

# **CONCRETE BATCHING PLANTS** **INFORMATIONAL HANDOUT**



## **❖ What is the Purpose of the Air General Permit Registration Program?**

- The Department of Environmental Protection (DEP) has established an Air General Permit (AGP) under Rule 62-210.310(5)(b), Florida Administrative Code, (F.A.C.), for Concrete Batching Plants. By simply registering to “use” the AGP, the owner or operator of an eligible facility is allowed to construct and operate the facility under the terms and conditions of the AGP rule. There is no need for the owner or operator to incur the additional time and expense of applying for an individual air construction or air operation permit.

## **❖ Who is Eligible to use a Concrete Batching Plant AGP?**

- Eligible facilities must not emit more than ten tons per year of any listed hazardous air pollutant (HAP), twenty-five tons per year of any combination of HAPs, or 100 tons per year or more of any other regulated air pollutant.
- Eligible facilities must not operate any other emission units that would require an AO permit.
- Existing facilities with an AO permit may renew that permit or apply for the AG permit at least thirty days prior to the expiration date of the existing permit.

## **❖ How Do I Register or Re-register for a Concrete Batching Plant AGP?**

- To register, the owner/operator of an existing or new concrete batching plant may:
  - Use the Department’s online Air General Permit Electronic Registration System (AGPERS) found at <https://floridadep.gov/air/permitting-compliance/content/air-general-permits>; or
  - Download and complete the concrete batching plant registration worksheet found at <https://floridadep.gov/air/permitting-compliance/content/concrete-batching-plants> and

mail it to the Department at the address indicated in the worksheet instructions along with a \$100 registration processing fee.

- The registration and associated processing fee must be submitted to the Department at least thirty (30) days prior to the expiration date of an existing facility's authorization.
- For a new facility, the registration must be submitted at least thirty (30) days before intending to use the AGP rule authority.
- If certain changes occur at an existing concrete batching facility, the owner/operator must re-register for use of the AGP. Re-registration of the AGP is required for the following changes:
  - Change of ownership
    - The new owner/operator must submit a registration along with a fee of \$100.00, at least thirty (30) days before intending to use the AGP rule authority.
    - The current owner operator is encouraged to notify the Department prior to the sale of the facility.
  - Physical change in location
  - Proposed new construction
  - Modifications to equipment (installation of new process or air pollution equipment; alteration of existing process or control equipment; or replacement of existing process or control equipment with equipment substantially different in terms of capacity, method of operation, material processed, or intended use than that noted in the most recent registration form)

### ❖ **What is required by the Concrete Batching Plant AGP Rule?**

#### **General Requirements**

- This general permit is valid only for the specific activity indicated. Any deviation from the specified activity and the conditions for undertaking that activity shall constitute a violation of the permit.
- The facility must not emit objectionable odors.

- Use of the AG does not eliminate the necessity for the owner/operator or authorized representative to obtain any other federal, state, or local permits that may be required, or relieve the owner/operator or authorized representative from the duty to comply with any federal, state, or local requirements that may apply.

**Control Technology Requirements**

**1) Stack Emissions**

- Emissions from silos, weigh hoppers (batchers), and other enclosed storage and conveying equipment shall be controlled to the extent necessary to limit visible emissions to 5 percent opacity.

**2) Unconfined Emissions**

- The owner or operator shall take reasonable precautions to control unconfined emissions from hoppers, storage and conveying equipment, conveyor drop points, truck loading and unloading, roads, parking areas, stock piles, and yards by doing the following:

**a) Management of roads, parking areas, stock piles, and yards, which shall include one or more of the following:**

1. Paving and maintenance of roads, parking areas, and yards.
2. Application of water or environmentally safe dust-suppressant chemicals when necessary to control emissions.
3. Removal of particulate matter from roads and other paved areas under control of the owner or operator to mitigate reentrainment, and from building or work areas to reduce airborne particulate matter from stock piles.
4. Reduction of stock pile height or installation of wind breaks to mitigate wind entrainment of particulate matter from stock piles.

**b) Use of spray bar, chute, or partial enclosure to mitigate emissions at the drop point to the truck.**

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  - b) **Use of spray bar, chute, or partial enclosure to mitigate emissions at the drop point to the truck.**

### **Test Methods and Procedures**

- All emissions tests performed pursuant to the requirements of this subsection shall comply with the following requirements.
  - a) The reference test method for visible emissions is EPA Method 9, 40 CFR 60 Appendix A.
  - b) Test procedures that shall be followed are specified in Rule 62-297.310, F.A.C. and shall be reported to the Department.
  - c) Visible emissions test of silo dust collector exhaust points shall be conducted while loading the silo at a rate that represents the normal silo loading rate. The minimum loading rate shall be 25 tons per hour unless such a rate is unachievable in practice. If emissions from the weigh hopper (batcher) operation are also controlled by the silo dust collector, the batching operation shall be in operation during batching rate and duration. Each test report shall state the actual silo loading rate during

emissions testing and, if applicable, whether or not batching occurred during emissions testing.

- d) If emissions from the weigh hopper (batcher) operation are controlled by a dust collector which is separate from the silo dust collector, visible emissions tests of the weigh hopper (batcher) dust collector exhaust point shall be conducted while batching at a rate that is representative of the normal batching rate and duration. Each test report shall state the actual batching rate during emissions testing.

**☑ Record-keeping**

- The owners/operators of all collocated concrete batching plants and nonmetallic mineral processing plants shall maintain records to account for site-wide fuel consumption for each calendar month and each consecutive twelve months. These records shall be retained available for Department inspection for a period of at least five years.

**☑ Equipment Maintenance**

- All Concrete Batch Plant units shall be maintained in proper working order in accordance with the manufacturer's specifications to ensure the integrity and efficiency of the equipment.
- If a concrete batch unit contains a defect that affects the integrity or efficiency of the unit, the unit shall be taken out of service. The unit shall not be operated until it has been repaired or adjusted.
- A written plan containing operating procedures for startup, shutdown and malfunction shall be maintained and followed during those events.

**❖ Who do I contact regarding questions about AGPs and/or registration procedures?**

- Please contact the Department's Small Business Environmental Assistance Program by phone at 1-800-722-7457 or by email at [Small.Business@dep.state.fl.us](mailto:Small.Business@dep.state.fl.us).

**DISCLAIMER: This handout is for guidance purposes only. It is not official rule language and does not include a comprehensive listing of all environmental regulations that may be applicable to Concrete Batching Plants. Please refer to Rule 62-210.310(5)(b) for complete and up-to-date rule language.**