aggregate transfer rate for ship unloading to storage piles shall not exceed 1,000 tons/hour.
- E) The maximum aggregate transfer rate for Emission Unit No. 018, Emission Point Nos. 9-13 (reclaim from pile to loading of trucks) shall not exceed 1,200 tons/hr.
- F) The hours of operation for the aggregate handling operation are not limited.
- G) The truck loadout area and all conveyors, with the exception of the two stevedoring conveyors and the telescoping extension on the radial stacker, shall be partially enclosed as specified in the permit application.
- H) The permittee shall maintain an atomized water suppression system at all hoppers, conveyor transfer points, and loadout points to adequately wet the material as necessary to comply with the opacity standard specified in Specific Condition No. 6. The permittee shall ensure the material stays adequately wet while the material is moving on the conveyor belts and is dropped/stored in piles.
- I) The permittee shall use a water spray system (permanent sprinkler system or water truck with water cannon spray) for the open storage piles as necessary to comply with the opacity standard specified in Specific Condition No. 6. The water spray system shall ensure coverage of the storage piles and front-end loader working areas.
- J) All aggregate handling conveyor motors shall be electrical.
- K) Utilize tarps and/or covers as necessary to prevent visible emissions from the ship/shiphold in excess of 5% opacity, and curtail operations if winds are entraining particulate matter in excess of 5% opacity.
- L) No blowers shall be used in any open shiphold vessels.

8. Test EU No. 018, EP Nos. 3 and 4 for visible emissions the first time that each emission point is used and annually thereafter. Submit two copies of the test data to the Air Management Division of the Environmental Protection Commission of Hillsborough County (EPCHC) within 45 days of such testing. Testing procedures shall be consistent with the requirements of Rule 62-297.310, F.A.C. Each Method 9 test shall be at least 30 minutes in duration and shall be conducted as follows: [Rules 62-297.620(4), 62-297.310, and 62-4.070(3), F.A.C.]

9. Compliance with the emission limitations of Specific Condition No. 6 shall be determined using EPA Method 9 contained in 40 CFR 60, Appendix A and adopted by reference in Rule 62-297, F.A.C. The

PERMITTEE:
Gaetano Cacciatore, Inc.

PERMIT/CERTIFICATION NO.: 0571314-008-AC
PROJECT: Additional Stevedoring Conveyor (PC-2)

SPECIFIC CONDITIONS:

minimum requirements for stack sampling facilities, source sampling and reporting, shall be in accordance with Rule 62-297, F.A.C. and 40 CFR 60, Appendix A. [Rules 62-297, 62-297.310(4)(a)2, and 62-296.711(3), F.A.C.]

10. Testing of emissions shall be conducted with the sources operating at capacity. Capacity is defined as 90-100% of the rated ton/hr capacity for each emission point as defined in Specific Condition No. 7.D). If it is impracticable to test at capacity, then the source may be tested at less than capacity; in this case subsequent source operation is limited to 110% of the test rate until a new test is conducted. Once the unit is so limited, then operation at higher capacities is allowed for no more than fifteen days for purposes of additional compliance testing to regain the rated capacity in the permit, with prior notification to the EPC. Failure to submit the process rates and actual operating conditions may invalidate the test. [Rules 62-4.070(3) and 62-297.310(2)(b), F.A.C.]

11. The permittee shall notify the Air Compliance Section of the Environmental Protection Commission of Hillsborough County at least 15 days prior to the date on which each formal compliance test is to begin of the date, time, and place of each such test, and the contact person who will be responsible for coordinating and having such test conducted. [Rule 62-297.310(7)(a)9., F.A.C.]

12. The permittee shall perform the following observations and checks on the schedule specified below. The permittee shall perform any necessary maintenance work in order to keep the equipment in good working order to minimize fugitive particulate emissions. [Rule 62-4.070(3), F.A.C. and Permit No. 0571314-005-AC]

A) Daily (when in operation)

- 1) Inspect all water sprinkler systems for proper operation, including, but not limited to, leaks and adequate wetness of material.

B) Each day of material handling (when in operation)

- 1) Inspect the unpaved areas to ensure they are adequately wet.
- 2) Inspect the paved truck loading areas to ensure they are free of dust and debris.

C) Records of inspections, maintenance, and performance parameters shall be retained for a minimum of three years and shall be made available to any local, state, or federal air pollution control agency upon request.

13. In order to demonstrate compliance with Specific Condition Nos. 7 and 12 the permittee shall maintain records of operations for the most recent three year period. The records shall be made available to the Environmental Protection Commission of Hillsborough County, state or federal air pollution agency upon request. The records shall include, but not limited to, the following: [Rules 62-4.070(3) and 62-4.160(14)(b), F.A.C. and Permit No. 0571314-005-AC]

PERMITTEE:
Gaetano Cacciatore, Inc.

PERMIT/CERTIFICATION NO.: 0571314-008-AC
PROJECT: Additional Stevedoring Conveyor (PC-2)

SPECIFIC CONDITIONS:

- A) Daily
 - 1) Day, Month, Year
 - 2) The type of ship delivering aggregate (first generation, third generation, etc.) and whether the stevedoring conveyor was being utilized
 - 3) Amount and type of material loaded into trucks (tons/day)
 - 4) Hours of operation for unloading ships controlled by baghouses (hrs/day) and the total combined baghouse airflow exhausted to the atmosphere
 - 5) Records as required by Specific Condition No. 12

- B) Monthly
 - 1) Month, Year
 - 2) Monthly total of the amount and type of material received by first generation (onboard clamshell/hopper system) ships (tons/ship)
 - 3) Monthly total of the amount and type of material received by all other ships (tons/ship)
 - 4) Monthly total of all material loaded into trucks (tons)
 - 5) Monthly total of the hours of operation for unloading ships controlled by baghouses
 - 6) Rolling twelve (12) month totals of 2) through 5) above

14. All reasonable precautions shall be taken to prevent and control generation of unconfined emissions of particulate matter in accordance with the provision in Rule 62-296.320, F.A.C. These provisions are applicable to any source, including, but not limited to, vehicular movement, transportation of materials, construction, alterations, demolition or wrecking, or industrial related activities such as loading, unloading, storing and handling. Reasonable precautions shall include, but not be limited to, the following: [Rules 62-296.320(4)(c) and 62.4.070(3), F.A.C., and Permit No. 0571314-005-AC]

- A) Minimize drop heights (free-fall distance) when handling any materials.
- B) Properly maintain all enclosures, coverings, and drop chutes on the conveyors.
- C) All trucks shall be covered prior to exiting the site.
- D) Attend to major operational upsets promptly and effectively. Stop operation, if necessary.
- E) Maintain trafficked areas clean. Limit vehicular traffic to 10 miles per hour or less, if necessary.
- F) Application of asphalt, water, chemicals, or dust suppressants as needed to reduce emissions from truck/vehicle traffic. Vehicle movement in the area of the unpaved roads should be limited. Unpaved parking areas and vehicular passageways should be covered with coarse aggregates and wetted as necessary.
- G) Removal of particulate matter from roads and other paved areas under the control of the owner or operator of the facility to prevent reentrainment, and from buildings or work areas to prevent particulate from becoming airborne. Manual sweeping and vacuuming may be used, but no blowers are allowed.
- H) Make plant personnel aware of the environmental requirements in this permit.
- I) Exercise good housekeeping practices at all times.
- J) At the option of the permittee, a surfactant chemical may be added to the water to increase the effectiveness of the dust suppression systems.

PERMITTEE:
Gaetano Cacciatore, Inc.

PERMIT/CERTIFICATION NO.: 0571314-008-AC
PROJECT: Additional Stevedoring Conveyor (PC-2)

SPECIFIC CONDITIONS:

15. When the Environmental Protection Commission of Hillsborough County (EPC) after investigation, has good reason (such as complaints, increased visible emissions or questionable maintenance of control equipment) to believe that any applicable emission standard contained in Rules 62-204, 62-210, 62-212, 62-296, or 62-297, F.A.C., or in a permit issued pursuant to those rules is being violated, it may require the owner or operator of the source to conduct compliance tests with the particulate emission standards which identify the nature and quantity of pollutant emissions from the source and to provide a report on the results of said tests to the EPC. [Rule 62-297.310(7)(b), F.A.C.]

16. Submit to the Environmental Protection Commission of Hillsborough County each calendar year on or before April 1, completed DEP Form 62-210.900(5), "Annual Operating Report for Air Pollutant Emitting Facility", for the preceding calendar year. [Rules 62-210.370(3)(a)3. and (3)(c), F.A.C.]

17. The permittee shall provide timely notification to the Environmental Protection Commission of Hillsborough County prior to implementing any changes that may result in a modification to this permit pursuant to Rule 62-210.200(205), F.A.C. The changes do not include normal maintenance, but may include, and are not limited to, the following, and may also require prior authorization before implementation: [Rules 62-210.300 and 62-4.070(3), F.A.C.]

- A) Alteration or replacement of any equipment or major component of such equipment.
- B) Installation or addition of any equipment which is a source of air pollution.
- C) Handling of any materials not authorized by this permit or the EPC.

18. If the permittee wishes to transfer this permit to another owner, an "Application for Transfer of Air Permit" (DEP Form 62-210.900(7)) shall be submitted, in duplicate, to the Environmental Protection Commission of Hillsborough County within 30 days after the sale or legal transfer of the permitted facility. [Rule 62-4.120, F.A.C.]

19. A minimum of two copies of an air operating permit application shall be submitted to the Environmental Protection Commission of Hillsborough County within 60 days of completion of the compliance tests or at least 90 days prior to the expiration date of this permit, whichever occurs first. [Rules 62-4.050(2) and 62-4.090, F.A.C.]

ENVIRONMENTAL PROTECTION COMMISSION
OF HILLSBOROUGH COUNTY

Richard D. Garrity, Ph.D.
Executive Director

