

General Chemical
Richmond Works- Facility #A0023
Title V - Semi Annual Monitoring Report
Period: July - December 2012

Source	Pollutant	Emission Limit Citation	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Monitoring Results			
S-1 Sulfuric Acid Mfg.	SO ₂	SIP 9-1-308.2	Gaseous emissions from any source at an H ₂ SO ₄ plant shall not exceed 300 ppmv @ 12% O ₂	SIP 9-1-502	C	CEM	July 2012 - December 2012 See attached monthly CEM reports			
	SO ₂	BAAQMD Regulation 9-1-309	Gaseous emissions from any source at an H ₂ SO ₄ plant shall not exceed 300 ppmv @ 12% O ₂	SIP 9-1-502	C	CEM	July 2012 - December 2012 See attached monthly CEM reports			
S-9 Process Air Heater	Acid Mist	BAAQMD Regulation 12-6-301	Gaseous emissions from any source at an H ₂ SO ₄ plant shall not exceed 0.15 g/kg (0.3 lb/ton) of acid produced	BAAQMD Condition # 14980	P/A	Source Test	A source test was conducted on July 31, 2012, and results were submitted to the Source Test and Enforcement Division.			
								Jul	3,863	mscf
								Aug	2,937	mscf
								Sep	2,998	mscf
S-15 Startup Air Heater	NOx, CO, VOC, PM10	BAAQMD Condition# 7606 Part 2	Fuel consumption shall not exceed 5 million cubic feet / 12 month period	BAAQMD Condition# 7606 Part 2	P/M	Monthly Records				
								Jul	0	scf
								Aug	0	scf
								Sep	57,440	scf
S-9 Process Air Heater	NOx, CO, VOC, PM10	BAAQMD Condition# 7934 Part 2	Fuel consumption shall not exceed 61.3 million cubic feet / 12 month period	BAAQMD Condition# 7934 Part 3	P/M	Monthly Records				
								Oct	3,170	mscf
								Nov	2,725	mscf
								Dec	2,313	mscf
S-15 Startup Air Heater	NOx, CO, VOC, PM10	BAAQMD Condition# 7606 Part 2	Fuel consumption shall not exceed 5 million cubic feet / 12 month period	BAAQMD Condition# 7606 Part 2	P/M	Monthly Records				
								Oct	67,461	Scf
								Nov	48,702	Scf
								Dec	74,157	Scf

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S-16 Alkylation Storage Tank # 13	VOC, PM10	BAAQMD Condition# 13215 Part 1	Throughput shall not exceed 146,000 ton / 12 month period	BAAQMD Condition# 13215 Part 1	P/M	Monthly Records	Jul	0	Tons
							Aug	0	Tons
							Sep	0	Tons
							Oct	0	Tons
							Nov	0	Tons
							Dec	0	Tons
S-24 Elec. Grade Sulfuric Acid Mfg.	SO ₂	BAAQMD Regulation 9-1-309	Gaseous emissions from any source at an H ₂ SO ₄ plant shall not exceed 300 ppmv @ 12% O ₂	SIP 9-1-502	C	CEM	January 2011 - June 2011 see attached monthly CEM reports for S-1		
							Jul	805	Tons
							Aug	545	Tons
							Sep	588	Tons
							Oct	438	Tons
							Nov	846	Tons
							Dec	369	Tons
S-32 Alkylation Storage Tank # 14	VOC, PM10	BAAQMD Condition# 13889 Part 2	Throughput shall not exceed 219,000 ton / 12 month period	BAAQMD Condition # 13889 Part 3	P/M	Monthly Records	Jul	0	Tons
							Aug	0	Tons
							Sep	0	Tons
							Oct	0	Tons
							Nov	0	Tons
							Dec	0	Tons