

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 2013 - December 2013 See attached monthly CEM reports for S-1		
	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 2013 - December 2013 See attached monthly CEM reports for S-1		
	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 18, 2013, and results were submitted to the Source Test and Enforcement Division.		
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	Jul	3,023	mscf
							Aug	2,966	mscf
							Sep	32,277	mscf
							Oct	3,205	mscf
							Nov	3,213	mscf
Dec	2,514	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	82,599	scf
							Aug	55,055	scf
							Sep	195,164	scf
							Oct	68,649	Scf
							Nov	31,695	Scf
Dec	184,592	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	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 2013 - December 2013 See attached monthly CEM reports for S-1	
							July 2013 - December 2013 See attached monthly CEM reports for S-1	
							Jul	852 Tons
							Aug	763 Tons
							Sep	740 Tons
							Oct	900 Tons
S-32 Alkylation Storage Tank # 14	VOC, PM10	BAAQMD Condition# 13507 Part 1	Production shall not exceed 15,000 ton / 12 month period	BAAQMD Condition# 13507 Part 3	P/M	Monthly Records	Jul	0 Tons
							Aug	0 Tons
							Sep	0 Tons
							Oct	0 Tons
							Nov	0 Tons
							Dec	0 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