

ASPHALT PLANT WORKSHEET INSTRUCTIONS

Be sure to review the following instructions prior to completing this application. More detailed instructions can be found on Page 5.

- Submit this worksheet as a supplemental document to an *Application for Authority to Construct/Permit to Operate*. If submitting this worksheet without a permit application, or in response to an AQMD request for supplemental information, locate and check the “Supplemental Information” box at the top left of Page 3.
- The worksheet must be filled out completely for all items that are applicable, except where noted as optional.
- The *Application for Authority to Construct/Permit to Operate*, all applicable emission unit and/or control device worksheet(s), and payment should be hand delivered to the AQMD drop box located ([here](#)), or mailed to:
NNPH, AQMD
1001 E. Ninth Street, Suite B171
Reno, NV 89512
- A supplemental map delineating where the equipment will be located and the maximum proposed area for the source’s operation must be attached as a supplemental document. Mapping instructions can be found ([here](#)).
- If the facility commences construction or modification **after June 11, 1973**, the plant may be subject to the New Source Performance Standards, or NSPS ([40 CFR Part 60, Subpart I](#)).
- If the facility has operated or been permitted in another state and has conducted the required source test, provide a copy of the test results report with this worksheet.
- **Portable Plants** – A *Portable Source Permit Move Notification* must be submitted to the AQMD prior to relocating a portable source. This includes relocating the source to storage or back to a rental company.
 - A portable source may not operate in a single location for more than 12 months, following the date of initial operation. The equipment may not be moved, then returned to the same location in an attempt to circumvent the time requirement.
 - A Visual Emissions Observation (VEO) must be conducted by an individual with a current EPA Method 9 certification where any crushing operations occur.
 - The AQMD must be notified at least 7 days prior to the scheduled observation. Notifications can be emailed to AQMDCompliance@nnph.org.
 - The VEO report must be submitted to AQMDCompliance@nnph.org within 10 days of the observation. The current EPA Method 9 certification for the individual that completed the observation must be included with the report.
 - Once a project is complete, a final *Portable Source Permit Move Notification* must be submitted indicating the equipment has been moved off site.

ASSISTANCE AND RESOURCES

District Board of Health Regulations Governing Air Quality Management:

<https://www.nnph.org/programs-and-services/air-quality/regulations/index.php>

The Air Quality Management Division Permitting Department can be contacted at (775) 784-7200 or AQMDPermitting@nnph.org.

ASPHALT PLANT WORKSHEET

FOR AQMD USE ONLY

Permit No.:

Supplemental Information

| Facility Information | | | |
|---|---------|----------------------|--------------|
| 1. New Permit | | Permit Modification | |
| 2. Existing facilities only. Permit Number (AAIRXX-XXXX): | | | |
| 3. Facility Name: | | | |
| 4. Facility Address: | | | APN: |
| City: | State: | ZIP Code: | |
| 5. Plant Location: | | Fixed | Portable |
| 6. Plant Type: | | Batch | Continuous |
| 7. Is the plant run on pole power? | | Yes | No |
| Asphalt Plant Specifications | | | |
| 8. Drum dryer manufacturer: | | Date of Manufacture: | |
| Model: | | | |
| 9. Drum dryer burner manufacturer: | | Date of Manufacture: | |
| Model: | | | |
| 10. Drum dryer rated heat input capacity (MMBtu/hr): | | | |
| 11. Drum dryer exhaust flow compared to asphalt flow: | | Parallel-Flow | Counter-Flow |
| 12. Maximum asphalt production (manufacturer rating in tons/hr): | | | |
| 13. Proposed throughput (tons/yr): | | | |
| 14. Maximum throughput of recycled asphalt product to be used: | | | |
| tons/hr | tons/yr | N/A | |
| 15. Are emissions from filling of the asphalt storage silo routed back to the drum dryer? | | | |
| Yes No | | | |
| 16. Date of most recent source test: | | | |
| (attach copies) <u>OR</u> Plant is new and has never been source-tested | | | |
| 17. Primary fuel type: Distillate (#2) Fuel Oil Used Oil/RF04 Oil Natural Gas/LNG | | | |
| LPG/Propane Biodiesel Other (specify): | | | |

| | |
|--|---|
| 17.a. Sulfur content for distillate fuel other than diesel: | |
| 18. Secondary fuel type: | N/A Distillate (#2) Fuel Oil Used Oil/RF04 Oil Biodiesel Natural Gas/LNG LPG/Propane Other (specify): |
| 18.a. Sulfur content for distillate fuel other than diesel: | |
| 19. Does the drum dryer have an emissions control device? | Yes No |
| If "Yes", what emissions control device is used? | Baghouse Scrubber |
| <i>(complete/attach the appropriate worksheet)</i> | |
| 20. Drum dryer exhaust stack parameters | |
| Diameter (inches): | Height (ft): |
| Temperature (°F): | Flow Rate (acfm): |
| Asphaltic Oil Tank Heater Specifications | |
| 21. Asphaltic oil heater manufacturer: | |
| 22. Model: | |
| 23. Rated heat input capacity (MMBtu/hr): | |
| 24. Fuel(s) combusted in the asphaltic oil tank heater? | |
| Biodiesel Distillate Fuel Natural Gas/LNG LPG/Propane Other (specify): | |
| 24.a. Sulfur content for distillate fuel other than diesel: | |
| Silo Heater Specifications | |
| 25. Silo heater manufacturer: | |
| 26. Model: | |
| 27. Rated heat input capacity (MMBtu/hr): | |
| 28. Fuel(s) combusted in the asphaltic oil tank heater? | |
| Biodiesel Distillate Fuel Natural Gas/LNG LPG/Propane Other (specify): | |
| 28.a. Sulfur content for distillate fuel other than diesel: | |
| Auxiliary Equipment | |
| 29. Check all that apply to the Asphalt Plant and provide quantities. | |
| Conveyor(s). How many? | |
| Stacker(s). How many? | |
| Silo(s). How many? | |
| Hopper(s)/Bin(s). How many? | |
| Pugmill/Mixer(s). How many? | |
| Stockpiles. Total area? | |
| Other. Specify unit type and quantity: | |

DETAILED WORKSHEET INSTRUCTIONS

Attach flow diagram(s) and manufacturer's specification sheet(s). Duplicate sheet as needed.

Facility Information

1. Specify if the worksheet is for a new permit or for modification of an existing permit by checking the appropriate box.
2. **For existing facilities only.** Provide the permit number, which can be found at the top of page 1 of the existing Permit to Operate (ex. AAIRXX-XXXX).
3. Provide the facility name as it appears on the *Application for Authority to Construct/Permit to Operate*. If a permit already exists for this operation, enter the name as it appears on the existing permit, which can be found at the top of page 1 of the existing Permit to Operate where it says, "Permit Issued To".
4. Provide the address of where the asphalt plant will be operating. If it is a portable plant, provide the address of the first location. A supplemental map delineating where the equipment will be located and the maximum proposed area for the source's operation must be attached as a supplemental document. Mapping instructions can be found ([here](#)).
5. Specify if the plant will be operating as a fixed or portable source by checking the appropriate box.
6. Specify the asphalt plant type by checking the appropriate box.
7. Specify if pole power will be used to power the equipment by checking the appropriate box. If a diesel engine generator will be used, complete an *Internal Combustion Engine Worksheet*, and attach it as a supplemental document.

Asphalt Plant Specifications

8. Provide the manufacturer, date of manufacture, and model of the asphalt plant drum dryer.
9. Provide the manufacturer, date of manufacture, and model of the asphalt plant drum dryer burner.
10. Specify the heat input capacity of the drum dryer burner (per the data plate) in MMBtu/hr.
11. Specify if the drum dryer type is parallel-flow or counter-flow.
12. Specify the plant's maximum rated production capacity in tons of asphalt per hour.
13. 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.
14. 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 will all permit limits shall be demonstrated during the required source test at the proposed RAP throughput rate.
15. Specify whether emissions from filling the asphalt storage silo are routed back to the drum dryer by checking the appropriate box.
16. Give the date of the most recent NSPS Subpart I required source test (if applicable).

Include the results of the source test with the application submittal. If the plant is new and has never been source tested, check the appropriate box.

Note: This date will be used to establish future source testing requirements.

17. Specify the primary fuel type that will be combusted in the drum dryer.
 - 17.a. If distillate fuel oil or used oil/RF04 is combusted as the primary fuel type, list the proposed sulfur content of the fuel in the space provided.
18. Specify the secondary fuel type that will be combusted in the drum dryer, or select "N/A" if not applicable.
 - 18.a. If distillate fuel oil or used oil/RF04 is combusted as the secondary fuel type, list the proposed sulfur content of the fuel in the space provided.
19. 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. Also attach the appropriate Emission Control Device Worksheet (Filter/Baghouse or Scrubber) for each control device.
20. Specify the drum dryer exhaust stack parameters. The temperature and flow rate should reflect the drum dryer manufacturer specifications.

Asphaltic Oil Tank Heater Specifications

- 21-23. Specify the asphaltic oil tank heater manufacturer, model, and heat input capacity (per the data plate) in MMBtu/hr.
24. 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 (24.a.).

Silo Heater Specifications

- 25-27. Specify the silo heater manufacturer, model, and heat input capacity (per the data plate) in MMBtu/hr.
28. Specify which fuel is combusted in the silo heater. If distillate fuel oil is combusted, specify the maximum proposed sulfur content of the fuel (28.a.).

Auxiliary Equipment

29. Specify all that apply to the asphalt plant and include quantities. All equipment specified should be included in the flow diagram.