

Chemtrade West US LLC
Richmond Works- Facility #A0023
Title V - Semi Annual Monitoring Report
Period: 01/01/17 - 06/30/17

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	01/01/17 - 06/30/17 Submitted monthly via 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	01/01/17 - 06/30/17 Submitted monthly via CEM reports.
	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	Source test performed on June 15, 2017. Results were submitted to Source Test and Enforcement Division.
S-9 Process Air Heater	NO _x , 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 3.275 mscf Aug 3.293 mscf Sept 3.672 mscf Oct 3.389 mscf Nov 3.563 mscf Dec 3.222 mscf
S-15 Startup Air Heater	NO _x , CO, VOC, PM10	BAAQMD Condition# 7606 Part 2	Fuel consumption shall not exceed 5,000,000 cubic feet / 12 month period	BAAQMD Condition# 7606 Part 2	P/M	Monthly Records	Jul 156,419 scf Aug 61,889 scf Sept 100,610 scf Oct 1,298,869 scf Nov 0 scf Dec 24,874 scf

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Source	Pollutant	Emission Limit (Permit)	Emission Limit	Permit Condition#	Permit Type	Monitoring Frequency	Monitoring Data
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
							Sept 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	01/01/17 - 6/30/17 Submitted monthly via 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	01/01/17 - 06/30/17 Submitted monthly via CEM reports.
		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 420 tons Aug 512 tons Sept 349 tons Oct 431 tons Nov 702 tons Dec 652 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
							Sept 0 tons
							Oct 0 tons
							Nov 0 tons
							Dec 0 tons