

Air Quality Standard Permit for Concrete Batch Plants Registration Checklist

This checklist is not required if using the PI-1S-CBP workbook to submit your application. We strongly encourage you to start using this new Excel version to improve your permitting timeline. It will be required starting on September 1, 2020. At that time, the PDF version of the PI-1S and this checklist will no longer be accepted for concrete batch plant standard permit registrations.

The following checklist has been developed so the Texas Commission on Environmental Quality (TCEQ), Air Permits Division (APD) can confirm that the concrete batch plant meets the standard permit requirements. Please read all questions and select YES, NO, N/A, or give specific information for the facility. If the concrete batch plant does not meet all conditions of this standard permit, it will not be allowed to operate under the standard permit and must apply for a case-by-case preconstruction permit as required under Title 30 Texas Administrative Code (TAC) §116.110. Sections 3 through 7 are requirements for all concrete batch plant standard permit applications. Sections 8, 9, and 10 are specific requirements required for either temporary, permanent, or specialty plants.

Facility Type		
Check the facility type authorized		
<input type="checkbox"/> Temporary Concrete Batch Plant (Complete Sections 3-7 and 8)		
<input type="checkbox"/> Permanent Concrete Batch Plant (Complete Sections 3-7 and 9)		
<input type="checkbox"/> Specialty Concrete Batch Plant (Comp Sections 3-7 and 10)		
Condition Number and Description		
(3) Administrative Requirements		
(3)(A)	Are the form PI-1S, Registrations for Air Standard Permit, Table 11, Fabric Filters, Table 20, Concrete Batch Plants attached?	<input type="checkbox"/> YES <input type="checkbox"/> NO
	If applicable, is Table 29 Reciprocating Engines attached?	<input type="checkbox"/> YES <input type="checkbox"/> NO
	Will copies of all information be mailed to the Air Permits Division, the TCEQ regional office, and all applicable local programs?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(3)(B)	Was the \$900 fee sent to the TCEQ Revenue Section? (The fee is not required if the facility meets the requirements of being in or adjacent to the right of way of a public works project.)	<input type="checkbox"/> YES <input type="checkbox"/> NO
(3)(C)	Has construction and/or operation begun on the facility?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(3)(G)	Will this facility qualify for relocation under section (8)(F)? (If yes, the facility will be exempt from public notice requirements in section (4) of this standard permit.)	<input type="checkbox"/> YES <input type="checkbox"/> NO
(3)(H)	Will construction commence within 18 months of written approval from the Executive Director in accordance with 30 TAC § 116.120(a)(1), Voiding of Permits?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(3)(J)	Will records be maintained and kept for a rolling 24 months?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(3)(K)	Will abatement equipment failure or emissions deviations in excess of paragraph (5)(B)(iii) be reported in accordance with 30 TAC Chapter 101, General Air Quality Rules as appropriate?	<input type="checkbox"/> YES <input type="checkbox"/> NO

**Air Quality Standard Permit for Concrete Batch Plants
Registration Checklist**

(4) Public Notice		
(4)	Will the public notice requirements be followed in accordance in 30 TAC Chapter 39, Public Notice?	<input type="checkbox"/> YES <input type="checkbox"/> NO
	<p>Is this a temporary facility that is exempt from public notice under 30 TAC § 116.178(b), Relocations and Changes of Location of Portable Facilities?</p> <p>If Yes, please provide a map indicating where the public works right of way is located and the location of the proposed plant. Also provide the name of the project or Texas Department of Transportation project number.</p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
(5) General Requirement		
(5)(A)	Will all cement/flyash storage silos, weigh hoppers, and auxiliary storage tanks be vented to a fabric/cartridge filter or a central fabric/cartridge filter system?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(5)(B)(i)	Will fabric/cartridge filters and collection systems be operated properly with no tears or leaks?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(5)(B)(ii)	Will filter systems (including any central filter system) be designed to meet a minimum control efficiency of at least 99.5 percent at particle sizes of 2.5 microns and smaller?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(5)(B)(iii)	Will all filter systems meet visible emissions performance standards?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(5)(B)(iv)	Will cement and/or flyash silo filter exhausts be equipped with sufficient illumination to observe visible emissions performance if filled during non-daylight hours?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(5)(C)(i)	Will conveying systems to and from the storage silos be properly operated, remain totally enclosed, and maintained with no tears or leaks?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(5)(C)(ii)	During cement/flyash storage silo filling, except for connecting or disconnecting, will you keep a standard of having no visible emissions for more than 30 seconds in any six-minute period from the conveying system?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(5)(D)	Is there an automatic shut-off or warning device installed on each bulk storage silo?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(5)(D)(i)	If an automatic shut-off device is installed, will it shut down the loading operations on each bulk storage silo or auxiliary storage tank prior to reaching capacity?	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A

Air Quality Standard Permit for Concrete Batch Plants Registration Checklist

(5) General Requirement (continued)		
(5)(D)(ii)	If a warning device is used, will it alert operators in sufficient time to prevent an adverse impact on the pollution abatement equipment or other parts of the loading operation?	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
	Do you regularly prevent particle build-up on visible warning devices?	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
(5)(D)(iii)	Will warning devices or shut-off systems be tested at least monthly during operations and records kept indicating test and repair results in accordance with Section (3)(J) of this standard permit?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(5)(E)	The following methods will be used to control emissions from in-plant roads and traffic areas:	<input type="checkbox"/> YES <input type="checkbox"/> NO
(5)(E)(i)	Watering.	<input type="checkbox"/> YES <input type="checkbox"/> NO
(5)(E)(ii)	Treated with dust-suppressant chemicals (as described in the application of aqueous detergents, surfactants, and other cleaning solutions in the de minimis list).	<input type="checkbox"/> YES <input type="checkbox"/> NO
(5)(E)(iii)	Covered with a material such as, (but not limited to), roofing shingles or tire chips and used in combination with (i) or (ii) above.	<input type="checkbox"/> YES <input type="checkbox"/> NO
(5)(E)(iv)	Paved with a cohesive hard surface that is maintained intact and cleaned.	<input type="checkbox"/> YES <input type="checkbox"/> NO
(5)(F)	Will dust emissions from all stockpiles be minimized at all times by sprinkling with water, dust-suppressant chemicals, or covered?	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
(5)(G)	Will all material spills be immediately cleaned up and contained or dampened so dust emissions are minimized?	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
(5)(H)	Will visible emissions leave the property for more than 30 seconds in duration in any six-minute period during normal plant operations as determined using EPA Test Method 22?	<input type="checkbox"/> YES <input type="checkbox"/> NO
	Will quarterly visible emission observations be performed and recorded in accordance with Section (3)(J) of this standard permit?	<input type="checkbox"/> YES <input type="checkbox"/> NO
	If visible emissions exceed Test Method 22 criteria, will immediate corrective action be taken and documented?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(5)(I)	Will the concrete batch plant be located at least 550 feet from any crushing plant or hot mix asphalt plant?	<input type="checkbox"/> YES <input type="checkbox"/> NO
	If no, will the concrete batch plant operate at the same time as the crushing plant or hot mix asphalt plant?	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A

Air Quality Standard Permit for Concrete Batch Plants Registration Checklist

(5) General Requirement (continued)		
(5)(J)	Are multiple concrete batch plants being operated on the same site?	<input type="checkbox"/> YES <input type="checkbox"/> NO
	Will site production limits be maintained per Sections (8), (9), or (10)?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(5)(K)	Will any concrete additives emit volatile organic compounds (VOC)?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(6) Engines		
(6)(A)	Will the horsepower (or combined horsepower) of the stationary compression ignition internal combustion engine(s) exceed 1,000 horsepower?	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
(6)(C)	Will the engine exhaust stack be a minimum of eight feet tall?	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
(6)(D)	Will fuel for the engine be liquid fuel with a maximum sulfur content of no more than 0.0015 percent by weight and not consist of a blend containing waste oils or solvents?	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
(7) Planned Maintenance, Startup, and Shutdown (MSS) Activities		
	Will planned maintenance activities receive separate authorization or meet the conditions of 30 TAC § 116.119, De Minimis Facilities or Sources?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(8) Additional Requirements for Temporary Concrete Batch Plants		
(8)(A)	Will the site production rate be limited to 300 cubic yards in any one hour (cy/hr) not to exceed 6,000 cubic yards per day?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(8)(B)	Will the suction shroud be vented to a fabric or cartridge filter system with a minimum of 5,000 actual cubic feet per minute (acfm)?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(8)(C)	Will the truck drop point be sheltered by an intact three-sided curtain or equivalent dust control technology that extends below the mixer truck-receiving funnel?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(8)(D)(i)	Will the suction shroud baghouse exhaust be located at least 100 feet from any property line?	<input type="checkbox"/> YES <input type="checkbox"/> NO
	<i>Note: For concrete batch plants that supply concrete for a single public works project, the property line measurements for purposes of compliance with this standard permit shall be made to the outer boundaries of the designated public property, roadway project and associated rights-of-way.</i>	
(8)(D)(ii)	Will all stationary equipment, stockpiles, or vehicles used for the operation of the concrete batch plant (except for incidental traffic and the entrance and exit to the site) be located or operated at least 50 feet from any property line?	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A

Air Quality Standard Permit for Concrete Batch Plants Registration Checklist

(8) Additional Requirements for Temporary Concrete Batch Plants (continued)		
(8)(E)(i)	In lieu of meeting the distance requirements in (8)(D) (ii), will the roads and other traffic areas within the buffer distance be bordered by dust suppressing fencing or other barriers along all traffic routes or work areas?	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
(8)(E)(ii)	Will these borders be constructed to a height of at least 12 feet?	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
(8)(E)(iii)	Will stockpiles be contained within a three-walled bunker that extends at least two feet above the top of the stockpile?	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
(8)(F)(i)	Is a registered portable facility moving to a site for support of a public works project in which the proposed site is located in or contiguous to the right-of-way of the public works project?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(8)(F)(ii)	Is a registered portable facility moving to a site in which a portable facility was located at the site at any time during the previous two years and was the site subject to public notice?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(8)(G)	If (8)(F) conditions are met, forward the required information to the appropriate regional office for final decision.	
(9) Additional Requirements for Permanent Concrete Batch Plants		
(9)(A)	Will the site production rate be limited to no more than 300 cubic yards in any one hour, not to exceed 6,000 cubic yards per day?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(9)(B)	Will the suction shroud or other pickup device be installed at the batch drop point (drum feed for central mix plants)?	<input type="checkbox"/> YES <input type="checkbox"/> NO
	Will the suction shroud or other pickup device be vented to a fabric or cartridge filter system with a minimum of 5,000 acfm?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(9)(C)	Will the truck drop point be sheltered by an intact three-sided curtain or equivalent dust control technology that extends below the mixer truck-receiving funnel?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(9)(D)(i)	Will the suction shroud baghouse exhaust be located at least 100 feet from any property line?	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
(9)(D)(ii)	Will all stationary equipment, stockpiles, or vehicles used for the operation of the concrete batch plant (except for incidental traffic and the entrance and exit to the site) be located or operated at least 50 feet from any property line?	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
(9)(E)(i)	In lieu of meeting the distance requirements in (9)(D)(ii), will the roads and other traffic areas within the buffer distance be bordered by dust suppressing fencing or other barriers along all traffic routes or work areas?	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A

Air Quality Standard Permit for Concrete Batch Plants Registration Checklist

(9) Additional Requirements for Permanent Concrete Batch Plants (continued)		
(9)(E)(ii)	Will these borders be constructed to a height of at least 12 feet?	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
(9)(E)(iii)	Will stockpiles be contained within a three-walled bunker that extends at least two feet above the top of the stockpile?	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
(9)(F)	Will all entry and exit roads and main traffic routes associated with the operation of the concrete batch plant (including batch truck and material delivery truck roads) be paved with a cohesive hard surface that can be maintained intact and cleaned?	<input type="checkbox"/> YES <input type="checkbox"/> NO
	Will all batch trucks and material delivery trucks remain on the paved surface when entering, conducting primary function, and leaving the property?	<input type="checkbox"/> YES <input type="checkbox"/> NO
	Will all other traffic areas, except entry and exit roads and main traffic routes, be maintained using the control requirements of subsection (5)(E) of this standard permit?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(10) Additional Requirements for Specialty Concrete Batch Plants		
(10)(A)	Will the site production rate be limited to no more than 30 cubic yards per hour?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(10)(B)	As an alternative to the requirement in subsection (5)(A) of this standard permit, will the cement/fly ash weigh hopper be vented inside the batch mixer?	<input type="checkbox"/> YES <input type="checkbox"/> NO
(10)(C)(i)	Will the dust emissions at the batch mixer be controlled using a suction shroud or other pickup device delivering air to a fabric or cartridge filter?	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
(10)(C)(ii)	Will the dust emissions at the batch mixer be controlled using an enclosed batch mixer feed?	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
(10)(C)(iii)	Will the dust emissions at the batch mixer be controlled by conducting the entire mixing operation inside an enclosed process building?	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
(10)(D)	Will all vehicles used for the operation of the concrete batch plant (except for incidental traffic and the entrance and exit to the site) be located or operated at least 25 feet from any property line?	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
(10)(E)(i)	In lieu of meeting the distance requirements in (10)(D), will the roads and other traffic areas within the buffer distance be bordered by dust suppressing fencing or other barriers along all traffic routes or work areas?	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
(10)(E)(ii)	Will these borders be constructed to a height of at least 12 feet?	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A