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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,

Richard D. Garrity, Ph.D.
Executive Director

RDG/LAW/law

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Roger P. Stewart Center

3629 Queen Palm Drive, Tampa, FL 33619 - (813) 627-2600 - www.epchc.org

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Deerfield Beach, FL 33441

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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

This is to certify that this NOTICE OF PERMIT and all copies were mailed before the close of business on 9/22/14 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.

Kenna Burkulis 9/22/14
Clerk Date

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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

status of this facility as a “support facility” for Tampa Electric Company’s (TEC) Big Bend Power Station 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]

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