

## Air Quality Standard Permit for Concrete Batch Plants with Enhanced Controls

Effective Date August 16, 2004

This air quality standard permit authorizes concrete batch plant facilities which meet all of the conditions listed in sections (1) through (3).

### (1) Administrative Requirements

- (A) Any concrete batch plant authorized under this standard permit must be registered in accordance with 30 TAC § 116.611, Registration to Use a Standard Permit. Owners or operators must submit a completed current PI-1S-CBP, Table 20 and a Concrete Batch Plant with Enhanced Controls Standard Permit checklist and a scaled plot plan of the plant site. Facilities which meet the conditions of this standard permit do not have to meet the emissions and distance limitations listed in 30 TAC § 116.610(a)(1), Applicability.
- (B) Registration applications must comply with 30 TAC § 116.614 "Standard Permit Fees."
- (C) No owner or operator of a concrete batch plant is permitted to begin construction and/or operation without obtaining written approval from the executive director. The time period in 30 TAC § 116.611(b) (45 days) does not apply to facilities registering under this permit. Start of construction of any facility registered under this standard permit must comply with 30 TAC § 116.120 and commence construction within 18 months of written approval from the TCEQ.
- (D) Applicants are not required to submit air dispersion modeling as a part of any concrete batch plant standard permit application.
- (E) The following production records must be maintained on site for a rolling 24-month period while the plant is in operation:
  - (i) production rates for each hour of operation demonstrating compliance with (3)(H); and
  - (ii) other records as required by 30 TAC 101.201 and § 101.211.
- (F) For the purposes of this standard permit, a "site" is defined as one or more contiguous or adjacent properties which are under common control of the same person (or persons under common control).

### (2) Public Notice

- (A) An application for authorization to construct and operate a concrete batch plant under this standard permit is not subject to the public notice requirements in 30 TAC Chapter 39 Subchapters H & K.
- (B) For authorization to use this standard permit, an applicant must publish notice under this section not later than the earlier of:
  - (i) the 30th day after the date the applicant receives written notice from the executive director that the application is technically complete; or
  - (ii) the 75th day after the date the executive director receives the application.
- (C) The applicant must publish notice at least once in a newspaper of general circulation in the municipality in which the plant is proposed to be located or in the municipality nearest to the proposed location of the plant. If the elementary or middle school nearest to the proposed plant provides a bilingual education program as required by Subchapter B, Chapter 29, Education Code, the applicant must also publish the notice at least once in an additional publication of general circulation in the municipality or county in which the plant is proposed to be located that is published in the language taught in the bilingual education program. This requirement is waived if such a publication does not exist or if the publisher refuses to publish the notice.

- (D) The notice must include:
  - (i) a brief description of the proposed location and nature of the proposed plant;
  - (ii) a description, including a telephone number, of the manner in which the executive director may be contacted for further information;
  - (iii) a description, including a telephone number, of the manner in which the applicant may be contacted for further information;
  - (iv) the location and hours of operation of the commission's regional office at which a copy of the application is available for review and copying; and
  - (v) a brief description of the public comment process, including the time and location of the public hearing, and the mailing address and deadline for filing written comments.
- (E) The public comment period begins on the first date notice is published under Subsection (2)(B) and extends to the close of the public hearing.
- (F) A public hearing must be held not less than 30 days and not more than 45 days after the first date notice is published under Subsection (2)(B). The public hearing must be held in the county in which the plant is proposed to be located.
- (G) A public hearing held under this standard permit is not an evidentiary proceeding. Any person may submit an oral or written statement concerning the application at the public hearing.
- (H) Not later than the 35th day after the date the public hearing is held, the executive director will approve or deny the application for authorization to use the standard permit. The executive director must base the decision on whether the application meets the requirements of this standard permit. The executive director must consider all comments received during the public comment period and at the public hearing in determining whether to approve the application. If the executive director denies the application, the executive director must state the reasons for the denial and any modifications to the application necessary for the proposed plant to qualify for the authorization.
- (I) The executive director will issue a written response to any public comments received related to the issuance of an authorization to use the standard permit at the same time as or as soon as practicable after the executive director grants or denies the application. Issuance of the response after the granting or denial of the application does not affect the validity of the executive director's decision to grant or deny the application. The executive director will:
  - (i) mail the response to each person who filed a comment; and
  - (ii) make the response available to the public.

(3) Design and Operating Requirements

- (A) Each cement/flyash storage silo and weigh hopper must be equipped with a fabric or cartridge filter or vented to a fabric or cartridge filter system.
- (B) Fabric or cartridge filters and collection systems must meet all of the following:
  - (i) each fabric filter or cartridge filter, and its associated collection system, and any suction shroud must be maintained and operated properly with no tears or leaks;
  - (ii) excluding the suction shroud filter system, each filter system must be designed to meet an outlet grain-loading standard of at least 0.01 grains/dry standard cubic foot;
  - (iii) each filter system and each mixer-loading and batch truck-loading emissions control device must meet a performance standard of no visible emissions exceeding 30 seconds in a five-minute period as determined using United States Environmental Protection Agency Test Method 22 as that method existed on September 1, 2003;
  - (iv) if a cement or fly ash silo is filled during non-daylight hours, the silo filter system exhaust must be sufficiently illuminated to enable a determination of compliance with the performance standard described by (3)(B)(iii) of this permit;
- (C) Conveying systems for the transfer of cement or fly ash must meet all of the following:

- (i) the conveying system for the transfer of cement or fly ash to and from each storage silo must be totally enclosed, operated properly, and maintained without any tears or leaks; and
  - (ii) except during cement or fly ash tanker connection or disconnection, each conveying system for the transfer of cement or fly ash must meet the performance standard described in paragraph (3)(B)(iii) of this permit.
- (D) A warning device must be installed on each bulk storage silo.
  - (i) The warning device must be designed to alert the operator in sufficient time for the operator to stop loading operations before the silo is filled to a level that may adversely affect the pollution abatement equipment; and
  - (ii) if filling a silo results in failure of the pollution abatement system or failure to meet the performance standard described by paragraph (3)(B)(iii) of this standard permit, the failure must be documented and reported to the commission following the requirements of 30 TAC § 101.201 or § 101.211, as appropriate.
- (E) Each road, parking lot, or other area at the plant site that is used by vehicles must be paved with a cohesive hard surface that is properly maintained, cleaned, and watered so as to minimize dust emissions.
- (F) Each stockpile must be sprinkled with water or dust-suppressant chemicals or covered so as to minimize dust emissions.
- (G) Material used in the batch that is spilled must be immediately cleaned up and contained or dampened so as to minimize dust emissions.
- (H) The production of concrete at the site must not exceed 300 cubic yards per hour.
- (I) A suction shroud or other pickup device must be installed at the batch drop point or, in the case of a central mix plant, at the drum feed, and vented to a fabric or cartridge filter system with a minimum capacity of 5,000 cubic feet per minute of air.
- (J) The bag filter and capture system must be properly designed to accommodate the increased flow from the suction shroud and achieve a control efficiency of at least 99.5 percent.
- (K) The following distance limitations must be met:
  - (i) the suction shroud baghouse exhaust must be more than 100 feet from any property line;
  - (ii) stationary equipment, stockpiles, and vehicles used at the plant, except for incidental traffic and vehicles as they enter and exit the site, must be located or operated more than 100 feet from any property line; and
  - (iii) if the plant is located in an area that is not subject to municipal zoning regulation, the central baghouse must be located at least 440 yards from any building used as a single or multifamily residence, school, or place of worship at the time the standard permit registration is filed with the commission.
- (L) In lieu of meeting the distance requirements for roads and stockpiles of (3)(K)(ii), the following must be followed:
  - (i) each road, parking lot, and other traffic area is bordered by dust-suppressing fencing or another barrier at least 12 feet high; and
  - (ii) each stockpile located within the applicable distance of a property line is contained within a three-walled bunker that extends at least two feet above the top of the stockpile.