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For DAQ Use Only

## Form SS-PER-011-003: Concrete Plant Worksheet

Please see instructions on page 2 before filling out the form.

Supplemental Information

IDENTIFICATION	
1. Source Name:	2. Source ID No.:
Brief description of plant:	
GENERAL INFORMATION	
4. Proposed location and other details:	
Type of plant: <input type="checkbox"/> Batch <input type="checkbox"/> Continuous	Location: <input type="checkbox"/> Fixed <input type="checkbox"/> Portable
Has this plant been previously permitted? <input type="checkbox"/> Yes (provide details on separate sheet) <input type="checkbox"/> No	
Will the facility use electrical line power? <input type="checkbox"/> Yes (skip IC engine questions below) <input type="checkbox"/> No	
Will the facility use IC engines to generate electricity? <input type="checkbox"/> Yes (complete IC engine form) <input type="checkbox"/> No	
Will the facility also crush and/or screen aggregate? <input type="checkbox"/> Yes (provide details separately) <input type="checkbox"/> No	
CONCRETE BATCH PLANT SPECIFICATIONS	
5. Manufacturer:	5a. Manufacturer:
6. Model:	6a. Model:
7. Date manufactured:	7a. Date manufactured:
8. Loadout type: <input type="checkbox"/> Truck mix <input type="checkbox"/> Central mix	8a. Loadout type: <input type="checkbox"/> Truck mix <input type="checkbox"/> Central mix
9. Rated capacity (yds <sup>3</sup> /hr):	9a. Rated capacity (yds <sup>3</sup> /hr):
10. Proposed throughput limitations <sup>1</sup> (yds <sup>3</sup> /yr):	10a. Proposed throughput limitations <sup>1</sup> (yds <sup>3</sup> /yr):
11. Concrete loadout controls: <input type="checkbox"/> Loadout w/shroud <input type="checkbox"/> Loadout w/baghouse	11a. Concrete loadout controls: <input type="checkbox"/> Loadout w/shroud <input type="checkbox"/> Loadout w/baghouse
12. Weigh batcher controls: <input type="checkbox"/> Loadout w/shroud <input type="checkbox"/> Loadout w/baghouse	12a. Weigh batcher controls: <input type="checkbox"/> Loadout w/shroud <input type="checkbox"/> Loadout w/baghouse
13. Mixer controls: <input type="checkbox"/> Loadout w/shroud <input type="checkbox"/> Loadout w/baghouse	13a. Mixer controls: <input type="checkbox"/> Loadout w/shroud <input type="checkbox"/> Loadout w/baghouse
14. Cement/supplemental storage silos: <input type="checkbox"/> Silo loading w/bin vent <input type="checkbox"/> Silo loading w/baghouse	14a. Cement/supplemental storage silos: <input type="checkbox"/> Silo loading w/bin vent <input type="checkbox"/> Silo loading w/baghouse
15. Does the concrete batch plant(s) have any additional emissions control device? <input type="checkbox"/> Yes <input type="checkbox"/> No If "Yes," what emissions control device is used? (Attach appropriate control equipment form for each plant)	

<sup>1</sup> These concrete production limits will be placed in the permit.

### AUXILIARY EQUIPMENT (check all that apply for this plant)

<input type="checkbox"/> Conveyor(s) – specify number:
<input type="checkbox"/> Stacker(s) – specify number:
<input type="checkbox"/> Silo(s) – specify number:
<input type="checkbox"/> Hopper(s) / Bin(s) – specify number:
<input type="checkbox"/> Pugmill / Mixer(s) – specify number:
<input type="checkbox"/> Stockpiles – specify total area:
<input type="checkbox"/> Haul Roads – check type: <input type="checkbox"/> Paved Length/VMT: <input type="checkbox"/> Unpaved Length/VMT:
<input type="checkbox"/> Other – specify unit type and quantity:

**Attach flow diagram(s) and manufacturer's specification sheet(s).**

**All information above this line is required for this form to be considered complete. Duplicate sheet as needed.**

*Attach flow diagram(s) and manufacturer's specification sheet(s).*

**All information above this line is required for this form to be considered complete. Duplicate sheet as needed.**

**The information in this section guides you to other forms that may have to accompany this worksheet.**

For emission control equipment, use the appropriate **CONTROL EQUIPMENT** form (Baghouse = SS-PER-008-01, Particulate Control Equipment = SS-PER-008-05, Scrubber = SS-PER-008-06) and duplicate as needed. Be sure to indicate the emission unit that the control equipment is affecting.

- Engine form (SS-PER-007-03) if not operating on grid power and/or there is an engine on the plant site.
- Crusher form (SS-PER-011-04) if operating crushing equipment with this plant.
- Asphalt form (SS-PER-011-01) if operating an asphalt at this plant.
- Boiler form (SS-PER-007-01) if operating a boiler at this plant.
- Gasoline Dispensing Operations Permitting Tool if dispensing gasoline for a fleet at this plant.

## **Form Instructions**

Before filling out this worksheet, locate the **Supplemental Information** box at the top right.

- If submitting this worksheet with a permit application, do not check the box.
  - If submitting this worksheet without a permit application, or in response to a DAQ request for supplemental/requested information, check the box.
1. Provide the source name as it appears on the application. If a permit already exists for this operation, the source name should match the name on the permit.
  2. If the plant is an existing source and already has a permit, provide the number as it appears on the permit. Otherwise, enter "New."
  3. Provide a brief description of the proposed project as it appears on the permit application. Indicate whether the plant is being proposed as a new source, or whether it's being modified. If modified, indicate what changes are being proposed.

### **USE ATTACHMENTS IF ADDITIONAL SPACE IS REQUIRED.**

#### **General Information:**

4. Specify whether the concrete plant is a batch operation or continuous operation.
  - Specify whether the plant will be operated at a fixed location or portable throughout various locations in Clark County. The plant must be designed to be portable to be permitted to operate at various locations.
  - Specify whether the plant has been previously permitted in Clark County, or by an agency outside of Clark County. If so, provide details on a separate sheet including the permitting authority and date(s) when it was permitted.
  - Specify whether the plant will operate using electrical line power or internal combustion (IC) engines powering electrical generators.
  - Specify whether the facility will also process aggregate to be used in the concrete plant, or elsewhere.

#### **Concrete Batch Plant Specifications:**

- 5–7. Specify the plant manufacturer, the model, and the date the plant was manufactured.
8. Specify whether the plant type is "truck mix" or "central mix."
9. Specify the plant's maximum rated production capacity as cubic yards of concrete per hour.
10. Specify the plant's proposed maximum production as cubic yards of concrete per year. **Note:** The permit will contain the proposed throughput as an operational limit, unless no throughput is proposed. If no throughput is proposed, the regulated emissions from the plant will be based on 8,760 hours of operation per year.
11. Specify whether emissions controls are being proposed for the concrete loadout by selecting the appropriate option.
12. Specify whether emissions controls are being proposed for the weigh batcher by selecting the appropriate option.

**If the source operates a second concrete batch plant under this source ID number, complete 5a–14a.**

- 5a–7a. Specify the plant manufacturer, the model, and the date the plant was manufactured.
- 8a. Specify whether the plant type is “truck mix” or “central mix.”
- 9a. Specify the plant’s maximum rated production capacity as cubic yards of concrete per hour.
- 10a. Specify the plant’s proposed maximum production as cubic yards of concrete per year. **Note:** The permit will contain the proposed throughput as an operational limit, unless no throughput is proposed. If no throughput is proposed, the regulated emissions from the plant will be based on 8,760 hours of operation per year.
- 11a. Specify whether emissions controls are being proposed for the concrete loadout by selecting the appropriate option.
- 12a. Specify whether emissions controls are being proposed for the weigh batcher by selecting the appropriate option.
- 13a. Specify whether emissions controls are being proposed for the mixer by selecting the appropriate option.
- 14a. Specify whether emissions controls are being proposed for the cement/supplemental storage silos by selecting the appropriate option.
15. Check whether the concrete batch plant has any additional control device installed and, if so, if it is a baghouse or scrubber. Attach the manufacturer specifications for the equipment.

**Auxiliary Equipment:**

Specify all that apply to the concrete plant, and include quantity. All equipment should be included in the flow diagram.