



# OLYMPIC REGION CLEAN AIR AGENCY

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[www.orcaa.org](http://www.orcaa.org)

## FORM 40 COOLING TOWER

	Tower 1	Tower 2	Tower 3
	<input type="checkbox"/> New <input type="checkbox"/> Modification <input type="checkbox"/> Other	<input type="checkbox"/> New <input type="checkbox"/> Modification <input type="checkbox"/> Other	<input type="checkbox"/> New <input type="checkbox"/> Modification <input type="checkbox"/> Other
<b>Unit Name</b>			
<b>Cooling Tower Type</b>	<input type="checkbox"/> Counterflow <input type="checkbox"/> Crossflow <input type="checkbox"/> Other	<input type="checkbox"/> Counterflow <input type="checkbox"/> Crossflow <input type="checkbox"/> Other	<input type="checkbox"/> Counterflow <input type="checkbox"/> Crossflow <input type="checkbox"/> Other
<b>Number of Cells in Tower</b>			
<b>Water Circulation Rate</b>	Max _____ gpm Avg _____ gpm	Max _____ gpm Avg _____ gpm	Max _____ gpm Avg _____ gpm
<b>Average Total Dissolved Solids (TDS) (ppm or mg/L)</b>			
<b>Water Source</b>	<input type="checkbox"/> City <input type="checkbox"/> Reclaimed/Treated <input type="checkbox"/> Other	<input type="checkbox"/> City <input type="checkbox"/> Reclaimed/Treated <input type="checkbox"/> Other	<input type="checkbox"/> City <input type="checkbox"/> Reclaimed/Treated <input type="checkbox"/> Other
<b>Do You Use Additives in the Water?</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
If yes, provide SDS for each additive and amount used each month.			
<b>Are there any mist eliminators?</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>Mist Eliminator Drift Rate (% of mist transmitted)</b>			
<b>Mist Eliminator Pollutant Control Efficiency, as designed</b>	PM _____ PM10 _____ PM2.5 _____ Other (_____) _____ (_____) _____ (_____) _____	PM _____ PM10 _____ PM2.5 _____ Other (_____) _____ (_____) _____ (_____) _____	PM _____ PM10 _____ PM2.5 _____ Other (_____) _____ (_____) _____ (_____) _____

### Exhaust / Vent Information

<b>Height of top of the Cell from the Ground (ft)</b>			
<b>Cell Exhaust Size (in diameter or in x in)</b>			
<b>Cell Rated Air Flow Rate (specify units)</b>			
<b>Total Rated Air Flow Rate (specify units)</b>			
<b>Exhaust Exit Temperature (°F)</b>			