

# Application for General Air Contaminant Discharge Permit

## Concrete Manufacturing

Form AQGP-109

**Source Category Description:** Stationary and portable concrete manufacturing, including ready-mix and CTB, and associated material handling activities such as storage piles, conveyors, and vehicle traffic. Other equipment may include electrical generators with internal combustion engines.

**1. Qualifications:** For each qualification statement listed below, answer “yes” or “no” in the far right column.

a. Do the operations meet the description provided above?	
b. Are there any other activities identified in OAR 340-216-8010, Table 1?	
c. Does the plant use an electrical generator(s) for power?	
d. Do any activities other than concrete manufacturing occur at this site? (If yes, provide a brief description below )	
e. Is the facility currently in compliance with DEQ regulations?	
f. Have there been any violations in the last five years?	
g. If there have been violations, have they been resolved?	
h. Does the facility have the proper land use approvals? Stationary Sources must attach a completed Land Use Compatibility Statement.	

**2. Additional Comments:**

**3. Plant Information**

a. Portable plant? (yes/no)	
b. Date installed at current location	
c. Manufacturer and date manufactured	
d. Truck mixed, central mixed, or dry batch?	
e. Plant electrical power supply (e.g., on-site generator or electric service company).	
f. Maximum hours of operation in a day.	
g. Maximum number of days of operation per week.	
h. Maximum number weeks of operation per year.	
i. Design production capacity (cubic yards/hour):	
j. Projected maximum (cubic yards/year)	

k. Dust Control Information: You will be required to control dust at the plant site, including dust from product manufacture, receipt, movement, and loading of materials, and dust from interior and access roads. This will include water sprays at all truck-loader locations. Describe how you will accomplish this.

- l. Bag Filters or equivalent: You will be required to use bag filters (or equivalent) on the silo(s). You will be required to operate and maintain the bag filters (or equivalent) as designed to ensure proper operation at all times.
- Do you or will you have bag filters (or equivalent) installed and operational on all silos? Yes                      No
  - Do you or will you have manufacturer or vendor information about the bag filters (or equivalent) available to ensure operation and maintenance take place as designed? Yes                      No
  - Describe the types and sizes of the bag filters (or equivalent) that are or will be used on site. Include any other appropriate details regarding your filter setup:

m. Waste Process Water: You will be required to employ water sprays on all truck loaders on site. A permit to discharge and/or store process wastewater may be required.

Do you have, or have you applied for such a permit from DEQ?    Yes                      No  
 If "no", have you contacted your Region's water quality section?    Yes                      No

**4. Maximum Projected Pollutant Emissions:** Determine the maximum projected annual pollutant emissions.

Device	Maximum Projected Annual Production	Pollutant	Emission factor	Units	Emissions (tons/yr) <sup>1</sup>
Concrete Mfg.	_____cubic yards	PM/PM <sub>10</sub>	0.02	lb/cubic yard	
Generator(s)	_____gallons	PM/PM <sub>10</sub>	42.5	lb/1000 gallons	
		SO <sub>2</sub>	39.7	lb/1000 gallons	
		NO <sub>x</sub>	604	lb/1000 gallons	
		CO	130	lb/1000 gallons	
		VOC	49.3	lb/1000 gallons	

<sup>1</sup>Maximum Projected Annual Production x Pollutant Emission Factor ÷ 2000

Example PM Calculations:

Concrete Mfg: 60,000 cubic yards of concrete produced/yr x 0.02 lb of PM/cubic yard of concrete ÷ 2000 = 0.6 tons of PM/year

Generator (50,000 gallons of fuel burned/yr ÷ 1000) x 42.5 lb of PM/1000 gallons of fuel burned ÷ 2000 = 1.1 tons of PM/year

**5. Permit Requirements:** All conditions of the General ACDP apply to stationary and portable plants, unless they are listed below. These permit conditions apply only to plants located in certain areas of the state and new plants. For each permit condition listed below, indicate whether the condition applies to your plant by writing “yes” or “no” in the appropriate column. Your answers should be based on the plant’s current location. The applicability of these permit conditions may change when the plant moves to a new location. The permittee must comply with all location-specific permit conditions, regardless of the answers indicated below.

Permit condition	Applicability question:	Applicable (yes/no)
2.1.a	Were any of the equipment or processes installed on or before June 1, 1970 and is the plant operated outside of all special control areas at all times? (yes/no)	
2.1.b	Were any of the equipment or processes installed after June 1, 1970 or could the plant be operated inside of a special control area at any time? (yes/no)	
2.1.c	Is the plant operated in Clackamas, Columbia, Multnomah, or Washington Counties at any time? (yes/no)	
2.5.a	Is ASTM Grade 1 or 2 distillate oil burned in any of the equipment? (yes/no)	
2.5.b.	Is used oil burned in any of the equipment? (yes/no)	
3.2, 3.3, & 4.2	Is the plant operated in the Medford-Ashland AQMA? (yes/no)	
7.3	Is this a new plant? (yes/no)	
7.4	Is this a portable plant? (yes/no)	