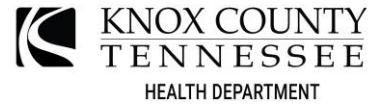


Knox County Department of Air Quality Management

Non-Title V Permit Application

APC-26 Form: Concrete Batch Plant Source Data

(Please Type or Print)



Please fill out a form for each concrete batch plant					
1. Business information:				Air Quality Use Only	
Business license name of corporation, company, individual owner, or governmental agency under which the application is submitted					
2. Emission unit name:				Emission Unit Number	
3. Operating schedule:					
Hours per day	Days per week	Weeks per year	Days per year		
4. Percentage of yearly operation that occurs during the following quarters: (total must equal 100%)					
Dec-Jan-Feb	Mar-April-May	June-July-Aug	Sept-Oct-Nov		
5. Cement batch plant diagram:					
The applicant must attach a diagram of the plant showing material stockpile areas, conveyor systems, method of receiving cement, elevators, silos, silo vents, silo-to-weigh-batcher vent, weigh-batcher discharge chute, and product receiving equipment such as trucks and tilt or product mixers. Indicate air pollution control devices such as fabric filters, wet suppressions, hoods, canvas coverings, enclosures, etc.					
6. Maximum annual production:					
Transit mix (yards/year)		Central mix (yards/year)		Dry mix (yards/year)	
7. Cement/cement supplement receiving and storage data:					
Receiving equipment:	Are conveyors enclosed? <input type="checkbox"/> Yes <input type="checkbox"/> No	Are elevators enclosed? <input type="checkbox"/> Yes <input type="checkbox"/> No	Compressed air flow (ft ³ /min)	Average load size (tons)	Normal loading time (min)
Silo #1 capacity (tons)	Silo #1 vent control: <input type="checkbox"/> None <input type="checkbox"/> Fabric filter <input type="checkbox"/> Another silo <input type="checkbox"/> Other (describe):				
Silo #2 capacity (tons)	Silo #2 vent control: <input type="checkbox"/> None <input type="checkbox"/> Fabric filter <input type="checkbox"/> Another silo <input type="checkbox"/> Other (describe):				
Silo #3 capacity (tons)	Silo #3 vent control: <input type="checkbox"/> None <input type="checkbox"/> Fabric filter <input type="checkbox"/> Another silo <input type="checkbox"/> Other (describe):				
8. Weigh-batcher data:					
Capacity (yards)		Batching rate (yards/hour)		Batch dumping rate (yards/min)	
Silo(s) to weigh-batcher vent controls: <input type="checkbox"/> Hood/Shroud <input type="checkbox"/> Fabric filter <input type="checkbox"/> Discharges to silo <input type="checkbox"/> None					
Weigh-batcher discharges to:	Trucks (yards/year)	Tilt (yards/year)	Product mixer (yards/year)		
Weigh-batcher discharge chute controls:	<input type="checkbox"/> Adjustable gathering hopper <input type="checkbox"/> Hood <input type="checkbox"/> Fabric filter <input type="checkbox"/> Discharges to silo <input type="checkbox"/> None <input type="checkbox"/> Other (describe):				

9. Emission point data:				
Silo #1 vent:	Height above grade (ft)	Diameter (ft)	Emission exit direction (up, down, or horizontal)	Air flow rate (actual ft ³ /min)
Silo #2 vent:	Height above grade (ft)	Diameter (ft)	Emission exit direction (up, down, or horizontal)	Air flow rate (actual ft ³ /min)
Silo #3 vent:	Height above grade (ft)	Diameter (ft)	Emission exit direction (up, down, or horizontal)	Air flow rate (actual ft ³ /min)
Silo(s) to weigh-batcher vent:	Height above grade (ft)	Diameter (ft)	Emission exit direction (up, down, or horizontal)	Air flow rate (actual ft ³ /min)
Weight-batcher discharge chute:	Height above grade (ft)	Diameter (ft)	Emission exit direction (up, down, or horizontal)	Air flow rate (actual ft ³ /min)

10. Air contaminants:						
Emission estimates for each air contaminant emitted from this point should be based on stack sampling results or engineering calculations. Calculations should be attached on a separate sheet.						
Particulate matter	Emissions (lb/hr)		Average emissions (tons/yr)	Emission estimate method*	Control devices*	Control efficiency (%)
	Average	Maximum				
Silo #1 vent:						
Silo #2 vent:						
Silo #3 vent:						
Silo(s) to weigh-batcher vent:						
Weight-batcher discharge chute:						

* Refer to APC-1 Form: General Information for tables of estimation method and control device codes

11. Compliance demonstration and monitoring/recording devices:
Description of proposed monitoring and recordkeeping to assure compliance with emission limits. Include operating parameters of source and/or control device being monitored (opacity, pressure drop, etc.).

Check all attached monitoring and recording devices:	<input type="checkbox"/> No monitor <input type="checkbox"/> Opacity monitor <input type="checkbox"/> Pressure drop gauge <input type="checkbox"/> Electronic data logger <input type="checkbox"/> Strip chart <input type="checkbox"/> Other (describe):
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