Site ID: Address:

B7419 1391 San Pablo Avenue Rodeo, CA 94572

Date: Period:

September 30, 2012 March 1, 2011 to August 31, 2012

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Hydrogen production	Electrical production	NH3	NH3	Throughput	Organic compounds	POC	POC	POC	POC	urce: S1 - Hy	Organic compounds	NH3	SO2	Source: All Sources	Type of Limit
BAAQMD Condition 23178, part 1	BAAQMD Condition 23178, part 2	BAAQMD Condition 23178, part 5	BAAQMD 7-303	BAAQMD Condition 23178, part 1	BAAQMD 8-2-301	BAAQMD Condition 23181, part 2d	BAAQMD Condition 23178, part 6	BAAQMD Condition 23178, part 4	BAAQMD 8-10-301	Source: S1 - Hydrogen Plant	BAAQMD 8-2-301	BAAQMD Condition 23181, part A.2	BAAQMD 9-1-301	irces	Emission Limit Citation
~	Y	z	z	Y	~	≺	~	~	~		~	~	~	1	FE ¹
120 MMs	< 12 MW	0.64 lb/hr	5000 ppm	120 MMs	Emission	13.9 tons	Fugitive I	Deaerato	Abateme depressu reduced	The second secon	Emission	Ammonia	Ground I for 3 min 24 hr)		Future Effective
120 MMscf H2/day	1	r	n	120 MMscf H2/day, annual average	Emission streams with 15 lb/day AND 300 ppm total carbon on a dry basis prohibited	13.9 tons per year for S1, S2, and S3	Fugitive mass emissions < 3,000 lb/yr	Deaerator vent POC emissions < 4.35 lb/day	Abatement of emissions from process vessel depressurization is required until pressure is reduced to less than 1000 mm Hg		Emission streams with 15 lb/day AND 300 ppm total carbon on a dry basis prohibited	Ammonia solution less than 20% by weight	Ground level SO2 concentrations (0.5 ppm for 3 min; 0.25 ppm for 60 min; 0.05 ppm for 24 hr)		Emission Limits
BAAQMD Condition 23178, part 1	BAAQMD Condition 23178, part 2	BAAQMD Condition 23178, part 9b	BAAQMD Condition 23178, part 9b	BAAQMD Condition 23178, part 1	BAAQMD Condition 23178, part 9a	BAAQMD Condition	BAAQMD Condition 23178, part 18	BAAQMD Condition 23178, part 9a	8-10-401.2 (SIP) and 8- 10-501 & 502 (non-SIP)	The second secon	None	BAAQMD Condition 23181, part A.2	9-1-501 requires compliance with BAAQMD 1-510		Monitoring Requirements Citation
C	c	P/A	P/A	P/D	P/A	P/A	P/Q	P/A	P/E		z	P/E	ဂ		Monitoring Frequency' (P/C/N)
Hydrogen flow monitoring	Records	Source test	Source test	Records	Source test	Annual source tests, inspection data, and calculations	Inspection and calculations	Source test	Records		None	Records	SO2 GLM		Monitoring Type
~	~	~	~	~	~	~	~	~	~		~	~	~		Monitoring Compliance Y or N?

Air Liquide Rodeo Hydrogen Plant Title V Semi-Annual Monitoring Report

Site ID: Address:

B7419 1391 San Pablo Avenue Rodeo, CA 94572

Date: Period: September 30, 2012 March 1, 2011 to August 31, 2012

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NOx	NOx	NOx	NO _x	NO _x	NOx	Heat input	Heat input	ırce∷S2≕Hy	Sulfuric acid mist	S	PM10	SO2	NO _×	Type of Limit
40 CFR 60.102a(g)(2)	BAAQMD Condition 23181, part 2a	BAAQMD Condition 23179, part 10a	BAAQMD Condition 23179, part 7b	BAAQMD Condition 23179, part 7a.1	BAAQMD Condition 23179, part 5a	BAAQMD Condition 23179, part 3	BAAQMD Condition 23179, part 2	Source: S2 - Hydrogen Plant Furnace	BAAQMD Condition 23181, part 2f	BAAQMD Condition 23181, part 2e	BAAQMD Condition 23181, part 2c	BAAQMD Condition 23181, part 2b	BAAQMD Condition 23181, part 2a	Emission Limit Citation
~	~	Y	Y	~	Y	Y	~		~	~	~	~	~	FE ¹
						****		A STATE OF THE PARTY OF T						Future Effective Date
40 ppmv, dry, @ 0% O2 on a 24-hr rolling average basis (Stayed until further notice)	30.9 tons per year for S1, S2, and S3	28.1 tons per any consecutive 12 months	50 lb per clock hour	7.5 lb/clock hour except during startup, shutdown, or drying of refractory	5 ppmv @ 3% O2 on a clock hour basis except during startup, shutdown, or drying of refractory	1,072 MMbtu (HHV) during any clock hour	9.636.000 MMbtu (HHV) in any 12 months		0.43 tons per year for S1, S2, and S3	46.2 tons per year for S1, S2, and S3	13.8 tons per year for S1, S2, and S3	5.0 tons per year for S1, S2, and S3	30.9 tons per year for S1, S2, and S3	Emission Limits
40 CFR 60.107a(c) (Monitoring not stayed)	BAAQMD Condition 23181, part 4	BAAQMD Condition 23179, part 13	BAAQMD Condition 23179, part 13	BAAQMD Condition 23179, part 13	BAAQMD Condition 23179, part 13	BAAQMD Condition 23179, part 20	BAAQMD Condition 23179, part 20		BAAQMD Condition 23181, part 4	BAAQMD Condition 23181, part 4	BAAQMD Condition 23181, part 4	BAAQMD Condition 23181, part 4	BAAQMD Condition 23181, part 4	Monitoring Requirements Citation
င	P/A	C	С	0	c	c	С	The second secon	P/A	P/A	P/A	P/A	P/A	Monitoring Frequency ² (P/C/N)
CEM	CEM data and calcutations	CEM	CEM	CEM	CEM	Fuel meters, fuel analyzers, and records	Fuel meters, fuel analyzers, and records		Annual source tests, and calculations	CO CEM, annual source tests, and calculations	Annual source test at S2 and calculations	CEM and calculations	CEM data and calcutations	Monitoring Type
~	~	~	~	~	~	~	*		*	~	~	~	~	Monitoring Compliance Y or N?

Site ID: Address: B7419

1391 San Pablo Avenue Rodeo, CA 94572

Date: Period: September 30, 2012 March 1, 2011 to August 31, 2012

21	20	19	18	17	ਰ	5	14	13	12	11	10	9	Item
Sulfuric acid mist	Sulfuric acid mist	Sulfuric acid mist	Sulfuric acid mist	S02	SO2	S02	SO2	SO2	co	со	со	co	Type of Limit
BAAQMD Condition 23181, part 3	BAAQMD Condition 23181, part 2f	BAAQMD Condition 23179, part 12	BAAQMD Condition 23179, part 9	40 CFR 60.102a(g) (1)	BAAQMD Condition 23181, part 2b	BAAQMD Condition 23179, part 10	BAAQMD Condition 23179, part 7a.5	BAAQMD Condition 23179, part 5e	BAAQMD Condition 23181, part 2e	BAAQMD Condition 23179, part 10b	BAAQMD Condition 23179, part 7a.2	BAAQMD Condition 23179, part 5b	Emission Limit Citation
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													Futuro Effoctivo Date
2.35 lb/day for S1, S2, and S3	0.43 tons per year for S1, S2, and S3	860 lb per any consecutive 12 months	0.098 lb/clock hour	20 ppmdv @ 0% O2 on a rolling 3 clock hour basis; 8 ppmdv @ 0% O2 on a rolling 365 calendar day basis (Stayed until further notice)	5.0 tons per year for S1, S2, and S3	5.0 tons per any consecutive 12 months	1.5 lb/clock hour except during startup, shutdown, or drying of refractory	0.0012 lb/MMbtu on a clock hour basis except during startup, shutdown, or drying of refractory	46.2 tons per year for S1, S2, and S3	34.2 tons per any consecutive 12 months	9.1 lb/clock hour except during startup, shutdown, or drying of refractory	10 ppmv @ 3% O2 on a clock hour basis except during startup, shutdown, or drying of refractory	Emission Limits
BAAQMD Condition 23181, part 4	BAAQMD Condition 23181, part 4	BAAQMD Condition 23179, part 17	BAAQMD Condition 23179, part 17	40 CFR 60.107a(a)(1) (Monitoring not stayed)	BAAQMD Condition 23181, part 4	BAAQMD Condition 23179, part 17	BAAQMD Condition 23179, part 17	BAAQMD Condition 23179, part 17	BAAQMD Condition 23181, part 4	BAAQMD Condition 23179, part 19b	BAAQMD Condition 23179, part 19b	BAAQMD Condition 23179, part 19b	Monitoring
P/A	P/A	P/A	P/A	ဂ	P/A	P/A	P/A	P/A	P/A	n	ი	င	Monitoring Frequency (P/C/N)
Annual source tests and calculations	Annual source tests, and calculations	Annual source tests, and calculations	Source test	O E M	Sulfur monitoring or CEM and calculations	Source test	Source test	Source test	CO CEM, annual source tests, and calculations	CEM	CEM	CEM	Monitoring Type
\ .~	<	~	<u> </u>	~	~	~	~	~	~	~	~	~	Monitoring Compliance? Y or N?

Air Liquide Large Industries US LP - Rodeo Hydrogen Plant

Title V Semi-Annual Monitoring Report Air Liquide Rodeo Hydrogen Plant

Site ID: Address:

1391 San Pablo Avenue Rodeo, CA 94572

Date: Period: September 30, 2012 March 1, 2011 to August 31, 2012

36	7	35	34	33	32	31	30		29		28	27		26	25		24		23	7	<u>კ</u>	lte	m
FP		ŦP	ĘΡ	Opacity	Opacity	02	NH3		NH3		NH3	NH3		NH3	POC		POC		POC	700	S	Limit	Type of
BAAQMD 6-1-310.3		SIP 6-305	BAAQMD 6-1-305	SIP 6-301	BAAQMD 6-1-301		23181, part 2g	BAAQMD Condition	23179, part 11	BAAOMD Condition	BAAQMD Condition 23179, part 8	N/A		BAAQMD Condition 23179, parts 6 and 21	23181, part 2d	BAAQMD Condition	23179, part 10c	BAAQMD Condition	23179, part 7a.3	RAAOMD Condition	BAAQMD Condition	Citation	Emission Limit
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0.15 grain/dscf @ 6% O2		Prohibition of nuisance	Prohibition of nuisance	Ringelmann 1 for no more than 3 minutes in any hour	Ringelmann 1 for no more than 3 minutes in any hour	No limit	26.9 tons per year for S1, S2, and S3		48,200 lb per any consecutive 12 months		6.5 lb/clock hour	None		10 ppmv @ 3% O2, 1-hr average	13.9 tons per year for S1, S2, and S3		11.5 tons per any consecutive 12 months		shutdown, or drying of refractory	3.5 b/clock hour except during startup.	0.0027 lb/MMbtu on a clock hour basis except during startup, shutdown, or drying of refractory	Emission Limits	
sources	None for gaseous fired	None	None	None	None	BAAQMD 1-520.1	23181, part 4	BAAQMD Condition	23179, part 23	BAAQMD Condition	BAAQMD Condition 23179, part 17a	23179, part 22	BAAQMD Condition	BAAQMD Condition 23179, part 17a	23181, part 4	BAAQMD Condition	28181, part B.4.f	BAAQMD Condition 23179, part 17 and	23179, part 17	BAAOMD Condition	BAAQMD Condition	Citation	Monitoring Requirements
z		z	z	z	z	c	P/A		per year	P/A or 4 times	P/A	C	ı	P/A	P/A		P/A	***************************************	P/A		P/A	(P/C/N)	Monitoring Frequency ²
None		None	None	None	None	O2 Monitor	monitoring	Ammonia injection and heat input	calculations	Annual or quarterly P/A or 4 times source tests and	Source test	rates	Monitoring of ammonia injection	Source test	calculations	Annual source tests, inspection data, and	Source test		Source test	0000	Source test	Monitoring Type	
~		~	~	\ \	~	~	~		Y		~	~	:	~	~		~		~		≺	Mc Co Y c	mitoring mpliance or N?

Site ID: Address: B7419

1391 San Pablo Avenue Rodeo, CA 94572

Date: Period:

September 30, 2012 March 1, 2011 to August 31, 2012

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NO _x	NOx	NOx	S02		779		Ŧ	FP	FP	Opacity	Opacity	ırce: S3 - Hyı	PM10		PM10		PM10	PM10		FP	Type of Limit
BAAQMD Condition 23181, part 2a	BAAQMD Condition 23180, part 4c	BAAQMD Condition 23180, part 4a	60.100a(g)(1)		SIP 6-310.3		BAAQMD 6-1-310.3	SIP 6-305	BAAQMD 6-1-305	SIP 6-301	BAAQMD 6-1-301	Source: S3 - Hydrogen Plant Flare	23181, part 2c	BAAQMD Condition	23179, part 10d	BAAQMD Condition	BAAQMD Condition 23179, part 7a.4	23179, part 5d	BAAQMD Condition	SIP 6-310.3	Emission Limit Citation
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																					Future Effective
30.9 tons per year for S1, S2, and S3	129 lb per any consecutive 60 minutes	2.8 tons per any consecutive 12 months	(Standard stayed until further notice)		0.15 grain/dsct @ 6% O2		0.15 grain/dscf @ 6% O2	Prohibition of nuisance		Ringelmann 1 for no more than 3 minutes in any hour	Ringelmann 1 for no more than 3 minutes in any hour		13.8 tons per year for S1, S2, and S3		13.8 tons per any consecutive 12 months		4.8 lb/clock hour except during startup, shutdown, or drying of refractory	refractory	0.037 lb/MMbtu on a clock hour basis except during startup, shutdown, or drying of	0.15 grain/dscf @ 6% O2	Emission Limits
BAAQMD Condition 23181, part 4	BAAQMD Condition 23180, part 5	BAAQMD Condition 23180, part 5	plants	Exemption from monitoring for gas streams from hydrogen	60.100a(3)(iii)	None for gaseous fired	sources	None for gaseous fired	None	BAAQMD Condition 23180, parts 8-10	BAAQMD Condition 23180, parts 8-10	The state of the s	23181, part 4	BAAQMD Condition	28181, part B.4.f	BAAQMD Condition 23179, part 17, and part	BAAQMD Condition 23179, part 17	23179, part 17	BAAQMD Condition	None for gaseous fired sources	Monitoring Requirements Citation
P/A	P/M	P/M	z		z	2	z	z	z	P/E	P/E	The state of the s	P/A		P/A		P/A	P/A		z	Monitoring Frequency ² (P/C/N)
CEM data and calculations	Flow data and calculations	Flow data and calculations	None		None		None	None	None	Visible emissions monitoring	Visible emissions monitoring	The second secon	calculations	Annual source test at S2 and	catculations	Source test and	Source test	Source test		None	Monitoring Type
~	. ~	~	~		-	<	~		<	~	4		Y		4		*	Y		~	Monitoring Compliance Y or N?

Air Liquide Rodeo Hydrogen Plant Title V Semi-Annual Monitoring Report

 Site ID:
 B7419

 Address:
 1391 San P

 Roden CA

1391 San Pabio Avenue Rodeo, CA 94572

Date: September 30, 2012 **Period:** March 1, 2011 to August 31, 2012

Sou	Ö	18	17	16	15	14	13	12	<u> </u>	ltem
Source: S4 - Cooling Tower	Velocity and heat content requirements	sence of		Sulfuric acid	S02	co	со	PM10	POC	Type of Limit
oling Tower	40 CFR 60.18(c)(3) (i) OR 40 CFR Velocity and 60.18(c)(3) (ii) & (c)(4)(i) heat content OR 40 CFR requirements 60.18(c)(3) (ii) & (c)(4)(ii)	40 CFR 60 18(c)(2)	40 CFR 60.18(c)(1)	BAAQMD Condition 23181, part 2F	BAAQMD Condition 23181, part 2b	BAAQMD Condition 23181, part 2e	BAAQMD Condition 23180, part 4b	BAAQMD Condition 23181, part 2c	BAAQMD Condition 23181, part 2d	Emission Limit Citation
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										Future Effective Date
	1) If hydrogen content is equal to or greater than 8% by volume, velocity must be less than 122 ft/sec and less than Vmax, OR; 2) Net heating value of gas greater than 300 btu/scf and less than 1000 btu/scf and velocity less than 60 ft/sec; OR 3) Net heating value of gas greater than 1000 btu/scf and velocity greater than 60 ft/sec and less than 400 ft/sec	Flame present at all times	No visible emissions except for 5 min in any two hours	0.43 tons per year for S1, S2, and S3	5.0 tons per year for S1, S2, and S3	46.2 tons per year for S1, S2, and S3	12.1 tons per any consecutive 12 months	13.8 tons per year for S1, S2, and S3	13.9 tons per year for S1, S2, and S3	Emission Limits
The second secon		40 CFR 60.18(f)(2)	40 CFR 60.18(f)(1)	BAAQMD Condition 23181, part 4	BAAQMD Condition 23181, part 4	BAAQMD Condition 23181, part 4	BAAQMD Condition 23180, part 5	BAAQMD Condition 23181, part 4	BAAQMD Condition 23181, part 4	Monitoring Requirements Citation
	O.	C	P/E	P/A	P/A	P/A	P/M	P/A	P/A	Monitoring Frequency ² (P/C/N)
	Volume measurements gas analysis	Thermocouple or equivalent device	Method 22	annual source tests, and calculations	Suffur monitoring or CEM and calculations	CO CEM, annual source tests, and calculations	Flow data and calculations	Annual source test at S2 and calculations	Annual source tests, inspection data, and calculations	Monitoring Type
	~	Y	Υ	*	~	~	~	~	~	Monitoring Compliance Y or N?

Site ID: Address: B7419

1391 San Pablo Avenue Rodeo, CA 94572

Date: Period: September 30, 2012 March 1, 2011 to August 31, 2012

	5 POC	4 POC	3 POC	2 POC	1 POC	Source:	12 Chlo		11 compou	 }		10 com	Organic	9 com	Organic	8 com	Organic	7 PM	6 FP		5 FP	4 FP		2 Opacity	-	Onacity	Ite Limit	m Type of	12
						Source: Components	Chloroform	_	nds	<u>5</u> .		nds		nds		nds		ŅŒ	S		В	S							1
	BAAQMD 8-18-305	BAAQMD 8-18-304	BAAQMD 8-18-303	BAAQMD 8-18-302	BAAQMD 8-18-301	ents			BAAQMD 8-2-301			BAAQMD 8-2-301		BAAQMD 8-2-301		BAAQMD 8-2-301		BAAQIVID Condition 23414, part 2	SIP 6-311		BAAQMD 6-1-311	SIP 6-310	BAAQMD 6-1-310	SIP 6-301		BAAQMD Regulation 6-	Citation	Emission Limit	The second secon
;	٨	~	~	۲	Υ				≺			~		Y		Υ		≺	_		Ν	Υ	Z	~		z	Y/N?		
																											Date	Future Effective	***************************************
Valve, pressure relief, pump or compressor must be repaired within 5 years or at the next scheduled turnaround	Pressure relief valve leak < 500 ppm	Connection leak < 100 ppm	Pump and compressor leak < 500 ppm	Valve leak < 100 ppm	General equipment leak < 100 ppm		None		compounds/day	300 npm as carbon and 15 lb organic		compounds/day	300 ppm as carbon and 15 lb organic	compounds/day	300 ppm as carbon and 15 lb organic	compounds/day	300 ppm as carbon and 15 lb organic	Dissolved solids < 3000 ppm	ton/hr	4.10P0.67 lb/hr, where P is process weight,	40 lb/hr	0.15 grain/dscf	0.15 grain/dscf	any hour	Ringelmann 1 for no more than 3 minutes in	Ringelmann No. 1 for no more than 3	Emission Limits		The same of the sa
BAAOMD 8-18-502.4	BAAQMD 8-18-401.2	BAAQMD 8-18-401.2e & BAAQMD Condition 23178, part 18	BAAQMD 8-18-401.2	BAAQMD 8-18-401.2	BAAQMD 8-18-401.2		23414, part 5	BAAQMD Condition	23414, part 8	RAAOMD Condition		23414, part 4	BAAQMD Condition	23414, part 4	BAAQMD Condition	23414, part 3	BAAQMD Condition	23414, part 6	None		None	None	None	None		None P	Citation	Requirements	
P/quarterly	P/Q	P/Q	P/Q	P/Q	P/Q		P/M			hydrocarbon	P/W, after	P/M		week	P/3 times per	P/D		P/M	z	_ 	z	z	z	z	:	z	(P/C/N)	Frequency ²	
	Inspection	Inspection	Inspection	Inspection	Inspection		usage	Records of NaOCI	VOC loss	Estimate of daily		content	Analysis of VOC	content	Analysis of chlorine	Visual inspection		dissolved solids	None		None	None	None	None		Zona	Monitoring Type		
≺	~	~	~	~	~		Y		~			~		~		~		Υ	ĭ	:	Y	Y	~	Y		≺	Mc Cc Y	omitors omplian or N?	n

Date: Period:

September 30, 2012 March 1, 2011 to August 31, 2012

Site ID: Address:

1391 San Pablo Avenue Rodeo, CA 94572

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	Poc				POC		POC	POC	POC		Type of
40 CFR 60 Subpart VVa - 60.482-7 _a (b)	40 CFR 60 Subpart VVa - 60.482-3a (f)	40 CFR 60 Subpart VVa - 60.482-2a (e)	40 CFR 60 Subpart VVa - 60.482-2a (b)(2)	40 CFR 60 Subpart VVa - 60.482-2a (b)(1)	BAAQMD 8-28-304		BAAQMD 8-28-303	BAAQMD 8-18-306.3.3	BAAQMD 8-18-306.3.2	BAAQMD 8-18-306.2	Emission Limit Citation
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											Future Effective Date
Valve leak > 500 ppm	Leak is failure of seal or barrier system	Designated "No detectable emissions" less than 500 ppm	Pump leak Indicated by dripping liquid	Pump leak less than 2,000 ppm	efficiency.	PHA within 90 days and meet Prevention Measures Procedures. After 2nd release Vent Pressure Relief Devices to an Abatement Device with at least 95% by weight control	Vent Pressure Relief Devices to an Abatement Device with at least 95% by weight control efficiency or Meet Prevention Measures Procedures	Total valve, pressure relief, pump or compressor leaks > 15 lb/day, they must be repaired within 7 days	Mass emissions & non-repairable equipment allowed: Valve < 0.1 lb/day & <1.0%; Pressure Relief < 0.2 lb/day & < 5%; and Pump and Connector < 0.2 lb/day & < 5%	Awaiting repair Valves: < 0.5% Pressure Relief < 1% Pump and Connector < 1%	Emission Limits
40 CFR 60.482-7a (a)(1)	40 CFR 60.482-3a(d)-(f)	40 CFR 60.482-2(e)(3)	40 CFR 60.482-2a (a)(2)	40 CFR 60.482-2a (a)(1)	BAAQMD 8-28-405		BAAQMD 8-28-405	BAAQMD 8-18-502.4	BAAQMD 8-18-401.3	BAAQMD 8-18-401.5	Monitoring Requirements Citation
P/M unless 2 successive months w/o leak	c	P/A	PW	P/M	year	P/release per 5 calendar	P/turn-around	P/Q	P/D	P/within 24 hours	Monitoring Frequency ² (P/C/N)
Measure for leaks	Sensor for detection of seal or barrier system failure	Measure for leaks	Visual Inspection	Measure for leaks	None		None	Sampling or equivalent	Inspection	Inspection	Monitoring Type
~	~	~	~	*	~		~	~	<	~	Monitoring Compliance Y or N?

Site ID: Address: 1391 San Pabio Avenue

Rodeo, CA 94572

Date: September 30, 2012

Period: March 1, 2011 to August 31, 2012

During the reporting period specifed above, all required monitoring of the applicable limits as listed in Section VII of the Title V Major Facility Review Permit was conducted, except where indicated below. If a "No" is indicated in the column "Monitoring Compliance (Y or N)," see Attachment A for the deviation details.

23		22		21		20	•	19				1 8		17				Iter	n		
тос		TOC		POC		POC		POC				POC		POC				Limit	Type of		
23178, part 15	BAAOMD Condition	23178, part 11b	BAAQMD Condition	23178, part 6	BAAQMD Condition	- 60.482- 8a(b)	40 CFR 60 Subpart VVa	- 60.482- 8a(a)	40 CFR 60 Subpart VVa			- 60.482-7(f)	40 CFR 60 Subpart VVa	- 60.482-7a	40 CFR 60 Subpart VVa				Emission Limit	Commence of the control of the contr	
~		~		Υ		Υ		Υ				~		Υ				Y/N?			
																		Date			
pumps and compressors	< 100 ppm of TOC (measured as C1) at	valves	< 100 ppm of TOC (measured as C1) at	plant components < 3,000 lb/yr	Fugitive emissions of POC from hydrogen	Connectors leak > 10,000 ppm	Pressure Relief devices (liquid), Flanges,	for leak in 5 days if detected by inspection	Flanges, Connectors leak shall be measured	Pressure Relief devices (light or heavy liquid),	Pumps and valves in heavy liquid service,	mdd	Designated "No detectable emissions" < 500	w/o leaking	Valve leak < 500 ppm; 2 successive months			Emission Limits	The first control of the control of		The state of the s
23178, part 17	BAAQMD Condition	23178, part 17	BAAQMD Condition	23178, part 18	BAAQMD Condition	40 CFR 60.482-8a(a)		40 CFR 60.482-8a(a)				40 CFR 60.482-7 (f)(3)		40 CFR 60.482-7(c)				Citation	Requirements	Monitoring	The second secon
P/Q		P/Q		P/Q		P/E		P/E				P/A		monitoring	then monthly	leak found,	P/Q unless	(P/C/N)	Frequency	Monitoring=	
Method 21		Method 21		calculations	Method 21 and	Measure for leaks		olfactory Inspection	Visible, Audible, or			Measure for leaks		Measure for leaks				(P/C/N) Monitoring Type			
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FE = Federality enforceable

I certify under penalty of law that based on the information and belief formed after reasonable inquiry, the statements and information in this document and in all attachments and other materials are true, accurate, and complete.

Signature of Responsible Offic

Jared Wittry
Print Name

Plant Manager Title

Monitoring Frequency: P = Periodic; C = Continuous; N = None. Under Periodic, A = Annual; Q = Quarterly, M = Monthly; W = Weekly; D = Daily; H = Hourly; E = Per Event

Monitoring Compliance: Y = All required monitoring of the applicable limit was conducted; N = Not all required monitoring of the applicable limit was conducted. See noted deviation in Attachment A for details