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For DAQ Use Only

Form SS-PER-011-01: Asphalt Plant Worksheet

Please see instructions on page 3 before filling out the form.

Supplemental Information

IDENTIFICATION	
1. Source Name:	2. Source ID No.:
3. Brief description of project:	

GENERAL INFORMATION	
4. Proposed location of plant and other details:	Plant type: <input type="checkbox"/> Batch <input type="checkbox"/> Continuous Location: <input type="checkbox"/> Fixed <input type="checkbox"/> Portable Has this asphalt plant been previously permitted? <input type="checkbox"/> Yes (provide details) <input type="checkbox"/> No Will the facility use IC engines to generate electricity? <input type="checkbox"/> Yes (complete SS-PER-007-03) <input type="checkbox"/> No

ASPHALT PLANT SPECIFICATIONS			
5. Manufacturer:			
6. Model:			
7. Date manufactured:			
8. Drum dryer burner manufacturer:			
Model:			
Date manufactured:			
9. Drum dryer rated heat input capacity (MMBtu/hr):			
10. Drum dryer exhaust flow compared to asphalt flow: <input type="checkbox"/> Parallel-flow <input type="checkbox"/> Counter-flow			
11. Maximum asphalt production (manufacturer rating) (tons/hr):			
12. Proposed throughput (tons/yr):			
13. Maximum throughput of Recycled Asphalt Product to be used:		tons/hr	tons/yr <input type="checkbox"/> N/A
14. Are emissions from filling of the asphalt storage silo routed back to the drum dryer? <input type="checkbox"/> Yes <input type="checkbox"/> No			
15. Date of most recent source test:		(attach copies) or	<input type="checkbox"/> Plant is new and has never been source-tested.
16. Fuel(s) combusted in the drum dryer (check all that apply): <input type="checkbox"/> Distillate (#2) fuel oil <input type="checkbox"/> Used oil/RF04 oil <input type="checkbox"/> Natural gas/LNG			
<input type="checkbox"/> LPG/propane <input type="checkbox"/> Biodiesel			
Sulfur content for distillate fuel other than diesel:			
17. Does the drum dryer have an emissions control device? <input type="checkbox"/> Yes <input type="checkbox"/> No			
If "yes", what emissions control device is used?		<input type="checkbox"/> Baghouse (complete SS-PER-008-01) <input type="checkbox"/> Scrubber (complete SS-PER-008-06)	
18. Drum dryer exhaust stack parameters:			
Diameter (inches):	Height (ft):	Temp (°F):	Flow rate (acfm):

ASPHALTIC OIL TANK HEATER SPECIFICATIONS			
19. Asphaltic oil tank heater manufacturer:			
20. Model:			
21. Rated heat input capacity (MMBtu/hr):			
22. Fuel combusted in the asphaltic oil tank heater? <input type="checkbox"/> Distillate fuel <input type="checkbox"/> Natural gas/LNG <input type="checkbox"/> LPG/propane <input type="checkbox"/> Biodiesel			
Sulfur content for distillate fuel other than diesel:			

SILO HEATER SPECIFICATIONS

23. Silo heater manufacturer:

24. Model:

25. Rated heat input capacity (MMBtu/hr):

26. Fuel combusted in the silo heater? Distillate fuel Natural gas/LNG LPG/propane Biodiesel

Sulfur content for distillate fuel other than diesel:

AUXILIARY EQUIPMENT (check all that apply to the Asphalt Plant)

Conveyor(s) – specify how many:

Stacker(s) – specify how many:

Silo(s) – specify how many:

Hopper(s) / Bin(s) – specify how many:

Pugmill / Mixer(s) – specify how many:

Stockpiles – specify total area:

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.

If the asphalt plant's date of manufacture is after **June 11, 1973**, the plant will be subject to the NSPS (40 CFR Part 60, Subpart I).

If this facility has operated and or been permitted in another state and has conducted the required source test, provide a copy of the test results report with this form.

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**, Particulate Control Equipment: SS-PER-008-05, and duplicate as needed. Be sure to indicate the emission unit that the control equipment is affecting.
- Use the Engine form (SS-PER-007-03) if not operating on grid power and/or there is an engine on-site.

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 being modified. If it is being modified, briefly describe the proposed changes. Describe the associated processes such as crushing and screening plants, if any.

USE ATTACHMENT IF ADDITIONAL SPACE IS REQUIRED.

General Information:

4. Specify whether the asphalt plant is a batch operation or continuous operation.
 - Specify whether the plant will operate at a fixed location or move to various locations in Clark County (i.e., is portable). 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).
 - Specify whether the plant will operate using electrical line power or internal combustion (IC) engines powering electrical generators.

Asphalt Plant Specifications:

- 5–7. Specify the drum dryer manufacturer, model, and the date the drum dryer was manufactured.
8. Specify the drum dryer burner manufacturer, model, and the date the drum dryer burner was manufactured.
9. Specify the heat input capacity of the drum dryer burner (per the data plate) in MMBtu/hr.
10. Specify the type of drum dryer being proposed, parallel-flow or counter-flow.
11. Specify the plant's maximum rated production capacity in tons of asphalt per hour.
12. Specify the plant's proposed maximum production in tons of asphalt per year. **Note:** The permit will contain the proposed throughput as an operational limit. If no throughput is proposed, the regulated emissions from the plant will be based on 8,760 hours of operation per year.
13. Specify the maximum proposed throughput of Recycled Asphalt Product (RAP) that will be used at the facility. If no RAP is proposed, check the "N/A" box. **Note:** Compliance with all permit limits shall be demonstrated during the required source test at the proposed RAP throughput rate.
14. State whether emissions from filling the asphalt storage silo are routed back to the drum dryer.
15. Give the date of the most recent NSPS Subpart I required source test (if applicable). If performed outside of Clark County, include the results of the source test with the application submittal. **Note:** This date will be used to establish future source testing requirements.
16. Specify the fuel (or fuels) that will be combusted in the drum dryer. If more than one fuel is proposed, specify on a separate sheet which will be primary and when the secondary fuel will be used instead. If distillate fuel oil or used oil/RF04 is combusted, list the proposed sulfur content of the fuel in the space provided.
17. Specify whether the drum dryer has a control device installed and, if so, if it is a baghouse or scrubber. Attach the manufacturer specifications for the control equipment.
18. Specify the drum dryer exhaust stack parameters. The temperature and flow rate should reflect the drum dryer manufacturer specifications.

Asphaltic Oil Tank Heater Specifications:

- 19–21. Specify the asphaltic oil tank heater manufacturer, model, and heat input capacity (per the data plate) in MMBtu/hr.
22. Specify which fuel is combusted in the asphaltic oil tank heater. If distillate fuel oil is combusted, specify the maximum proposed sulfur content of the fuel.

Silo Heater Specifications:

23–25. Specify the silo heater manufacturer, model, and heat input capacity (in MMBtu/hr) per the data plate.

26. Specify which fuel is combusted in the silo heater. If distillate fuel oil is combusted, specify the maximum proposed sulfur content of the fuel.

Auxiliary Equipment:

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