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# EIQ Form 2.0Z Instructions for Ozone Season Worksheet for Form 780-1452

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This is a required form for facilities located within the St. Louis Ozone Nonattainment Area with emissions of volatile organic compounds, or VOCs, nitrogen oxide compounds or NO<sub>x</sub> or carbon monoxide or CO emissions of 10 or more tons per year. The applicable area consists of the city of St. Louis and Franklin, Jefferson, St. Charles and St. Louis counties.

The Ozone Season Information Form is designed for reporting data specific to the pollutants responsible for ground-level ozone formation. The ozone season occurs from April through October with a peak from June 1 through August 31. The information should be reported only for the peak ozone season. The Air Pollution Control Program will use information reported on this form to determine overall VOC, NO<sub>x</sub> and CO emission rates for stationary sources within the nonattainment area. Space is allocated on each Form 2.0Z to report VOC, NO<sub>x</sub> and CO emissions from as many as three different emission units.

Complete the Facility Name, Federal Information Processing Standard or FIPS County No., Plant No., and Year of Data.

## Operating Rate/Schedule

**Unit Number:** This number uniquely identifies each specific VOC, NO<sub>x</sub> or CO- producing emission unit. The identification should match the unit number entered on *Form 1.1, Process Flow Diagram, Form 1.2, Summary of Emission Units, and Form 2.0, Emission Unit Information.*

**Segment Number:** This is a two-digit number assigned by the facility used to uniquely identify different processes associated with an emission unit. Generally, if an emission unit, i.e., EP01 has three processes associated with it, then Segment Numbers 01, 02 and 03 will be assigned to those processes. Once assigned, this number should remain constant from year to year. If there is a change in the Source Classification Code, or SCC, used by the facility to identify a process, a new segment number will be assigned to that process or SCC.

**Source Classification Code:** This eight-digit code identifies the type of equipment, process or material associated with an emission unit. SCCs specific to your facility are contained in AP-42, U.S. Environmental Protection Agency *Compilation of Air Pollution Emission Factors* or the Factor Information and Retrieval System. If you cannot locate a SCC specific for your process, use a SCC most closely associated to your process.

**Daily Ozone Season Throughput:** This value is the amount of material processed on an average day during the peak ozone season. For example, the throughput for a spray painting operation might be the number of gallons or pounds of paint used or applied per day.

**Units:** These are the units of measure for the daily ozone season throughput. For the painting operation example, the units might be gallons, pounds or tons. The units should be consistent with SCC and Form 2.0 emission factor units. If the emission factor units are pounds per ton of paint applied, then the throughput units should be in tons of paint applied per day.

**Days/Week during peak Ozone season:** This value is the number of typical days per week this specific piece of equipment or process is in operation during June, July and August.

**Weeks of operation during peak Ozone season:** This value is the number of weeks this specific piece of equipment or process is in operation during June, July and August. The maximum value is 13 weeks.

**Start time on typical Ozone season day:** This value is the time of day this specific piece of equipment or process begins operation on a typical day during the ozone season.

**End time on typical Ozone season day:** This value is the time of day this specific piece of equipment or process ceases operation on a typical day during the ozone season.

### **Emissions Calculations**

**Emission Factor (pounds/unit):** This value is the factor that must be provided for each pollutant released for VOCs, NO<sub>x</sub> and CO at the emission unit described. The emission factor must be the same as the factor on Form 2.0 for this unit.

**Overall Control Efficiency (%):** Enter the overall control device efficiency for the appropriate pollutant. Section 3 of the instructions for *Form 2.0, Emission Unit Information*, explains what is required of this entry. The overall control efficiency must be the same as on Form 2.0 for this unit.

**Actual Emissions (pounds/day):** Actual emissions are determined by multiplying the emission factor for the specific pollutant for VOCs, NO<sub>x</sub>, or CO by the daily peak ozone season throughput and factoring out any pollutants removed by a control device. The resulting number, in pounds per day, is the actual emission for that unit for the specific pollutant. The applicable formula and associated directions are discussed thoroughly in the instructions to *Form 2.0, Emission Unit Information*. The discussion is found under the heading Emission Calculations.

There is one distinction to note: Form 2.0 asks for Annual Throughput, not daily peak ozone season throughput.

### **For More Information**

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