

CYCLONE WORKSHEET INSTRUCTIONS

Be sure to review the following instructions prior to completing this application. More detailed instructions can be found on Page 3.

- a. 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 2.
- b. The worksheet must be filled out completely for all items that are applicable, except where noted as optional.
- c. 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
- d. Other forms that may be required in addition to this worksheet:
 - For emission control equipment, use the appropriate *Emission Control Device Worksheet (Control Device, Fabric Filter/Baghouse, Flare, or Scrubber)* and duplicate as needed. Be sure to indicate the emission unit (Emission Unit ID) that the control equipment is affecting.
 - If not operating on grid power and/or if there is an engine on site, use the *Internal Combustion Engine Worksheet*.

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.

DETAILED WORKSHEET INSTRUCTIONS

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 the Permit to Operate where it says, "Permit Issued To".
4. Provide the facility address.

Specifications

- 5-8. Specify the manufacturer, date of manufacture, model number, and serial number of the cyclone.
9. Specify the rated control efficiency of the cyclone and the associated pollutant.
10. Specify the high and low range pressure drop across the cyclone in inches of water.
11. Specify the type of device measuring the pressure drop across the cyclone.
12. Specify the type of cyclone.
13. Provide the emission unit(s) and/or process(es) vented to the cyclone. Include the emission unit number.

Supplemental Information (Optional)

The information in this section is not required but may assist in processing the application.

- Specify the inlet gas flow rate (cfm) and temperature (°F).
- Specify the exhaust gas flow rate (cfm) and temperature (°F).
- Specify the cyclone exhaust stack parameters:
 - The height above the grade through the stack or duct (feet)
 - Stack diameter (inches)
 - Exhaust temperature (°F)
 - Flow rate in cubic feet per minute
 - Velocity in feet per second