

OLYMPIC REGION CLEAN AIR AGENCY

2940 Limited Lane NW - Olympia, Washington 98502 - 360-539-7610 – Fax 360-491-6308

FORM 35 Oxidizer

General Information		
Facility Name:	Contact Person:	
	Phone Number:	
	Email:	
Facility Operating Schedule: ____ hrs/day, ____ days/wk, ____ wks/yr	Oxidizer Operating Schedule: ____ hrs/day, ____ days/wk, ____ wks/yr	
Circle days when operating: M T W Th F Sat Sun	Circle days when operating: M T W Th F Sat Sun	
____ new unit installation ____ modification	Manufacturer:	Model & Serial #s:
Technical Specifications (attach additional pages if needed)		
Oxidizer Type: ____ catalytic oxidizer ____ regenerative thermal oxidizer ____ recuperative thermal oxidizer ____ thermal (direct fired) oxidizer	Air Flow: blower acfm _____ blower hp _____ combustion retention time (sec.) _____ pressure drop (in. H ₂ O) _____	Burner: type of fuel _____ maximum fuel usage _____ gas inlet temperature (°F) _____ set point temperature (°F) _____
For catalytic oxidizers: 1. What is the catalyst material? 2. What is the expected catalyst lifetime? 3. Describe the catalyst cleaning and replacement procedures and frequency.		
For regenerative thermal oxidizers: 1. What is the media type? 2. How many chambers are there and what are the chamber dimensions?		
For recuperative thermal oxidizers: 1. Describe the type of heat exchanger? 2. What are the dimensions of the combustion chamber?		
For direct fired thermal oxidizers: 1. What are the dimensions of the combustion chamber?		
Describe monitoring of oxidizer, including temperature, airflow, fuel consumption, and pressure drop. Include a description of the data analyzer and how records will be kept:		
Emissions		
VOC control efficiency (%) _____	Maximum NOx emissions (ppm or lbs/hr) _____	
Maximum VOC emissions (ppm or lbs/hr) _____	Maximum CO emissions (ppm or lbs/hr) _____	
Exhaust Parameters		
Stack height (feet) _____	Exhaust airflow (scfm) _____	
Stack internal diameter (feet) _____	Exhaust temperature (°F) _____	
Other Information		
The following information is needed to complete the application: 1. Brochure or technical fact sheet from manufacturer or consultant. 2. Scaled technical drawings of the oxidizer, including location of thermocouple and other monitoring equipment. 3. Plan of facility showing locations of oxidizer, stack, and nearby buildings (including maximum heights). 4. Describe any concentrators or particulate control devices associated with the oxidizer.		