



DAQ Use Only

## Form SS-PER-013-02: Cooling Tower Worksheet

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

IDENTIFICATION	
1. Source Name:	2. Source ID No.:
3. Brief description:	
SPECIFICATIONS	
4. Manufacturer:	
5. Model No.:	
6. Serial No.:	
7. Date of manufacture:	
8. No. of cells:	Can cells operate independently to support mutually exclusive areas? <input type="checkbox"/> Yes <input type="checkbox"/> No
9. Recirculation rate per cell (gal/min):	
10. Total recirculation rate (gal/min):	
11. Proposed maximum TDS concentration in the recirculating water (circle <b>ppm</b> or <b>mg/l</b> ):	
12. How will the TDS be measured?	
13. Maximum hours of operation per year:	
14. Does the cooling tower have drift eliminators? <input type="checkbox"/> Yes <input type="checkbox"/> No	
If "Yes," what is the rated drift loss in percentage? (Attach a copy of the manufacturer's information):	
15. List any water treatment chemicals being used. In particular, note if chromium will be/is being used:	

***Attach manufacturer's specification sheet(s) for the cooling tower.***

**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.**

- Use the Engine form (SS-PER-007-03) if not operating on grid power and/or if there is an engine on-site.

## Form Instructions

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 ATTACHMENT IF ADDITIONAL SPACE IS REQUIRED.**

- 4-7. Specify the manufacturer, model number, serial number, and date of manufacture of the cooling tower.
8. Specify the number of cells and indicate whether they can operate independently.
9. Specify the per-cell recirculation rate in gallons per minute.
10. Specify the total recirculation rate in gallons per minute.
11. Specify the proposed maximum concentration of total dissolved solids (TDS) in the recirculating water and circle the units used, either parts per million (**ppm**) or milligrams per liter (**mg/l**).
12. Specify the method used to measure the TDS in the recirculating water (for example, conductivity meter).
13. Specify the maximum hours of operation per year.
14. Check **Yes** if the cooling tower has drift eliminators, **No** if it does not. Specify the drift loss percentage for the drift eliminators.
15. List all chemicals used for water treatment in the cooling tower.