



# Florida Department of Environmental Protection

Bob Martinez Center  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Charlie Crist  
Governor

Jeff Kottkamp  
Lt. Governor

Michael W. Sole  
Secretary

March 26, 2008

Mr. Kermit H. George, P.E.  
Integrated Engineering Solutions  
Milton Concrete Batch Plant  
114 East Cedar Avenue  
Crestview, Florida 32536

Dear Mr. George:

This is to acknowledge that your notification of intent to use the authority of Rule 62-210.310 to operate your facility was received on February 20, 2008. We have assigned ARMS No. 7775494-001 to this facility.

As you know, pursuant to Florida Statutes section 403.814, authority to operate under general permits commences thirty days after receipt of the registration form unless you have been notified by this office that your facility has not shown entitlement to operate pursuant to the rule provisions.

For your information, authority to operate pursuant to Rule 62-210.310 expires after 5 years. Therefore, a new registration form must be received no later than 5 years after the date your notice was received as indicated above. If your general permit rule conditions require testing, such testing must be completed within the time frame specified in the rule.

If you have any additional questions, please contact Dickson Dibble at 850/921-9586.

Sincerely,

A handwritten signature in cursive script that reads "Sandra F. Veazey".

Sandra F. Veazey, Chief  
Bureau of Air Monitoring  
and Mobile Sources

SFV/pg

cc: Mr. Armando Sarasua, Northwest District

RECEIVED  
FEB 22 2008  
Bureau of Air Quality Management

**CONCRETE BATCHING PLANT  
AIR GENERAL PERMIT REGISTRATION FORM**

**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)

7775494-001

**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.)  
B & H Contracting, Inc.

**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.)  
Milton Concrete Batch Plant

**Facility Location** (Provide the physical location of the facility, not necessarily the mailing address.)  
Street Address: Da Lisa Road  
City: Milton County: Santa Rosa Zip Code: 32583

**Facility Start-Up Date** (Estimated start-up date of proposed new facility.) (N/A for existing facility)  
March 20, 2008

**Owner/Authorized Representative**

<b>Name and Position Title</b> (Person who, by signing this form below, certifies that the facility is eligible to use this air general permit.) Print Name and Title: Kermit H. George, P.E.		
<b>Owner/Authorized Representative Mailing Address</b> Organization/Firm: Integrated Engineering Solutions Street Address: 114 E. Cedar Avenue City: Crestview County: Okaloosa Zip Code: 32536		
<b>Owner/Authorized Representative Telephone Numbers</b> Telephone: 850-682-4269 Fax: 850-689-1271 Cell phone (optional):		

**Facility Contact (If different from Owner/Authorized Representative)**

<b>Name and Position Title</b> (Plant manager or person to be contacted regarding day-to-day operations at the facility.) Print Name and Title:		
<b>Facility Contact Mailing Address</b> Organization/Firm: Street Address: City: County: Zip Code:		
<b>Facility Contact Telephone Numbers</b> Telephone: Fax: 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: Kermit H. George Date: 2/19/08

**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:

<input type="checkbox"/> <b>Pave Roads</b>	<input type="checkbox"/> <b>Pave Parking Areas</b>	<input type="checkbox"/> <b>Pave Yards</b>
<input checked="" type="checkbox"/> <b>Maintain Roads/Parking/Yards</b>	<input checked="" type="checkbox"/> <b>Use Water Application</b>	<input type="checkbox"/> <b>Use Dust Suppressant</b>
<input checked="" type="checkbox"/> <b>Remove Particulate Matter</b>	<input checked="" type="checkbox"/> <b>Reduce Stock Pile Height</b>	<input type="checkbox"/> <b>Install Wind Breaks</b>

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

<input type="checkbox"/> <b>Spray Bar</b>	<input checked="" type="checkbox"/> <b>Chute</b>	<input type="checkbox"/> <b>Enclosure</b>
	<input type="checkbox"/> <b>Partial enclosure</b>	

**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.

See attached for unconfined emissions prevention details.

**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.

**Equipment list for Ready Mix Plant:**

- One Conveyor
- ✓ One Hopper
- ✓ One Loading Bay
- ✓ One Silo/Batcher
- One Aggregate Weighing Container

See attached checklist for pollution control measures.

# Pollution Abatement Guidelines for BHC Concrete Batch Plants

This checklist is a guide for BHC Concrete plant operators to assist in establishing and maintaining a pollution abatement plan for plants that store, measure and transfer concrete constituents into trucks for transport to a job site. Raw materials include sand, aggregate, cement and water for concrete batching. Particulate matter and stormwater runoff are primary pollutants of concern. Point source emissions are a result of the transfer of material to silos. Fugitive sources include the transfer of sand and aggregate, truck loading, mixer loading, vehicle traffic, and wind erosion from sand and aggregate storage piles. Potential batching plant wastewater and stormwater pollutants include cement, sand, aggregates, chemical additive mixtures, fuels and lubricants. Dust prevention equipment may include water sprays, enclosures, hoods, curtains, shrouds, movable and telescoping chutes, fabric filters, etc. Plant operators are encouraged to evaluate waste reduction opportunities based upon their facility's individual operations.

## EMPLOYEE EDUCATION

1. Employees are trained to:
  - a. Recognize and minimize environmental hazards.
  - b. Handle/transfer raw materials (sand, sand, aggregate, cement, water) in a manner to reduce particulate emissions and wastewater runoff.
  - c. Clean equipment/vehicle in a manner to reduce airborne particles/wastewater runoff.
  - d. Clean vehicles before transporting materials off-site.
  - e. Use dry clean-up whenever possible.
  - f. Dispose of/recycle leftover cement properly.
2. We have outlined and explained to our staff and employees what pollution prevention and waste minimization are and requested to identify site pollution prevention activities.
3. Regular employee meetings are held to discuss changes or on-going equipment practices and procedures.

## General Site Operations/Maintenance

- Locate/operate stationary CBP equipment, stockpiles and plant vehicles at least 25 feet from any property line
- Maintain all equipment, including dust/particulate collection equipment, according to manufacturer's recommendations to prevent leaks
- Identify a buffer zone surrounding the operation in which to contain primary dust generating activities
- Maintain stockpiles inside buffer zone within walled bunkers which extend at least two feet above the top of the unload line
- Use a totally enclosed system for the loading, unloading, handling, transfer or storage of cement, pulverized flyash and/or other dusty raw materials
- Keep a routine maintenance log on-site of all equipment/filter systems, recording date and time of all corrective actions
- Provide integrated quality, safety and environmental management systems for the site, operation of the plant, and delivery process

### **Storage Silos**

- Vent all cement/flyash storage silos and weigh hoppers to a fabric, baghouse or cartridge filter system.
- Identify the cause of all visible emissions and take corrective action immediately
- Monitor filter systems to identify when cleaning/replacement is necessary
- Regularly check for tears or leaks in fabric/cartridge filter systems and suction shroud
- Choose filter systems designed to meet at least 0.01gr/dscf outlet
- Check all filter systems and mixer/truck loading control devices for visible emissions daily during plant operations
- Provide sufficient lighting near cement and/or flyash silo filter exhausts to observe visible emissions performance during fills that occur during non-daylight hours
- Totally enclose all silo conveying systems and maintain operations with no tears or leaks
- Monitor storage silo conveying systems for visible emissions and correct the cause of visible emissions immediately
- Install audible and visual high-level alarms on all storage silos to avoid overfilling and possible filter damage
- Use silos to store all materials capable of generating dust (cement, pulverized flyash, etc.)
- Connect the "high-level" alarm indicator to an automatic delivery shut down to prevent overfilling
- Install test circuits on all alarms to test prior to each silo fill
- Maintain alarms in "working order" at all times
- Fit all silo and weighing scale vents with fabric filtering systems to collect dust
- Check the seating of all silos' pressure relief valves and reseal if necessary, before each delivery

### **Raw Materials**

- Substitute at least 15% to 35% flyash for cement in concrete mixes.

### **Mixer Feed Operations**

- Vent the cement/flyash weigh hopper inside the batch mixer
- Use a spray device to prevent dust/visible emissions at the mixer feed
- Use a pickup device that delivers air to a filter to prevent dust emissions at the mixer feed
- Use an enclosed batch mixer feed to prevent dust and visible emissions at the mixer feed

### **Material Handling/Storage**

- Use ground stockpiling only when there is sufficient buffer area surrounding the plant
- Enclose stockpiles on at least the top and 3 sides

### **Conveyors**

- Provide scrapers at the turning points of all conveyors to prevent dust collection on the belt surface
- Arrange conveyors delivering to material stockpiles in a way to minimize free fall

### **Loading/Mixing Operations**

- Load concrete trucks in a way to minimize airborne dust emissions
- Vent all airborne dust emissions generated by material loading/mixing operations to fabric filtering systems
- Provide equipment necessary to clean all concrete trucks and other vehicles after loading and before exit from the property to wash off any dust and/or mud deposited on the wheels and/or vehicle body
- Plan with the concrete truck driver exactly where rinsing can be done. Avoid locations where run-off will get into topsoil or flow into surface water.

### **Housekeeping**

- Sweep site regularly to remove dust buildup
- Clean up all spillages or deposits of materials on ground immediately
- Use dry clean-up methods whenever practical (sweeping, dust collection vacuum, wiping, etc.)
- Instruct staff and drivers to never dump any materials in open areas

### **Fabric Filters**

- Service and maintain fabric filters according to manufacturer's recommendations
- Provide adequate access to the filters to allow for regular inspection and maintenance
- Record on a weekly basis in a maintenance log book:
  - Pressure drop
  - Visual conditions of exhaust material
  - Incidents of filter media failure/replacement

### **Road and Yard Dust**

- Minimize dust emissions due to vehicle travel by:
  - Site layout and design
  - Vehicle wheel cleaning before leaving the site (wheel and truck wash facilities at site exits)
  - Posted vehicle speed limits
  - Avoid using plant operational vehicles within 25 feet of any property line, except for entry and exit to the site
  - Application of a thin layer of high quality pavement over road surface
  - Chemical suppressant products (several options available)
  - Vegetative barriers
  - Use dust-preventative barriers or vegetative buffers along roads and other traffic/work areas within your specified buffer zone

### **Fugitive Dust**

- If water sprays or dust suppression agents must be used to reduce dust, use application equipment and techniques that minimize water and material usage
- Receive aggregate material in a damp condition
- Use belt cleaning devices at the conveyor head to reduce spillage
- Conduct all material mixing operations within an effective enclosure (walls, screens, dust guards, tarps)



### **Fugitive Dust (continued)**

- Enclose mixer loading areas on two or three sides
- Enclose weigh bins and hoppers on three sides and roof where a front-end loader is used
- Clean up any raw material spills by dry sweeping. Water should not be used in the process of cleaning up spills except where the area drains to an effective wastewater collection point.

### **Waste Concrete**

- Collect waste concrete in a suitable washout pit where it becomes gravel, sand and sludge, which can subsequently be collected and reused
- Offer waste sediment, sludges and fines as fill material, gravel road stabilizer, or landfill cover
- Use waste concrete on-site for construction purposes (e.g. bunker blocks, paving unsealed areas, fill around buildings, parking lot and driveway aggregate). Checking with local permitting agency for roadway requirements.
- Use commercially available delayed set admixtures designed to keep leftover mix truck concrete in liquid form to be added to the next batch of mix

### **Wheel Washes**

- Locate wheel washes that provide a sufficient track-out distance before exit from the property
- Minimize off-property track-out by providing a large aggregate or paved roadway immediately after the wheel wash within property boundaries

### **Waste Water**

- Wherever feasible, divert clean stormwater (e.g. roof run-off) away from contaminated areas
- Use berms or curbs around truck loading areas, aggregate piles, truck washing stations, drum and chute wash-out areas, and chemical staging areas to capture contaminated stormwater and process wastewater
- Use site grading and porous paving to improve storm water handling from the general plant site
- Design a wastewater collection and recycling system to collect contaminated water from:
  - Agitator washout
  - Truck washing
  - Yard washdown
  - Contaminated stormwater
  - Concrete batching area
  - Slump stand
  - Any other wastewater from the batching plant operation
- Direct process wastewater and contaminated stormwater from the entire site to an on-site settling pond, or series of ponds.
- Protect storm drain inlets from waste concrete/dust runoff
- Develop a routine yard and equipment maintenance program to considerably reduce the potential for discharge of sediment to wastewater collection and recycling system



114 E. Cedar Avenue · Crestview, FL 32536 · Tel: 850.682.4269 · Fax: 850.689.1271 · www.inteng.biz

February 19, 2008

FDEP  
Mr. Dick Dibble  
3800 Commonwealth Boulevard  
MS 77  
Tallahassee, FL 32399

RECEIVED  
FEB 22 2008  
Bureau of Air Monitoring  
& Mobile Sources

Dear Mr. Dibble:

Enclosed is the Air Registration Permit Registration Form for the proposed Milton Concrete Batch Plant with a check for \$100, an original *Agent of Authorization* form and the *Pollution Abatement Guidelines for BHC Concrete Batch Plants* as an attachment.

Please call me if you have any questions at 850-682-4269 or [bess@inteng.biz](mailto:bess@inteng.biz).

Sincerely,

Bess Thompson  
Administrative Assistant

Enclosure

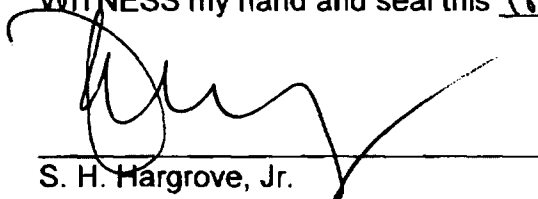
3755  
2272

2008 FEB 20 AM 9:11  
REVENUE

# AUTHORIZATION OF AGENT

I, S. H. Hargrove, Jr., President of B & H Contracting, Inc., hereby authorize Kermit H. George, P.E., and Integrated Engineering Solutions, LLC. in Crestview, Florida, to act as my agent for the purpose of submitting applications for the development of a Concrete Batch Plant in Santa Rosa County , Florida.

WITNESS my hand and seal this 18<sup>th</sup> day of Feb, 2008.


  
\_\_\_\_\_  
S. H. Hargrove, Jr.

State of Alabama

County of Covington

Before me, a notary public for and in the State of Alabama, appeared S. H. Hargrove, Jr., known to me/identified by \_\_\_\_\_ and he has subscribed to the foregoing instrument and acknowledged the execution of this instrument to be of his own free will for the purpose mentioned therein.

WITNESS my hand and official seal this 18<sup>th</sup> day of Feb, 2008.

  
\_\_\_\_\_  
Notary Public Com expires 2/7/09

SEAL



**Florida Department of Environmental Protection  
Cash Receiving Application (CRA)  
Cashlisting by Deposit #: 281471 thru 281471  
Printed: 2/21/2008 8:05:07 AM - Page 8**

Cashlisting: 66826 Cashlist Area: 3755 Description: DIV OF AIR RESOURCES MGMT.  
Deposit No: 281471 Date Deposited: 02/20/2008 Contact: E. WALKER

Object	Transmittal	Dep DDN	Receipt Number	Pre-Numbered Receipt	Name	Check Number	Payment Amount	Reference Account	Payment Number	Remittance Number	Fund
002272	47085		616269		KELLY FOLSOM	130	\$100.00		862349	766197	PFTF
	47085		616271		INTEGRATED ENGINEERING SOLUTIO	10406	\$100.00		862352	766199	PFTF
	47085		616270		INTEGRATED ENGINEERING SOLUTIO	10405	\$100.00		862351	766198	PFTF
<b>Object Code 002272 Subtotal:</b>							\$300.00				
002275	47077	480726	616175		ST. VINCENT'S MEDICAL CENTER	0575379	\$250.00	0310068	862326	766103	APCTF
	47077	480727	616176		SPURLIN INDUSTRIES, INC.	01761	\$2,475.00	0050057	862327	766104	APCTF
	47077	480732	616181		TWIN VEE, INC.	9119	\$803.20	1110111	862337	766109	APCTF
<b>Object Code 002275 Subtotal:</b>							\$3,528.20				
002278	47077	480730	616179		GLENNCO CONSTRUCTION CO, INC.	12777	\$300.00	47561	862335	766107	APCTF
	47077	480731	616180		ARIZONA CHEMICAL	3813000891	\$200.00	47557	862336	766108	APCTF
<b>Object Code 002278 Subtotal:</b>							\$500.00				
<b>Cashlisting 66826 Total:</b>							\$4,328.20				

*2/28/2008 - CCB  
7775494-001*

Wachovia Bank - IES 5004/Milton Concrete Batch Plant

100.00

fedex.com 1.800.GoFedEx 1.800.463.3339

RECIPIENT: PEEL HERE

Date 2/19/08 FedEx Tracking Number 864233653640

Sender's Name Ross Thompson Phone 850 682-4267

Company INTEGRATED ENG SOLUTIONS LLC

Address 114 CEDAR AVE

City CRESTVIEW State FL ZIP 32536-2734

2 Your Internal Billing Reference # 5004

3 To Recipient's Name Dick Dibble Phone 850 921-9586

Company FDEP

Recipient's Address 3800 Commonwealth Blvd, MST7

Address

City Tallahassee State FL ZIP 32399

0373267897



8642 3365 3640

FedEx Priority Overnight, FedEx Standard Overnight, FedEx First Overnight, FedEx 2Day, FedEx Express Saver

4b Express Freight Service Packages over 150 lbs. FedEx 1Day Freight, FedEx 2Day Freight, FedEx 3Day Freight

5 Packaging FedEx Envelope, FedEx Pak, FedEx Box, FedEx Tube, Other

6 Special Handling SATURDAY Delivery, HOLD Weekday at FedEx Location, HOLD Saturday at FedEx Location

Does this shipment contain dangerous goods? One box must be checked. No, Yes, Dry Ice, Cargo Aircraft Only

7 Payment Bill to: Enter FedEx Acct. No. or Credit Card No. below. Obtain Recip. Acct. No. Sender, Recipient, Third Party, Credit Card, Cash/Check

Total Packages, Total Weight, Credit Card Auth.

Our liability is limited to \$100 unless you declare a higher value. See the current FedEx Service Guide for details.

8 Residential Delivery Signature Options If you require a signature, check Direct or Indirect.

No Signature Required, Direct Signature, Indirect Signature

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