

TECHNICAL EVALUATION  
AND  
PRELIMINARY DETERMINATION  
FOR

Titan America, LLC

Hillsborough County

Air Construction Permit

Application Number

0571290-013-AC

Environmental Protection Commission of

Hillsborough County

Tampa, FL

September 26, 2014

## I. Project Description

### A. Applicant:

John Crawford  
Director of Environmental  
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 construction of two additional railcar and truck unloading lines at a concrete raw material terminal and aggregate handling facility. In addition, this permit increases the hourly railcar and truck unloading rate from 100 tons/hour to 200 tons/hour.

The project has been assigned NEDS Source Classification Code No. 3-05-102-02 – Industrial Processes, Mineral Products, Bulk Materials Storage Bins, Cement. 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 facility receives concrete raw materials by ship, railcar, and truck. Concrete raw materials is defined as Portland cement Types I, II, III, IV, V, white cement, masonry cement, flyash, slag cement, natural and synthetic gypsum, lime, cement kiln dust, natural pozzolana, and artificially produced pozzolana materials.

During railcar and truck unloading, concrete raw materials are pneumatically transferred using the railcar and truck unloading lines. The existing unloading line transfers material to either the filter/receiver or directly to the two interstitial silos. The two new unloading lines will transfer the material into the filter/receiver. The filter/receiver then directs the material to the four main silos and/or the two interstitial silos. The three unloading lines can be used simultaneously and are located on the south side of Silo No. 4.

The material is pneumatically unloaded from the railcars and trucks using air from the railcar and truck's onboard pumps and/or electrical powered compressors located in the silo structure. When material is directed to the filter/receiver, PM emissions are controlled by a 25,000 DSCFM F.L. Schmidt, Model No. 398FR12(6), jet pulse baghouse. When material is transferred directly to

the two interstitial silos, PM emissions are controlled by each silo's 1,790 DSCFM F.L. Schmidt Airtech, Model No. 48DS8FM, jet pulse baghouse.

This project is subject to Rule 62-296.711, F.A.C. - Materials Handling, Sizing, Screening, Crushing and Grinding Operations and Ch. 1-3.52, Rules of the EPCHC, which limit PM emissions to 0.03 gr/dscf and 5% opacity.

E. Application Information:

Received on: September 22, 2014

Information Requested: N/A

Application Complete: September 22, 2014

## 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 synthetic minor facility by state definition.

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 source of particulate matter (PM) emissions.

This project is not subject to the requirements of Rule 62-296.401, through 62-296.470, 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 subject to the requirements of Rule 62-296.700, Reasonably Available Control Technology – Particulate Matter, F.A.C., since there is an applicable source specific category in this rule, specifically, 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.	Potential PM Emissions (TPY)	Actual PM Emissions (TPY)	PM Emissions Increase (TPY)	Allowable Emissions
001	28.2	1.1	27.1	0.03 gr/dscf and 5% opacity

- Actual Emissions are based on the average of 2012 and 2013 AOR data.
- Potential Emissions are based on the baghouse airflow rate of 25,000 dscfm, 8,760 hours/year operation, and an emission factor of 0.03 gr/dscf.

### 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  
Titan America, LLC  
455 Fairway Dr.  
Deerfield Beach, FL 33441

File No.: 0571290-013-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, applied on September 22, 2014 to the permitting authority for a permit to construct two additional railcar and truck unloading lines, which will be used to transfer cement materials into the filter/receiver. Particulate matter emissions from the unloading operation are controlled by baghouses. The facility, a synthetic minor Non-TV source, is located at 4219 Maritime Blvd., Tampa, FL, Hillsborough County, FL, 33605.

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

cc: Florida Department of Environmental Protection (posting online)

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. 0571290-013-AC to Titan America, LLC, to construct two additional railcar and truck unloading lines. Particulate matter emissions from the unloading operation are controlled by baghouses. The facility, a synthetic minor Non-TV source, is located at 4219 Maritime Blvd., Tampa, FL, Hillsborough County, FL, 33605.

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  
Titan America, LLC  
455 Fairway Dr.  
Deerfield Beach, FL 33441

Dear Mr. Crawford:

Enclosed is Permit Number 0571290-013-AC for the construction of two additional railcar and truck unloading lines, 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.: 0571290-013-AC  
County: Hillsborough  
Expiration Date: September 30, 2015  
Project: Railcar and Truck Unloading

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 construction of two additional railcar and truck unloading lines at a concrete raw materials and aggregate handling facility. The facility receives concrete raw materials by ship, railcar, and truck. Concrete raw materials is defined as Portland cement Types I, II, III, IV, V, white cement, masonry cement, flyash, slag cement, natural and synthetic gypsum, lime, cement kiln dust, natural pozzolana, and artificially produced pozzolana materials.

During railcar and truck unloading, concrete raw materials are pneumatically transferred using the railcar and truck unloading lines. The existing unloading line transfers material to either the filter/receiver or directly to the two interstitial silos. The two new unloading lines will transfer the material into the filter/receiver. The filter/receiver then directs the material to the four main silos and/or the two interstitial silos. The three unloading lines can be used simultaneously and are located on the south side of Silo No. 4.

The material is pneumatically unloaded from the railcars and trucks using air from the railcar and truck's onboard pumps and/or electrical powered compressors located in the silo structure. When material is directed to the filter/receiver, PM emissions are controlled by a 25,000 DSCFM F.L. Schmidt, Model No. 398FR12(6), jet pulse baghouse. When material is transferred directly to the two interstitial silos, PM emissions are controlled by each silo's 1,790 DSCFM F.L. Schmidt Airtech, Model No. 48DS8FM, jet pulse baghouse.

Location: 4219 Maritime Blvd., Tampa, FL 33605

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

Emission Unit No.: EU 001 - Filter/Receiver

References Permit Nos.: 0571290-009-AC

PERMITTEE:  
Titan America, LLC

Permit/Certification No.: 0571290-013-AC  
Project: Railcar and Truck Unloading

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(2), 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. 0571209-009-AC]
7. When used in this permit the term Concrete Raw Materials is defined as Portland Cement Types I, II, III, IV, V, white cement, masonry cement, flyash, slag cement, natural and synthetic gypsum, lime, cement kiln dust, natural pozzolana, and artificially produced pozzolana materials. [Rule 62-4.070(3), F.A.C. and Permit No. 0571209-009-AC]
8. Each baghouse shall have a device capable of monitoring the pressure differential across the baghouse. The monitoring device shall be maintained in working order and shall be calibrated and adjusted to indicate the true value of the pressure drop with sufficient accuracy to allow the pressure drop to be determined within 10% of its true value. [Rules 62-4.070(3) and 62-297.310(5)(a) and (b), F.A.C.]
9. The baghouses controlling the source under this permit shall be kept in good repair. [Rule 62-4.070(3), F.A.C.]
10. The permittee shall not allow any person to circumvent any pollution control device or allow the emissions of air pollutants without the applicable air pollution control device operating properly. [Rule 62-210.650, F.A.C.]
11. Excess emissions which are caused entirely or in part by poor maintenance, poor operation, or any

PERMITTEE:  
Titan America, LLC

Permit/Certification No.: 0571290-013-AC  
Project: Railcar and Truck Unloading

SPECIFIC CONDITIONS:

other equipment or process failure which may reasonably be prevented during startup, shutdown, or malfunction shall be prohibited. [Rule 62-210.700(4), F.A.C.]

12. 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.]

13. Submit two copies 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.]

14. 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.]

15. 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) Use covers or wind shields at the shiphold, as necessary, to meet the opacity standard.
- B) Attend to major operational upsets promptly and effectively. Stop operation, if necessary.
- C) Curtail operations during high wind conditions, if necessary.
- D) On days when the equipment is in use, inspect the screw auger and screw conveyor for visible emissions daily. Record any problems and actions taken.
- E) Maintain trafficked areas clean. Post a sign to limit vehicle speeds to 10 miles per hour.
- F) Exercise good housekeeping practices at all times.
- G) Paving or maintenance of roads, parking areas, and yards.
- H) Application of asphalt, water, oil, chemicals or other dust suppressants to unpaved roads, yards, and open stock piles, as necessary.
- I) Removal of particulate matter from roads and other paved areas under control of the owner or operator to prevent re-entrainment and from building or work areas to prevent particulates from becoming airborne, as necessary.
- J) Each conveyor transfer point shall have enclosures to ensure compliance with the 5% opacity standard.

PERMITTEE:  
Titan America, LLC

Permit/Certification No.: 0571290-013-AC  
Project: Railcar and Truck Unloading

SPECIFIC CONDITIONS:

16. 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) The handling of any new material not identified in this permit.

17. If the permittee wishes to transfer this permit to another owner, an "Application for Transfer of 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.]

18. The permittee shall submit to the Environmental Protection Commission of Hillsborough County each calendar year, a completed DEP Form 62-210.900(5), "Annual Operating Report (AOR) for Air Pollutant Emitting Facility", for the preceding calendar year. The AOR shall be submitted by April 1 of the following year. [Rule 62-210.370(3), F.A.C.]

19. The maximum throughput of concrete raw materials shall not exceed 750,000 tons per any twelve consecutive month period. [Rule 62-4.070(3), F.A.C. and Permit No. 0571290-009-AC]

20. The maximum combined unloading rate from railcars and trucks into the silos shall not exceed 200 tons/hour. [Rule 62-4.070(3), F.A.C. and Permit Application Received September 22, 2014]

21. All three railcar and truck unloading lines may be operated simultaneously. [Rule 62-4.070(3), F.A.C. and Permit Application Received September 22, 2014]

22. The filter/receiver shall be in operation during the silo(s) filling operation and during the transfer of concrete raw materials. [Rule 62-4.070(3), F.A.C. and Permit No. 0571290-009-AC]

23. The maximum potential and allowable particulate matter emissions shall not exceed the following per any twelve consecutive month period: [Rule 62-296.711(2), F.A.C. and Permit No. 0571290-009-AC]

PERMITTEE:  
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Project: Railcar and Truck Unloading

SPECIFIC CONDITIONS:

<u>EU No. and Description</u>	<u>Control Equipment</u>	<u>Control Equipment Model No.</u>	<u>DSCFM</u>	<u>Pollutant</u>	<u>Potential Emissions (Tons/yr)</u>	<u>Allowable Emissions</u>
001 - Filter/Receiver	F.L. Schmidt Jet Pulse Baghouse	398FR12(6)	25,000	PM	28.2	0.03 grains/dscf

24. Emission Unit No. 001 is authorized to operate continuously (8,760 hours/year). [Rules 62-4.070(3) and 62-210.200(PTE), F.A.C. and Permit No. 0571290-009-AC]

25. The permittee shall not cause, permit, or allow any visible emissions (5% opacity) from Emission Unit No. 001. [Rule 62-296.711(2), F.A.C. and Permit No. 0571290-009-AC]

26. Test the railcar and/or truck unloading operation, at the filter/receiver baghouse exhaust while all three unloading lines are in operation, the first time after completion of construction for visible emissions. Submit two copies of the test data to the Air Management Division of the Environmental Protection Commission of Hillsborough County within forty-five days of such testing. Testing procedures shall be consistent with the requirements of Rule 62-297.310, F.A.C. [Rule 62-297.310 and 62-4.070(3), F.A.C.]

27. Testing of emissions shall be conducted with the source operating at capacity. Capacity is defined as 90-100% of a gauge pressure of 12 psi while unloading railcars and trucks and all three unloading lines are in operation. 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 unloading rates, the baghouse pressure drops, and the unloading pressure gauge. 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.]

28. Compliance with the emission limitations of Specific Condition No. 25 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.]

29. In order to demonstrate compliance with Specific Condition Nos. 19, 20, and 23, the permittee shall maintain a monthly recordkeeping system for the most recent three year period. However, the facility should maintain daily records and make them available upon request. 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-

PERMITTEE:  
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SPECIFIC CONDITIONS:

4.070(3) and 62-213.440(1)(b)2.b., F.A.C.]

- A) Month, Year
- B) Type of unloading operation (i.e., ship unloading, railcar or truck unloading)
- C) Amount and type of material unloaded (tons)
- D) Hours of operation of each Emission Unit
- E) Twelve month rolling total of C) and D) above

30. 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 testing of the railcar and truck unloading operation 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

