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Scott Emery, Ph.D.

#### CERTIFIED MAIL

In the Matter of an  
Application for Permit by:

George Pantazopoulos  
Vice President Cement Pozzolans and Aggregates  
Titan Florida, LLC  
455 Fairway Drive #200  
Deerfield Beach, FL 33441

File No.: 0571326-005-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, Separation Technologies, LLC, applied on July 3, 2014, to the EPC for an air construction permit to revise the potential PM and NOx emissions and reduce the testing frequency of the emission units at their flyash beneficiation facility. In addition, this permit incorporates the approved alternate sampling procedure, ASP Request 14-K-AP, which authorizes the use of EPA Method 320 to determine total ammonia concentrations at the inlet and outlet of the ammonia catalytic oxidation system.

The EPC has permitting jurisdiction under Chapter 403 Florida Statutes (F.S.) and Florida Administrative Code (F.A.C.) Chapters 62-4 and 62-210. 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 403.0872, F.S. and Rules 62-103.150 and 62-210.350(3), F.A.C., you (the applicant) are required to publish at your own expense the enclosed Notice of Intent to Issue

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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.

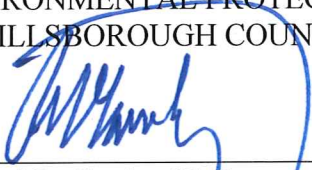
Persons subject to regulation pursuant to any federally delegated or approved air program should be aware that Florida is specifically not authorized to issue variances or waivers from any requirements of any such federally delegated or approved program. The requirements of the program remain fully enforceable 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 Dr., 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

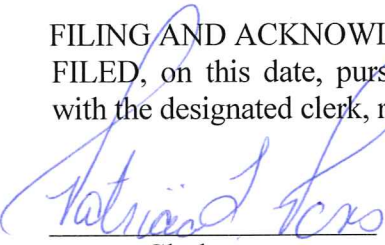
cc: Florida Department of Environmental Protection, Southwest District (posting online)  
Robert A. Velasco, P.E. - Tampa Electric Company (via email)  
Kevin Brooks - Separation Technologies, LLC (via email)  
Kelly Folsom - Titan America (via email)

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 8/14 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.

 8/14  
Clerk Date



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ENVIRONMENTAL PROTECTION COMMISSION OF  
HILLSBOROUGH COUNTY, as Delegated by

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

NOTICE OF PERMIT

George Pantazopoulos  
Vice President Cement Pozzolans and Aggregates  
Titan Florida, LLC  
455 Fairway Drive #200  
Deerfield Beach, FL 33441

Dear Mr. Pantazopoulos:

Enclosed is Permit Number 0571326-005-AC to revise the potential PM and NOx emissions and reduce the testing frequency of the emission units at the flyash beneficiation facility, 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 Dr., Tampa, Florida 33619; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date this Notice is filed with the clerk of the EPC.

Executed in Tampa, Florida.

Sincerely,

**DRAFT**

Richard D. Garrity, Ph.D.  
Executive Director

RDG/LAW/law

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Titan Florida, LLC  
Deerfield Beach, FL 33441

Page Two

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Robert A. Velasco, P.E. - Tampa Electric Company (via email)  
Kevin Brooks – Separation Technologies, LLC (via email)  
Kelly Folsom – Titan America (via email)

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT 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.

**DRAFT**

\_\_\_\_\_  
Clerk

\_\_\_\_\_  
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# DRAFT

**PERMITTEE:**

Separation Technologies, LLC  
Big Bend Station  
13151 Wyandotte Road  
Gibson, FL 33535

**PERMIT/CERTIFICATION**

Permit No.: 0571326-005-AC  
County: Hillsborough  
Expiration Date: February 8, 2015  
Project: Revise PM and NOx emissions

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: (1) increases the PM outlet grain loading limit on the baghouses; (2) increases the facility wide PM PTE; (3) increases the facility NOx emissions; and (4) modifies the testing requirements for the emission units at a flyash handling, storage, beneficiation, and loadout facility adjacent to the Tampa Electric Company (TEC) Big Bend Power Station. Separation Technologies (ST) removes residual carbon and ammonia from raw flyash generated at TEC Big Bend. The resultant low carbon, low ammonia, high mineral product flyash (ProAsh®) is marketed to ready-mix concrete producers as a cement substitute. The high carbon by-product material (EcoTherm) is utilized by area cement kilns as a fuel and mineral feed substitute.

The flyash processing facility consists of three systems: (1) Raw Feed Flyash Handling and Carbon Separation, (2) Ammonia Removal (Beneficiation), and (3) Product Storage and Loadout. Raw flyash is primarily received directly from TEC's coal-fired electrical-generating units through pneumatic piping, although ST is capable of receiving flyash via truck. The flyash is delivered into an enclosed feed ash storage dome controlled by a 7,305 DSCFM IAC, Model No. 56PE-BVI-196, baghouse.

The material is then transferred from the dome by two reclaim pumps, each controlled by an identical 400 DSCFM IAC, Model No. 72TB-BVI-25, baghouse, to one of two separator surge bins (Separator A and Separator B). Separator A is controlled a 2,848 DSCFM Z and Z Conveying Technology, Model No. CF 48-41.5(6)-20, baghouse. Separator B is controlled a 1,574 DSCFM Z and Z Conveying Technology, Model No. CF 48-41.5(6)-20, baghouse. The flyash is then passed through the respective separator line.

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PERMITTEE:  
Separation Technologies, LLC  
SPECIFIC CONDITIONS:

PERMIT/CERTIFICATION NO.: 0571326-005-AC  
PROJECT: Revise PM and NOx emissions

and evaluating the facility as part of that Title V source. Promulgation of a federal NESHAP standard affecting this operation may require a permit evaluation and/or revisions of ST and TEC's operating permits. [Rule 62-210.200(Facility) and (Major Stationary Source), and 62-4.070(3), F.A.C. and Permit No. 0571326-003-AC]

ENVIRONMENTAL PROTECTION COMMISSION  
OF HILLSBOROUGH COUNTY

***DRAFT***

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Richard D. Garrity, Ph.D.  
Executive Director