



TECHNICAL EVALUATION  
AND  
PRELIMINARY DETERMINATION  
FOR

Titan America, LLC

Hillsborough County

Air Construction Permit

Application Number

0571290-010-AC

Environmental Protection Commission of

Hillsborough County

Tampa, FL

January 3, 2013

## I. Project Description

### A. Applicant:

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

### B. Engineer:

Brad James, P.E.  
Trinity Consultants  
53 Perimeter Center East, Suite 230  
Atlanta, GA 30346

### C. Project and Location:

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 project has been assigned NEDS Source Classification Code No. 2-02-001-02 - Internal Combustion Engines, Industrial, Distillate Oil (Diesel), Reciprocating. The Standard Industrial Code for the project is 50 – Wholesale Trade, Durable Goods. The project is located at 4219 Maritime Blvd., Tampa, FL 33605. UTM Coordinates of the location are 17-359.94E and 3087.81N.

### D. Process and Controls:

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 product 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. The facility will handle a maximum of 600,000 tons/year of aggregate material.

The engine is subject to the requirements of Rule 62-296.320(4)(b)1., F.A.C. and Ch. 1-3.52(1) of the Rules of the EPCHC, which limits opacity to 20%. Also, the 418 HP engine meets the definition of a nonroad engine pursuant to 40 CFR 1068.3 because it is portable, and it will not remain at a location, which is any single site at a building, structure, facility, or installation, for more than 12 consecutive months. Therefore, the engine is exempt from the requirements of 40 CFR 60 Subpart IIII and 40 CFR 63 Subpart ZZZZ pursuant to 40 CFR 60.4200 and 40 CFR 63.6585, respectively.

In addition, the facility previously operated five 440 HP engines, one 575 HP engine, one 1280 HP engine, and one 475 HP engine. The engines were previously used at the facility to power the ship unloading of cement materials operation. All of these engines are diesel fuel fired engines and are located on a barge. Because these engines are located on a barge that is capable of being moved from one location to another, the engines can be considered nonroad engines provided that the engines are not operated at Titan America's facility. Therefore, the five 440 HP engines, the one 480 HP engine, the one 1200 HP engine, and the one 475 HP engine are exempt from the requirements of 40 CFR 60 Subpart IIII and 40 CFR 63 Subpart ZZZZ pursuant to 40 CFR 60.4200 and 40 CFR 63.6585, respectively.

#### E. Application Information:

Received on: December 19, 2013

Information Requested: N/A

Application Complete: December 19, 2013

## II. Rule Applicability

This project is subject to the preconstruction review requirements of Chapter 403, Florida Statutes, Chapters, 62-204, 62-210, 62-212, 62-296, and 62-297, Florida Administrative Code (F.A.C.) and Chapter 1-3 of the Rules of the Environmental Protection Commission of Hillsborough County.

This project is subject to the requirements of Rule 62-212.300, General Preconstruction Review Requirements, F.A.C., since the project is not exempt from the permit requirements in Rule 62-210.300, F.A.C.

This project is not subject to the requirements of Rule 62-212.400, Prevention of Significant Deterioration, F.A.C. or Rule 62-212.500, New Source Review for Non-attainment Areas, F.A.C., since the facility is a PSD minor source and this project does not result in a major modification.

This project is subject to the requirements of Rule 62-296.320, General Pollutant Emission Limiting Standards, F.A.C., since the project is a potential source of particulate matter (PM) emissions.

This project is not subject to the requirements of Rule 62-296.401, through 62-296.480, Specific Emission Limiting and Performance Standards, F.A.C., since there is no applicable source specific category in this rule.

This project is not subject to the requirements of Rule 62-296.500, Volatile Organic Compounds and Nitrogen Oxides Reasonably Available Control Technology, F.A.C., since there is no applicable source specific category in this rule.

This project is not subject to the requirements of Rule 62-296.600, Reasonably Available Control Technology - Lead, F.A.C., since there is no applicable source specific category in this rule.

This project is not subject to the requirements of Rule 62-296.700, Reasonably Available Control Technology – Particulate Matter, F.A.C., since there is not an applicable source specific category in this rule. However, the facility is subject to Rule 62-296.711, F.A.C. - Materials Handling, Sizing, Screening, Crushing and Grinding Operations.

The facility is not subject to the requirements of Rule 62-204.800, Federal Regulations Adopted by Reference, F.A.C., since there is no applicable source specific category in this rule.

This project is subject to the requirements of Chapter 84-446, Laws of Florida and Chapter 1-3, Rules of the Environmental Protection Commission of Hillsborough County.

### III. Summary of Emissions

EU No. 025 – 418 HP engine

Pollutant	Potential Emissions (TPY)	Actual Emissions (TPY)	Emissions Increase (TPY)	Allowable Emissions
CO	2.5	0	2.5	
NOx	19.0	0	19.0	
PM	0.2	0	0.2	20% opacity
SO <sub>2</sub>	3.8	0	3.8	
VOC	4.5	0	4.5	

- Actual Emissions are zero because the unit has not begun operation.
- Potential Emissions for NOx, CO, and PM are based on manufacturer's information.
- Potential PM Emissions for SO<sub>2</sub> and VOC are based on emission factors from AP 42, 5<sup>th</sup> Edition, Ch. 3.3 – Gasoline and Diesel Industrial Engines, Table 3.3-1.

### IV. Conclusions:

The emission limits proposed by the applicant will meet all of the requirements of Chapters 62-204, 62-210, 62-212, 62-296, and 62-297, F.A.C., and Chapter 1-3, Rules of the Commission.

The General and Specific Conditions listed in the proposed permit (attached) will assure compliance with all the applicable requirements of Chapters 62-204, 62-210, 62-212, 62-296, and 62-297, F.A.C.

### V. Proposed Agency Action:

Pursuant to Section 403.087, Florida Statutes and Rule 62-4.070, Florida Administrative Code the Environmental Protection Commission of Hillsborough County hereby gives notice of its intent to issue a permit for construction of the aforementioned air pollution source in accordance with the draft permit and its conditions as stipulated (see attached).

CERTIFIED MAIL

In the Matter of an  
Application for Permit by:

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

File No.: 0571290-010-AC  
County: Hillsborough

INTENT TO ISSUE

The Environmental Protection Commission of Hillsborough County (EPC), as delegated by the Florida Department of Environmental Protection (DEP) gives notice of its intent to issue a permit (copy attached) for the proposed project as detailed in the application specified above, for the reasons stated below.

The applicant, Titan America, LLC, located at 4219 Maritime Blvd., Tampa, FL, Hillsborough County, FL, 33605 applied on December 20, 2013 to the permitting authority for a construction permit to replace two 324 HP diesel fuel fired engines with one 418 HP 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 EPC has permitting jurisdiction under Chapter 403 Florida Statutes (F.S.) and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210 and 62-212. The project is not exempt from permitting procedures. The EPC has determined that an air pollution construction permit is required to commence or continue operations at the described facility.

The EPC intends to issue this permit based on the belief that reasonable assurances have been provided to indicate that operation of the source will comply with the appropriate provisions of Florida Administrative Code (F.A.C.) Chapters 62-204 through 62-297 and 62-4.

Pursuant to Section 403.815 and Rule 62-110.106(7)(a)1., F.A.C, you (the applicant) are required to publish at your own expense the enclosed Notice of Intent to Issue Permit. The notice

shall be published one time only within 30 days of receipt of this Intent to Issue, in the legal advertisement section of a newspaper of general circulation in the area affected. For the purpose of this rule, "publication in a newspaper of general circulation in the area affected" means publication in a newspaper meeting the requirements of Sections 50.011 and 50.031, F.S., in the county where the activity is to take place. Where there is more than one newspaper of general circulation in the county, the newspaper used must be one with significant circulation in the area that may be affected by the permit. If you are uncertain that a newspaper meets these requirements, please contact the EPC at the address or telephone number listed below. **The applicant shall provide proof of publication to the EPC, Air Permitting Section, at 3629 Queen Palm Drive, Tampa, Florida 33619 (Phone 813-627-2600 - FAX 813-627-2660) within 7 (seven) days of publication, pursuant to Rule 62-110.106(5), F.A.C.** Failure to publish the notice and provide proof of publication within the allotted time may result in the denial of the permit pursuant to Rule 62-110.106(9)&(11), F.A.C.

The EPC will issue the final permit with the attached conditions unless a timely petition for an administrative hearing is filed pursuant to Section 120.569 and 120.57 F.S. before the deadline for filing a petition. The procedures for petitioning for a hearing are set forth below.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received) in the Legal Department of the EPC at 3629 Queen Palm Drive, Tampa, Florida 33619, Phone 813-627-2600, Fax 813-627-2602. Petitions filed by the permit applicant or any of the parties listed below must be filed within 14 (fourteen) days of receipt of this notice of intent. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S. must be filed within 14 (fourteen) days of publication of the public notice or within 14 (fourteen) days of receipt of this notice of intent, whichever occurs first. Under Section 120.60(3), however, any person who asked the EPC for notice of agency action may file a petition within 14 (fourteen) days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above, at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S.; or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

A petition that disputes the material facts on which the EPC's action is based is required to contain the following information:

- (a) The name and address of each agency affected and each agency's file or identification number if known;
- (b) The name, address, and telephone number of the petitioner and the name, address, and telephone number of each petitioner's representative, if any, which shall be the address for service purposes during the course of the proceedings; and an explanation of how the petitioner's substantial interests will be affected by the EPC's determination;
- (c) A statement of how and when the petitioner received notice of the EPC action;

- (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
- (e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the EPC's proposed action;
- (f) A statement of specific rules or statutes that the petitioner contends requires reversal or modification of the EPC's proposed action, including an explanation of how the alleged facts relate to the specific rules or statutes; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the EPC to take with respect to the EPC's proposed action.

A petition that does not dispute the material facts upon which the EPC's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above as required by Rule 28-106.301, F.A.C.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the EPC's final action may be different from the position taken by it in this notice of intent. Persons whose substantial interests will be affected by any such final decision of the EPC on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation under section 120.573, F.S. is not available in this proceeding.

This action is final and effective on the date filed with the Clerk of the EPC unless a petition is filed in accordance with above. Upon the timely filing of a petition, this order will not be effective until further order of the EPC.

In addition to the above, a person subject to regulation has a right to apply to the Department of Environmental Protection for a variance from or waiver of the requirements of particular rules, on certain conditions, under Section 120.542, F.S. The relief provided by this state statute applies only to state rules, not statutes, and not to any federal regulatory requirements. Applying for a variance or waiver does not substitute or extend the time for filing a petition for an administrative hearing or exercising any other right that a person may have in relation to the action proposed in this notice of intent.

The application for a variance or waiver is made by filing a petition with the Office of General Counsel of the Department of Environmental Protection, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, FL 32399-3000. The petition must specify the following information:

- (a) The name, address, and telephone number of the petitioner,
- (b) The name, address, and telephone number of the attorney or qualified representative of the petitioner, if any,
- (c) Each rule or portion of a rule from which a variance or waiver is requested,
- (d) The citation to the statute underlying (implemented by) the rule identified in (c) above,
- (e) The type of action requested,
- (f) The specific facts that would justify a variance or waiver for the petitioner,
- (g) The reason by the variance or waiver would serve the purposes of the underlying statute

(implemented by the rule), and

(h) A statement whether the variance or waiver is permanent or temporary and, if temporary, a statement of the dates showing the duration of the variance or waiver requested.

The Department will grant a variance or waiver when the petition demonstrates both that the application of the rule would create a substantial hardship or violate principles of fairness, as each of the those terms is defined in Section 120.542(2), F.S., and that the purpose of the underlying statute will be or has been achieved by other means by the petitioner.

Persons subject to regulation pursuant to any federally delegated or approved air program should be aware that Florida is specifically not authorized to issue variances or waivers from any requirements of any such federally delegated or approved program. The requirements of the program remain fully enforceable by the Administrator of United States Environmental Protection Agency and by any person under the Clean Air Act unless and until the Administrator separately approves any variance or waiver in accordance with the procedures of the federal program.

Any person listed below may request to obtain additional information, a copy of the application (except for information entitled to confidential treatment pursuant to Section 403.111, F.S.), all relevant supporting materials, and all other materials available to the EPC that are relevant to the permit decision. Interested persons may contact Diana M. Lee, P.E., at the above address or call (813) 627-2600, for additional information.

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 EPC's Legal Office at 3629 Queen Palm Drive, Tampa, Florida 33619 and 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 thirty days after this order is filed with the clerk of the Department.

Executed in Tampa, Florida

ENVIRONMENTAL PROTECTION COMMISSION  
OF HILLSBOROUGH COUNTY

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Richard D. Garrity, Ph.D.  
Executive Director

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

ENVIRONMENTAL PROTECTION COMMISSION  
OF HILLSBOROUGH COUNTY  
NOTICE OF INTENT TO ISSUE PERMIT

The Environmental Protection Commission of Hillsborough County (EPC), as delegated by the Florida Department of Environmental Protection (DEP), gives notice of its intent to issue air pollution Permit No. 0571290-010-AC to Titan America, LLC, located at 4219 Maritime Blvd., Tampa, FL, Hillsborough County, FL, 33605. This permit 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. 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..

A Best Available Control Technology (BACT) determination was not required.

The EPC will issue the Final permit with the conditions of the DRAFT permit unless a timely petition for an administrative hearing is filed pursuant to Sections 120.569 and 120.57, F.S. before the deadline for filing a petition. The procedures for petitioning for hearing are set forth below.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received) in the Legal Department of the EPC at 3629 Queen Palm Drive, Tampa, Florida 33619, Phone 813-627-2600, Fax 813-627-2602. Petitions filed by the permit applicant or any of the parties listed below must be filed within 14 (fourteen) days of receipt of this notice of intent. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S. must be filed within 14 (fourteen) days of publication of the public notice or within 14 (fourteen) days of receipt of this notice of intent, whichever occurs first. Under Section 120.60(3), however, any person who asked the EPC for notice of agency action may file a petition within 14 (fourteen) days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above, at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205 of the F.A.C.

A petition that disputes the material facts on which the EPC's action is based must contain the following information:

- (a) The name and address of each agency affected and each agency's file or identification number if known;
- (b) The name, address, and telephone number of the petitioner, and the name, address, and telephone number of each petitioner's representative, if any, which shall be the address for service purposes during the course of the proceedings; and an explanation of how the petitioner's substantial interests will be affected by the agency determination;
- (c) A statement of how and when petitioner received notice of the EPC action;
- (d) A statement of all disputed issues of material fact. If there are none, the petition must so

indicate;

(e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the EPC proposed action;

(f) A statement of specific rules or statutes the petitioner contends requires reversal or modification of the EPC's proposed action; and

(g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the EPC to take with respect to the EPC's proposed action.

A petition that does not dispute the material facts upon which the EPC's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above as required by Rule 28-106.301.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the EPC's final action may be different from the position taken by it in this notice of intent. Persons whose substantial interests will be affected by any such final decision of the EPC on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation under section 120.573, F.S. is not available in this proceeding.

This action is final and effective on the date filed with the Clerk of the EPC unless a petition is filed in accordance with above. Upon the timely filing of a petition this order will not be effective until further order of the EPC.

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 EPC's Legal Office at 3629 Queen Palm Drive, Tampa, Florida 33619 and 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 thirty days after this order is filed with the clerk of the Department.

The complete project file is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at the Environmental Protection Commission of Hillsborough County, 3629 Queen Palm Drive, Tampa, Florida 33619. The complete project file includes the proposed Permit, the application, and the information submitted by the responsible official, exclusive of confidential records under Section 403.111, F.S. Interested persons may contact Diana M. Lee, P.E., at the above address, or call 813-627-2600, for additional information. Any written comments filed shall be available for public inspection. If written comments received result in a significant change in the proposed agency action, the EPC shall revise the proposed permit and require, if applicable, another Public Notice.

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

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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 3, 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

Permit/Certification No.: 0571290-010-AC  
Project: Aggregate Handling System Engine

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 1<sup>st</sup> 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]

PERMITTEE:  
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Project: Aggregate Handling System Engine

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 and 19.7 gallons/hr of diesel fuel 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) and 19.7 gallons per hour of diesel fuel. 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. Monthly diesel fuel usage for the generator (gallons)
- d. Monthly average fuel usage rate using b. and c. above (gallons/hr)
- e. Twelve month rolling total of b and c. above

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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. 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

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Richard D. Garrity, Ph.D.  
Executive Director

