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ENVIRONMENTAL PROTECTION COMMISSION OF
HILLSBOROUGH COUNTY, as Delegated by

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

NOTICE OF PERMIT

Aaron Herwig
President
Florida Silica Sand Company
2962 Trivium Circle-Suite 106
Ft. Lauderdale, FL 33312

Re: Hillsborough County Air Permitting

Dear Mr. Herwig:

Enclosed is Permit Number 0571446-001-AC for the construction of an industrial sand drying and handling 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 Drive, 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/SN/sn

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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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cc: Florida Department of Environmental Protection (via email)
Robert A. Jones, P.E. – RJones Engineering (via email)

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT ISSUANCE and all copies were mailed before the close of business on 9/25/15 to the listed persons.

FILING AND ACKNOWLEDGEMENT FILED, on this date, pursuant to Section 120.52(7), Florida Statutes, with the clerk, receipt of which is hereby acknowledged.

Patricia J. Vera 9/25/15
Clerk Date

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PERMITTEE:

Florida Silica Sand Company
1705 Sammonds Road
Plant City, FL 33563

PERMIT/CERTIFICATION

Permit No: 0571446-001-AC
County: Hillsborough
Expiration Date: June 1, 2016
Project: Sand Drying and Handling

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 of hereof and specifically described as follows:

Raw sand will be brought on-site from local sand pits by dump trucks with an estimated moisture content between 3-7%. Sand will then be delivered into a hopper by a front end-loader and conveyed at a capacity of 80 tons/hr, to a natural gas fired ADM rotary sand dryer (Model #D5424). The sand dryer will be fueled by a natural gas burner rated at 27MM BTU/hr. Particulate matter (PM) emissions from the rotary sand dryer will be controlled by a 20,000 ACFM Ultra Industries, Inc. baghouse (Model #BD-225-120-II). A temperature sensor will monitor the exit temperature of the dryer to ensure it remains below the 250° F design temperature of the baghouse. Dried sand will then be conveyed from the dryer to a scalper screener, which will remove the larger undesirable particles (pebbles, etc.) from the sand. The screened material will discharge into a bucket elevator that will feed into a second screener designed to screen out the large sand size particles (#6 mesh to greater than #20 mesh), which will then be conveyed to the storage silos. Sand particles smaller than #20 mesh will discharge into a second bucket elevator that will feed the third sand screener, which will separate the sand to a size less than #45 mesh. The screened sand material will then be conveyed to the storage silos.

Sand from the various silos will be mixed in accordance to customer specifications with varying percentages of sand particle sizes. The mixed sand will either be loaded into; (1) trucks (bulk, flatbed or enclosed), or (2) super sacks (2,000 - 4,000 lb.), or (3) packed in 50 lb. bags. The PM emissions from the screeners, bucket elevators, conveyors and bagging operation will be controlled by a 5,000 ACFM Ultra Industries, Inc., baghouse (Model #BD-81-100-III). All conveyors will be partially enclosed. The facility will have a total of 8 storage silos ((2) Black Beauty and (6) dry silica sand), one truck load out, and 4 sand bag fill systems. The emissions from the silos are controlled by dual bin vents (100 and 224 ACFM, Ultra Industries, Inc. Models BB-4-58-IIG and BB-9-58-IIG dust collectors, respectively).

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PERMITTEE:
Florida Silica Sand Company

PERMIT/CERTIFICATION NO.: 0571446-001-AC
PROJECT: Sand Drying and Handling

SPECIFIC CONDITIONS:

24. 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.]

25. A minimum of two copies of an air operating permit application shall be submitted, along with an O&M Plan for the baghouses controlling emissions from EU Nos. 001 and 002, to the Environmental Protection Commission of Hillsborough County within 60 days of completion of the compliance tests or at least 90 days prior to the expiration date of this permit, whichever occurs first. [Rules 62-4.050(2) and 62-4.090, F.A.C.]

ENVIRONMENTAL PROTECTION COMMISSION
OF HILLSBOROUGH COUNTY



Richard D. Garrity, Ph.D.
Executive Director