

**Form R
Petroleum Refinery
Calendar Year 2011**

Facility Name: _____

Catalytic Cracking Unit: Type _____

Hours Operated in 2011: _____ Fresh Feed Rate: _____ bbl/yr

Control Equipment Description: Type _____

Installation Date: _____ Efficiency _____ %

Stack Parameters:

Stack Height: _____ feet, Stack Temperature: _____ °F, Stack Diameter: _____ feet

Flow Rate: _____ ACFM, Stack Velocity: _____ feet/sec

Source Emission Data

	Estimated Potential Emissions		Actual Emissions		Method of Determination	Date of Latest Test
	lb/hr	TPY	lb/hr	TPY		
Total Particulate (TSP):						
Particulate (PM-10):						
Particulate (PM-2.5):						
Sulfur Dioxide:						
Nitrogen Oxide:						
Carbon Monoxide:						
Volatile Organic Compounds:						
OTHER:						
Others to include but not limited to: H₂S, NH₃, Sulfuric Acid Mist, etc.)						

Petroleum Refinery (continued)
Emissions Inventory 2011
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FACILITY NAME: _____

Sulfur Plant:

Hours Operated 2011: _____ Hours

Sulfur Recovered 2011: _____ Short Tons

Acid Gas Feed Rate: _____ 10⁶ SCF/yr

Control Equipment Description: Installation Date

Type _____ Efficiency _____ %

Stack Parameters:

Stack Height: _____ feet, Stack Temperature: _____ °F, Stack Diameter: _____ feet

Flow Rate: _____ ACFM, Stack Velocity: _____ feet/sec

Source Emission Data

	Estimated Potential Emissions		Actual Emissions		Method of Determination	Date of Latest Test
	lb/hr	TPY	lb/hr	TPY		
Total Particulate (TSP):						
Particulate (PM-10):						
Particulate (PM-2.5):						
Sulfur Dioxide:						
Nitrogen Oxide:						
Carbon Monoxide:						
Volatile Organic Compounds:						
OTHER:						

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Emissions Inventory 2011
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FACILITY NAME: _____

Cooling Towers:

Cooling Water Used: _____ 10⁶ gal/yr

Emission Data:

	lb/hr	TPY	Method of Determination
VOC:	_____	_____	_____

Vacuum Jets:

Vacuum Feed: _____ bbl/yr

Emission Data:

	lb/hr	TPY	Method of Determination
VOC:	_____	_____	_____

Process Drains:

Waste Water: _____ bbl/yr

Emission Data:

	lb/hr	TPY	Method of Determination
VOC:	_____	_____	_____

Estimated Potential Emissions: Potential to emit means the maximum capacity of a stationary source to emit any air pollutant under its physical and operational design. Any physical or operational limitation of the capacity of a source to emit an air pollutant, including air pollution control equipment and restriction on hours of operation or on the type or amount of material combusted, stored or processed, shall be treated as part of its design if the limitation is enforceable by EPA and the Division.