

FINAL DETERMINATION

FOR

Titan America, LLC

Hillsborough County

Air Construction Permit

Application Number

0571290-010-AC

Environmental Protection Commission of

Hillsborough County

Tampa, FL

March 10, 2014

FINAL DETERMINATION

The Environmental Protection Commission of Hillsborough County mailed a public notice package on January 3, 2014 that included an Intent to Issue Air Construction Permit No. 0571290-010-AC to Titan America, LLC. The facility is located at 4219 Maritime Blvd., Tampa, Hillsborough County, FL 33605. authorizes the replacement of two 324 HP engines with one 418 HP diesel fuel fired engine, which will be used to power the aggregate conveying systems at Titan America's Tampa Terminal. In addition, this permit removes the restriction on the hours of operation of the aggregate handling engine operations.

The Public Notice of Intent to Issue was published in the The Times, an edition of the Tampa Bay Times, on February 23, 2014.

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

John Crawford
Director, Environmental and Property Development
Titan America, LLC
455 Fairway Dr.
Deerfield Beach, FL 33441

Dear Mr. Crawford:

Enclosed is Permit Number 0571290-010-AC, which authorizes the replacement of two 324 HP engines with one 418 HP diesel fuel fired engine, which will be used to power the aggregate conveying systems at Titan America's Tampa Terminal. In addition, this permit removes the restriction on the hours of operation of the aggregate handling engine operations. Therefore, the new 418 HP engine will be permitted to operate up to 8,760 hours/yr., 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, FL 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

ENVIRONMENTAL PROTECTION COMMISSION
OF HILLSBOROUGH COUNTY

Richard D. Garrity, Ph.D.
Executive Director

RDG/LAW/law

Titan America, LLC
Deerfield Beach, FL 33441

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cc: Florida Department of Environmental Protection (via email)
Brad James, P.E. – Trinity Consultants (via email)

CERTIFICATE OF SERVICE

The undersigned duly designated clerk hereby certifies that this INTENT TO ISSUE 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 designated clerk, receipt of which is hereby acknowledged.

Clerk

Date

PERMITTEE:
Titan America, LLC
4219 Maritime Blvd.
Tampa, FL 33605

PERMIT/CERTIFICATION
Permit No.: 0571290-010-AC
County: Hillsborough
Expiration Date: February 28, 2015
Project: Aggregate Handling System Engine

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:

This permit authorizes the replacement of two 324 HP engines with one 418 HP, MTU, Model No. 6R1600G7OS, diesel fuel fired engine, which will be used to power the aggregate conveying systems. In addition, this permit removes the restriction on the hours of operation of the aggregate handling engine operations. Therefore, the new 418 HP engine will be permitted to operate up to 8,760 hours/yr.

The aggregate handling operation involves receiving, storing, and loading out aggregate materials. Aggregate (identified as recycled concrete, limestone, granite, and mineral aggregate deposits, which includes but is not limited to sand, gravel, and stone) is received from a ship off-loading conveyor at a maximum rate of 1,500 ton/hr and dropped into a large dockside hopper with an approximate capacity of 100 cubic yards. A single truck is driven directly under the hopper and the material is gravity-fed into the truck bed. Once the truck is full, the hopper gate is closed and another truck replaces the previous and the process continues using multiple trucks until the ship is unloaded.

The loaded trucks transport the material to the south portion of the site (Parcel B) where the conveying systems are located. There are two conveying systems. Each system consists of one RazerTail conveyor and one radial stacker and is used to make multiple storage piles. The loaded trucks drop the material through a grate onto a wide belt conveyor known as a RazerTail. The material is then transferred from the RazerTail to a radial stacker, which drops the material onto a storage pile. The radial stacker can pivot in an arc from its receiving point so the storage pile can be shaped and sized without having to relocate the conveying system frequently. Front-end loaders recover the material from the piles as needed and bulk-load the material into trucks or railcars for shipment off-site. The 418 HP, MTU, Model No. 6R1600G7OS, diesel fuel fired engine will be used to power the two aggregate conveying systems.

Location: 4219 Maritime Blvd., Tampa, FL 33605

UTM: 17- 359.94E 3087.81N Facility ID No.: 0571290

Emission Unit No. 025 – 418 HP Diesel Fired Engine – Aggregate Handling

References Permit No.: NA

Replaces Permit No.: NA

PERMITTEE:
Titan America, LLC

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SPECIFIC CONDITIONS:

1. Not federally Enforceable. Objectionable Odor Prohibited. No person shall cause, suffer, allow or permit the discharge of air pollutants, which cause or contribute to an objectionable odor. An “objectionable odor” means any odor present in the outdoor atmosphere which by itself or in combination with other odors, is or may be harmful or injurious to human health or welfare, which unreasonably interferes with the comfortable use and enjoyment of life or property, or which creates a nuisance. [Rule 62-296.320(2) and 62-210.200(Definitions), F.A.C.]
2. Unconfined Particulate Matter. No person shall cause, let, permit, suffer or allow the emissions of unconfined particulate matter from any activity, including vehicular movement; transportation of materials; construction; alteration; demolition or wrecking; or industrially related activities such as loading, unloading, storing or handling; without taking reasonable precautions to prevent such emissions. Reasonable precautions to prevent emissions of unconfined particulate matter at this facility include: [Rule 62-296.320(4)(c), F.A.C.]
 - a. Maintain trafficked areas clean. Post a sign to limit vehicle speeds to 10 miles per hour.
 - b. Exercise good housekeeping practices at all times.
 - c. Paving or maintenance of roads, parking areas, and yards.
 - d. Application of asphalt, water, oil, chemicals or other dust suppressants to unpaved roads, yards, and open stock piles, as necessary.
 - e. Removal of particulate matter from roads and other paved areas under control of the owner or operator to prevent reentrainment and from building or work areas to prevent particulates from becoming airborne, as necessary.
3. Annual Operating Report. The permittee shall submit an annual report that summarizes the actual operating rates and emissions from this facility. Annual operating reports shall be submitted to the Compliance Authority by April 1st of each year. [Rule 62-210.370(3), F.A.C.]
4. 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.]
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. As requested by the permittee, in order to limit the potential to emit for Hazardous Air Pollutants (HAP), the HAP, as defined in Rule 62-210.200, F.A.C., emissions shall be less than 10 tons for any individual HAP and less than 25 tons for any combination of HAPs in any 12 consecutive month period. [Rules 62-212.300, 62-210.200, and 62-4.070(3), F.A.C. and Permit No. 0571209-004-AC]

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SPECIFIC CONDITIONS:

7. 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(185), 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) The handling of any new material not identified in this permit.

8. 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 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.]

9. The permittee shall submit all compliance related notifications and reports required of this permit to the Environmental Protection Commission of Hillsborough County at:

Environmental Protection Commission
Air Management Division
3629 Queen Palm Dr.
Tampa, FL 33619
Telephone: 813/627-2600, Fax: 813/627-2660

10. 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.]

11. No more than one diesel fired generator rated at 418 HP shall be used to power the aggregate conveying system. [Rule 62-4.070(3), F.A.C.]

12. Visible emissions from the generator shall not be equal to or greater than 20% opacity. [Rule 62-296.320(4)(b)1., F.A.C. and Ch. 1-3.52.1. of the Rules of the EPCHC]

13. As requested by the permittee, EU No. 025 is allowed to operate continuously (i.e. 8,760 hours/year). [Rules 62-4.070(3), F.A.C.]

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SPECIFIC CONDITIONS:

14. Test EU No. 025 for visible emissions within 30 days of startup and annually thereafter once per federal fiscal year (October 1 – September 30). The visible emissions test shall be performed at the point of highest opacity. The test shall be at least 30 minutes in duration. [Rules 62-297.310(7)(a)1. and 4., F.A.C.]

15. Compliance with the emission limitations of Specific Condition No. 12 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 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. [Rule 62-297.310, F.A.C.]

16. Testing of emissions shall be conducted with the source operating at capacity. Capacity is defined as 90-100% of 418 horsepower (HP). 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. The test report shall include the maximum horsepower achieved during the compliance test. Failure to submit the actual operating conditions may invalidate the test. [Rules 62-4.070(3) and 62-297.310(2)(b), F.A.C.]

17. The owner or operator shall notify 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 test contact person who will be responsible for coordinating and having such test conducted. [Rule 62-297.310(7)(a)9., F.A.C.]

18. Submit two copies of any test data to the Air Compliance Section of the Air Management Division of the Environmental Protection Commission of Hillsborough County within forty-five days of such testing. Test procedures shall be consistent with the requirements of Rule 62-297.310, F.A.C. [Rule 62-297.310(8)(b), F.A.C.]

19. In order to demonstrate compliance with Specific Condition Nos. 6 and 11, the permittee shall maintain a monthly recordkeeping system for the most recent five 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: [Rule 62-4.070(3), F.A.C.]

- a. Month, Year
- b. Monthly hours of operation for the generator
- c. Twelve month rolling total of a. above

20. In order to demonstrate that EU No. 025 continues to meet the definition of a nonroad engine and is exempt from 40 CFR 60 Subpart IIII and 40 CFR 63 Subpart ZZZZ, the permittee shall maintain records which document that the engine is not located at any single location for more than 12 consecutive months,

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SPECIFIC CONDITIONS:

through operating logs that note every time the engine was relocated. These records shall be made available to the Environmental Protection Commission of Hillsborough County, state or federal air pollution agency upon request and shall be maintained for the most recent five year period. [40 CFR 60.4200, 40 CFR 63.6585, 40 CFR 1068.30, and Rule 62-4.070(3), F.A.C.]

21. 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 compliance testing of the generator 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

