

EXPIRED: 08/28/2011

RECEIVED

CONCRETE BATCHING PLANT
AIR GENERAL PERMIT REGISTRATION FORM

SEP 08 2011

BUREAU OF
AIR REGULATION

Part II. Notification to Permitting Office

(Detach and submit to appropriate permitting office; keep copy onsite)

Instructions: To give notice to the Department of an eligible facility's intent to use this air general permit, the owner or operator of the facility must detach and complete this part of the Air General Permit Registration Form and submit it to the appropriate Department of Environmental Protection or local air pollution control program office which has permitting authority. Please type or print clearly all information, and enclose the appropriate air general permit registration processing fee pursuant to Rule 62-4.050, F.A.C. (\$100 as of the effective date of this form)

0310540-002

Registration Type

Check one:

INITIAL REGISTRATION - Notification of intent to:

- Construct and operate a proposed new facility.
- Operate an existing facility not currently using an air general permit (e.g., a facility proposing to go from an air operation permit to an air general permit).

RE-REGISTRATION (for facilities currently using an air general permit) - Notification of intent to:

- Continue operating the facility after expiration of the current term of air general permit use.
- Continue operating the facility after a change of ownership.
- Make an equipment change requiring re-registration pursuant to Rule 62-210.310(2)(e), F.A.C., or any other change not considered an administrative correction under Rule 62-210.310(2)(d), F.A.C.

Surrender of Existing Air Operation Permit(s) - For Initial Registrations Only

If the facility currently holds one or more air operation permits, such permit(s) must be surrendered by the owner or operator upon the effective date of this air general permit. In such case, check the first box, and indicate the operation permits being surrendered. If no air operation permits are held by the facility, check the second box.

- All existing air operation permits for this facility are hereby surrendered upon the effective date of this air general permit; specifically permit number(s): _____
- No air operation permits currently exist for this facility.

General Facility Information

Facility Owner/Company Name (Name of corporation, agency, or individual owner who or which owns, leases, operates, controls, or supervises the facility.)

Florida Roads Materials, LLC

Site Name (Name, if any, of the facility site; e.g., Plant A, Metropolis Plant, etc. If more than one facility is owned, a registration form must be completed for each.)

Jacksonville Plant

Facility Location (Provide the physical location of the facility, not necessarily the mailing address.)

Street Address:

City:

Jacksonville

County:

Duval

Zip Code:

32226-

Facility Start-Up Date (Estimated start-up date of proposed new facility.) (N/A for existing facility) 2320

N/A

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L. J. J. III

Owner/Authorized Representative

Name and Position Title (Person who, by signing this form below, certifies that the facility is eligible to use this air general permit.) Print Name and Title: <u>J. Richard Baker Owner</u>		
Owner/Authorized Representative Mailing Address Organization/Firm: <u>Florida Roads Materials, LLC</u> Street Address: <u>10439 Alta Dr.</u> City: <u>Jacksonville</u> County: <u>Duval</u> Zip Code: <u>32226</u>		
Owner/Authorized Representative Telephone Numbers Telephone: <u>904-714-0041</u> Fax: <u>904-714-0160</u> Cell phone (optional):		

Facility Contact (If different from Owner/Authorized Representative)

Name and Position Title (Plant manager or person to be contacted regarding day-to-day operations at the facility.) Print Name and Title: <u>James McKinney - Plant Manager</u>		
Facility Contact Mailing Address Organization/Firm: <u>Florida Roads Materials, LLC</u> Street Address: <u>10439 Alta Dr.</u> City: <u>Jacksonville</u> County: <u>Duval</u> Zip Code: <u>32226</u>		
Facility Contact Telephone Numbers Telephone: <u>904-714-1717</u> Fax: <u>904-714-3661</u> Cell phone (optional):		

Owner/Authorized Representative Statement

This statement must be signed and dated by the person named above as owner or authorized representative

I, the undersigned, am the owner or authorized representative of the owner or operator of the facility addressed in this Air General Permit Registration Form. I hereby certify, based on information and belief formed after reasonable inquiry, that the facility addressed in this registration form is eligible for use of this air general permit and that the statements made in this registration form are true, accurate and complete. Further, I agree to operate and maintain the facility described in this registration form so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof.

I will promptly notify the Department of any changes to the information contained in this registration form.

Signature J. Richard Baker Date May 27, 2011

Type of Facility

Check one:

Stationary Facility

Relocatable Facility

Type(s) of Reasonable Precautions Used to Prevent Unconfined Emissions

Check all precautions to be used for the management of roads, parking areas, stock piles and yards:

Pave Roads

Pave Parking Areas

Pave Yards

Maintain Roads/Parking/Yards

Use Water Application

Use Dust Suppressant

Remove Particulate Matter

Reduce Stock Pile Height

Install Wind Breaks

Check all precautions to be used for the management of drop points to trucks:

Spray Bar

Chute

Enclosure

Partial enclosure

Description of Reasonable Precautions

Below, or as an attachment to this form, provide details of all types of reasonable precautions to be used to prevent unconfined emissions at the facility.

- ① Cement + Flyash received by truck, pneumatically pumped into water-tight silo. Equipped with baghouse. Bags shaken & inspected on regular basis, checking for clogging and cleaned and/or replaced as necessary.
- ② Entire concrete plant area paved w/ concrete & washed down w/ water daily to control dust.
- ③ Sprinklers on rock and aggregate delivery area.
- ④ Cement and aggregates fed by gravity system to scale. Dust boots checked regularly & replaced as necessary.
- ⑤ Dust collector @ delivery to concrete truck area. Inspected regularly. Bags replaced & cleaned as necessary.
- ⑥ Visible Emissions Testing yearly by Astech Environmental Services.

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Description of Facility

Below, or as an attachment to this form, provide a description of the concrete batching plant operations at the facility in sufficient detail to demonstrate the facility's eligibility for use of this air general permit and to provide a basis for tracking any future equipment or process changes at the facility. Describe all air pollutant-emitting processes and equipment at the facility, and identify any air pollution control measures or equipment used.

3,500 cu. ft. Cement Storage Silo with batcher

3,500 cubic foot capacity fabricated from 3/16" steel plate welded inside and out, roof constructed with rain overhang, 50 degree cone with 8 air pads mounted and plumbed complete with 6" clean-out inspection port. Discharge has slide-type manually operated emergency shut-off gate and butterfly discharge valve. Quick latch manhole on roof, 5" diameter fill pipe to within 4'-0" of grade, turbulence box with pop-off valve. Caged silo roof access ladder, silo roof handrails. One (1) high bin signal with light box and horn, model DCS-260 dust collector. Cement Batcher, 117 cu.ft. water level capacity, 3/16" plate construction, two (2) air pads mounted and plumbed, butterfly discharge valve controlled by a solenoid operated air cylinder with inching control capabilities, pneumatic vibrator, discharge valve open/closed position monitoring switch. Four (4) 3,000 lb. load cells, scale test weight lugs and model DCS-14 batcher vent.

Auxiliary Silo with Screw Conveyor

2,200 cubic foot capacity 550 barrels fabricated 3/16" steel plate welded inside and out, roof constructed with rain overhang. Cone is 50 degree with 6" clean-out inspection port at discharge point.

Eight (8) air pads mounted and plumbed to a manifold segment per compartment with single solenoid activated valve, 1/2" low pressure regulator with 0-60 P.S.I. gauge. Air piping of air cylinders and wiring of solenoid valves is provided to extent of shipping limitations. 3/4" mist separator and ambient dryer per compartment. Slide-type emergency shut-off gate, 1-1/4" diameter pipe handrails with toebars along roof perimeter, quick latch manhole cover on roof per compartment, turbulence box with pop-off valve each compartment and 5" diameter fill pipe to within 4'-0" of grade each compartment. Silo structure designed with straight leg structure. Safety caged ladder from grade to silo roof. 12" diameter x 20'-0" tubular screw complete with schedule 10 tubular casing on all screw conveyors, "TEFC" electric motor, 460v, 60Hz, 3 ph with motor starter and wiring in tray cable for 460 volt operation. Direct drive speed reducer with gear box and splined output shaft. Motor mounts off reducer creating a self-contained drive package at inlet of screw conveyor. Helicoid screw flighting with 1/2 pitch at inlet for first 4' of conveyor and has splined hanger and end bearings. Conveyor is equipped with radial ball inlet & outlet spout with companion flange to mate with material handling equipment. 10" butterfly discharge valve controlled by a solenoid electric activated valve and has vinyl connector with clamps for discharge end of screw conveyor and field mounted weld on ring.

Truck Dust Control System

C & W model RA-120 with reverse air technology with two (2) compartment collector fabricated from 10 gauge corrugated steel and includes 5'-0" tall access doors, 5,000 cfm blower powered by a 10 hp TEFC motor. High volume, low pressure reverse air control mechanism. Forty eight (48) x 8" diameter x 114" long silicone coated Dacron polyester snap-in bags providing 955 square foot of cloth area. Enclosure comes complete with OSHA catwalks, guardrails and ladders.