DES
DEPARTMENT OF ENVIRONMENT AND SUSTAINABILITY
air quality | desert conservation program | sustainability

4701 W. Russell Rd Suite 200
Las Vegas, NV 89118-2231
Phone (702) 455-5942
Fax (702) 383-9994

For DAQ Use Only

Form SS-PER-008-03: Cyclone Worksheet

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

☐ Supplemental Information

IDENTIFICATION	
1. Source Name:	2. Source ID No.:
3. Brief Project Description:	

SPECIFICATIONS	
4. Manufacturer:	
5. Model No.:	
6. Serial No.:	
7. Date of manufacture:	
8. Rated control efficiency (%):	Pollutant: ☐ PM ☐ PM_{10} ☐ $PM_{2.5}$ ☐ Other (specify):
9. Normal pressure drop across the cyclone: Max. inches of water:	Min. inches of water:
10. Device measuring pressure drop: ☐ Magnehelic gauge ☐ Monometer ☐ Not Applicable ☐ Other (specify):	
11. Cyclone collector type: ☐ Single ☐ Multicone ☐ Inlet Vane ☐ Vertical ☐ Horizontal ☐ Other (specify):	
12. Emission unit(s) or process(es) venting emissions to the cyclone:	

Attach manufacturer's specification sheet(s) for the control device.

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

The information below is not required, but may assist in processing the application.

Inlet gas flow rate: cfm at °F			
Exhaust gas flow rate: cfm at °F			
Complete the following questions about the collection equipment:			
Emissions discharged to the atmosphere:			
Diameter (inches):	Temperature (°F):	Flow rate (cfm):	Velocity (fps):

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, Control Device: 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.

- 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 source is existing 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 cyclone is being proposed as a new control device, or whether it's being modified. If modified, indicate what changes are being proposed.

USE ATTACHMENT IF ADDITIONAL SPACE IS REQUIRED.

4–7. Specify the manufacturer, model number, serial number, and date of manufacture of the cyclone.

8. Specify the rated control efficiency of the cyclone and the associated pollutant.
9. Specify the normal pressure drop across the cyclone as inches of water. Specify the high and low range.
10. Specify the type of device measuring the pressure drop across the cyclone.
11. Specify the type of cyclone.
12. Provide the emission unit(s)/process(es) vented to the cyclone. Include emission unit number if listed in an existing permit.

Optional

- Specify the inlet gas flow rate (cfm) and temperature (°F).
- Specify the exhaust gas flow rate (cfm) and temperature (°F) .
- Specify the exhaust stack parameters: how many feet above grade the top of the stack or duct is, along with its diameter (inches), exhaust temperature (°F), flow rate (cubic feet per minute), and velocity (feet per second).