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

Site ID: Address: B7419 1391 San Pablo Avenue Rodeo, CA 94572

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.

Date: Period: March 29, 2013 September 1, 2012 to February 28, 2013

10	9	ω	7	თ	(5)	4		ω	N	<u> </u>	So	ω	2		S	(tem = =
Hydrogen production	Electrical production	NH3	NH3	Throughput	Organic compounds	POC		POC	POC	POC	UTCENSTINAY	Organic compounds	NH3	SO2	Source MillSources	
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	23181, part 2d	BAAQMD Condition	BAAQMD Condition 23178, part 6	BAAQMD Condition 23178, part 4	BAAQMD 8-10-301	Source Sall Hydrogen Francisch Hanna	BAAQMD 8-2-301	BAAQMD Condition 23181, part A.2	BAAQMD 9-1-301		ensson Ludi Cledon
Υ	¥	z	z	~	≺ _	~		~	~	~		≺	~	~		William Fig.
120 MMscf H2/day	< 12 MW	0.64 lb/hr	5000 ppm	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 vessed 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)		Fuiri 3 icave
				/erage	tay AND 300 sis prohibited	and S3		000 lb/уг	ıs < 4.35 lb/day	process vessel intil pressure is n Hg		tay AND 300 sis prohibited	0% by weight	ons (0.5 ppm n; 0.05 ppm for		
	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	23181, part 4	BAAQMD Condition	BAAQMD Condition 23178, part 18	BAAQMD Condition 23178, part 9a	8-10-401.2 (SIP) and 8- 10-501 & 502 (non-SIP)		None	BAAQMD Condition 23181, part A.2	9-1-501 requires compliance with BAAQMD 1-510		Requirements
ဂ	ဂ	P/A	P/A	P/D	P/A	P/A		P/Q	P/A	P/E		Z	P/E	n		13 Televiser 13 Company 14 Company 14 Company 14 Company 14 Company 15 Company 16 Compan
Hydrogen flow monitoring	Records	Source test	Source test	Records	Source test	calculations	Annual source tests, inspection data, and	Inspection and calculations	Source test	Records		None	Records	SO2 GLM		
Υ	≺	~	≺	~	≺	<b>~</b>		~	~	<b>≺</b>		<b>*</b>	~	<b>~</b>		Monitoring Compliance You N/

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

Site ID: Address:

1391 San Pablo Avenue Rodeo, CA 94572

Date: Period:

March 29, 2013 September 1, 2012 to February 28, 2013

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NO <sub>x</sub>	NOx	NOx	NOX	Š	NOx	NOx		Heat input		Heat input		Zerom de la constitución de la c	S2 12 22	mist	Sulfuric acid	co		PM10		S02		NOx		Type of U	
40 CFR 60.102a(q)(2)	BAAQMD Condition 23181, part 2a	23179, part 10a	BAAOMD Condition	BAAQMD Condition	23179, part 7a.1	23179, part 5a	BAAQMD Condition	23179, part 3	BAAQMD Condition	23179, part 2	BAAQMD Condition		Hydrogenielanneumace	23181, part 2f	BAAQMD Condition	23181, part 2e	BAAQMD Condition	23181, part 2c	BAAQMD Condition	23181, part 2b	BAAQMD Condition	23181, part 2a	BAAQMD Condition	anssion Linui Otelier	
<b>~</b>	~	~	-	<	<b>~</b>	K		~		~				~		~		~		~		Υ		5 624KJ	
40 av <i>[E</i>	30	28	2	n -	sh	re	· 6 5	1,		9,1				0.		46		13		5.0		30		A.orojánostve <b>1.</b> Pa	
40 ppmv, dry, @ 0% O2 on a 24-hr rolling average basis Stayed until further notice. [Effective date 11/11/12 - Stay Lifted during reporting period]	30.9 tons per year for S1, S2, and S3	28.1 tons per any consecutive 12 months	SO 10 per Glock Hour	h por clock hour	shutdown, or drying of refractory	refractory	5 ppmv @ 3% O2 on a clock hour basis except during startup, shutdown, or drying of	1,072 MMbtu (HHV) during any clock hour		9,636,000 MMbtu (HHV) in any 12 months		TETETETETETETETETETETETETETETETETETETE		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		nissioù Limits	
40 CFR 60.107a(c)	BAAQMD Condition 23181, part 4	23179, part 13	BAAOMD Condition	BAAQMD Condition	23179, part 13	23179, part 13	BAAQMD Condition	23179, part 20	BAAQMD Condition	23179, part 20	BAAQMD Condition	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		23181, part 4	BAAQMD Condition	23181, part 4	BAAQMD Condition	23181, part 4	BAAQMD Condition	23181, part 4	BAAQMD Condition	23181, part 4	BAAQMD Condition	Requirements ortation	
င	P/A	С	C	ס	င	C		C		c		100000000000000000000000000000000000000		P/A		P/A		P/A		P/A		P/A		Fixed and	
CEM	CEM data and calculations	CEM	COM		CEM	CEM		records	Fuel meters, fuel analyzers, and	records	analyzers, and	Fuel meters, fuel		and calculations	Annual source tests,	calculations	co cem, annual source tests, and	calculations	Annual source test at S2 and	calculations	CEM and	calculations	CEM data and	MonitoringType	
z	<del></del>	~	-	<	~	Y		z		4				~		~		~		~		~		Monitor Gompil Y-or-N?	ance <sup>3</sup>

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

Site ID: Address: B7419

1391 San Pablo Avenue Rodeo, CA 94572

Date: Period:

March 29, 2013 September 1, 2012 to February 28, 2013

20	19	18	17	16	15	14	13	12	=	10	9	ltem=
Sulfuric acid mist	Sulfuric acid mist	Sulfuric acid mist	SO2	SO2	SO2	S02	SO2	co	co	со	S	
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	ariseog lämi Gietoj
<b>~</b>	~	_	<b>~</b>	~	Е	~	~	<b>~</b>	≺	<b>~</b>		
0.4:	860	0.09	20 p bas cale [Eff	5.0	5.0	shu	0.00 duri	46.2	34.2	9.1 shu	10 p exce refize	්ය ණ දිරිදේරිය දිරම
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 [Effective date 11/11/12 - Stay Lifted during reporting period]	5.0 tons per year for S1, S2, and S3	5.0 tons per any consecutive 12 months	<ol> <li>1.5 lb/clock hour except during startup, shutdown, or drying of refractory</li> </ol>	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	<ol> <li>9.1 lb/clock hour except during startup,</li> <li>shutdown, or drying of refractory</li> </ol>	10 ppmv @ 3% O2 on a clock hour basis except during startup, shutdown, or drying of refractory	enission, 4 vilis
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	BAAQN 23179.	BAAQMD Condition 23181, part 4	BAAQMD Condition 23179, part 19b	BAAQMD Condition 23179, part 19b	BAAQMD Condition 23179, part 19b	Monitoring Requirements Requirements Citation
P/A	P/A	P/A	o	P/A	P/A	P/A	P/A	P/A	C	C	ဂ	
Annual source tests, and calculations	Annual source tests, and calculations	Source test	CEM	Sulfur monitoring or CEM and calculations	Source test	Source test	Source test	CO CEM, annual source tests, and calculations	CEM .	CEM	CEM	
<b>*</b>	~	. ~	z	<	≺	~	N (determined by CEMS and fuel monitoring and not source test)	Y	Υ	~	~	Monitoring Completers Yeord No

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35	34	33	32	3	30		29		28		27		26		25		24		23		22		21		ltem===
FP	FP	Opacity	Opacity	02	NH3		NH3		NH3		NH3		NH3		POC		POC		POC		POC		mist	Sulfuric acid	Type of
SIP 6-305	BAAQMD 6-1-305	SIP 6-301	BAAQMD 6-1-301		23181, part 2g	BAAQMD Condition	23179, part 11	BAAQMD Condition	23179, part 8	BAAQMD Condition	N/A		23179, parts 6 and 21	BAAQMD Condition	23181, part 2d	BAAQMD Condition	23179, part 10c	BAAQMD Condition	23179, part 7a.3	BAAQMD Condition	23179, part 5c	BAAQMD Condition	23181, part 3	BAAQMD Condition	ariseoù Line Briseoù Line
Υ	Z	~	z	~	z		z		z		z		z		~		~		~		~		~		
															-										100 mm <sup>2</sup>
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	<ol><li>3.5 lb/clock hour except during startup,</li></ol>	refractory	0.0027 lb/MMbtu on a clock hour basis except during startup, shutdown, or drying of	2.35 lb/day for S1, S2, and S3		Emission Liulis
None	None	None	None	BAAQMD 1-520.1	23181, part 4	BAAQMD Condition	23179, part 23	BAAQMD Condition	23179, part 17a	BAAQMD Condition	23179, part 22	BAAQMD Condition	23179, part 17a	BAAQMD Condition	23181, part 4	BAAQMD Condition	28181, part B.4.f	BAAQMD Condition 23179, part 17 and	23179, part 17	BAAQMD Condition	23179, part 17	BAAQMD Condition	23181, part 4	BAAQMD Condition	Monitoring Requirements
z		z	z	C	P/A		per year	P/A or 4 times	P/A		С		P/A		P/A		P/A		P/A		P/A		P/A		
None	None	None	None	O2 Monitor	monitoring	Ammonia injection and heat input	calculations	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		Source test		and calculations	Annual source tests	Nonverne Type
Υ	Υ	Y	~	~	Y		~		~		~		~		~		Y		~		~		~		Monttoding, erangilanes YeordNiz

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NOx	NO <sub>X</sub>	SO2	FΡ	FP	FΡ	FP	Opacity	Opacity		Source IS3HHy	PM10			PM10		PM10		PM10		FP		FΡ		
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		lilydrogeni Ran Valarellillill	23181, part 2c	BAAQMD Condition	F	23179, part 10d	RAAOMD Condition	23179, part 7a.4	BAAOMD Condition	23179. part 5d	BAAOMD Condition	SIP 6-310.3		BAAQMD 6-1-310.3		ansiothrit
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12	2.	(8)	0.:	0.	Pr	Pr	an Z	an	₽.		13			13		sh	4.	re de	0.0	0.		0,		ි. මන්ත ක්රමාන මන්ත
129 lb per any consecutive 60 minutes	2.8 tons per any consecutive 12 months	Standard stayed until further notice)	0.15 grain/dscf @ 6% O2	02		Prohibition of nuisance	Ringelmann 1 for no more than 3 minutes in any hour		Ringelmann 1 for no more than 3 minutes in		13.8 tons per year for S1, S2, and S3			13.8 tons per any consecutive 12 months			k hour except during startup.	refractory	0.037 lb/MMbtu on a clock hour basis except	0.15 grain/dscf @ 6% O2		0.15 grain/dscf @ 6% O2		Emission Links
BAAQMD Condition 23180, part 5	BAAQMD Condition 23180, part 5	60.100a(3)(iii) Exemption from monitoring for gas streams from hydrogen plants	None for gaseous fired sources	None for gaseous fired sources	None	None	BAAQMD Condition 23180, parts 8-10	23180, parts 8-10	BAAQMD Condition		23181, part 4	BAAQMD Condition		28181, part B.4.f	BAAQMD Condition	23179, part 17	BAAOMD Condition	23179. part 17	BAAOMD Condition	sources	None for gaseous fired		None for gaseous fired	Monkoring Regumenens Citation
P/M	P/M	z	z	Z	Z	z	P/E	P/E			P/A			P/A		P/A		P/A		z		Z		Contours Received
Flow data and calculations	Flow data and calculations	None	None	None	None	None	Visible emissions monitoring	monitoring	Visible emissions		calculations	at S2 and	Annual source test	calculations	Source test and	Source test		Source test		None		None		Monitoring Type
<b>~</b>	~	N/A - Regulatory references not valid	~	Υ	Υ	Υ	~	~			<b>~</b>			<b>~</b>		~		≺		~		~		Manitorlog Gompilance <sup>1</sup> Y-or-N7

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19			<b>1</b> 8	17	16	15	14	13	12	]=	10	İtem
Velocity and heat content requirements			Presence of flame	VE	Sulfuric acid mist	SO2	CO	СО	PM10	POC	NOx	
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)(3) (i)		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	BAAQMD Condition 23181, part 2a	STEED LITE
			~	~	~	~	~	~	~	~	~	मंद्र काम अपन
										1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
3) Net heating value of gas greater than 1000 btu/scf and velocity greater than 60 ft/sec and less than 400 ft/sec	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	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;	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 lons 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	30.9 tons per year for S1, S2, and S3	Emission 4m is
40 CFR 60.18(f)(3), (4), and 5			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	BAAQMD Condition 23181, part 4	Monatoring Requirements Requirements Greaton
റ			C	P/E	P/A	P/A	P/A	P/M	P/A	P/A	P/A	Montoring Frequency (P)O/N
Volume measurements gas analysis			Thermocouple or equivalent device	Method 22	annual source tests, and calculations	Sulfur 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	CEM data and calculations	
≺			~	~	· ·	<b>~</b>	<b>~</b>	Υ	¥	Y	Y	Monitoring Compilance <sup>3</sup> Y-or N?

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POC		POC	POC		POC	POC	POC	Source Components	Chloroform		compounds	Organic		compounds	Organic	compounds	Organic	compounds	Organic	PM		FΡ	FP	FP	FΡ	Opacity		Opacity		4	Type of	
BAAQMD 8-18-306.1		BAAQMD 8-18-305	BAAQMD 8-18-304		BAAQMD 8-18-303	BAAQMD 8-18-302	BAAQMD 8-18-301				BAAQMD 8-2-301			BAAUMD 8-2-301		BAAQMD 8-2-301		BAAQMD 8-2-301		23414, part 2	BAAQMD Condition	SIP 6-311	BAAQMD 6-1-311	SIP 6-310	BAAQMD 6-1-310	SIP 6-301		301	BAAQMD Regulation 6-1	Coolinghrower	au sacrium Staton	
≺		~	Υ		~	<b>~</b>	Υ				<b>≺</b>			_	:	~		~		~		<b>Y</b>	z	<	z	~		z	_			
St	3 <	9	C		d	٨	G		Z		Ω	31		Ω	<u> </u>	Q	3(	R	3(	D		,to	40	0.	0.	ar	20	m	2		Paris Arcaive Dan E	
scheduled turnaround	Valve, pressure relief, pump or compressor must be repaired within 5 years or at the next	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 ppm as carbon and 15 lb organic		compounds/day	300 ppm as carbon and 15 lb organic	compounds/day	oon and 15 lb organic	compounds/day	organic	Dissolved solids < 3000 ppm		ton/hr	40 lb/hr	0.15 grain/dscf	0.15 grain/dscf	any hour	Ringelmann 1 for no more than 3 minutes in	minutes/hour	Ringelmann No. 1 for no more than 3		msofuns	
BAAQMD 8-18-502.4		BAAQMD 8-18-401.2	BAAQMD Condition 23178, part 18	BAAOMD 8-18-401 2e &	BAAQMD 8-18-401.2	BAAQMD 8-18-401.2	BAAQMD 8-18-401.2			BAAQMD Condition	23414, part 8	BAAQMD Condition		23414, part 4	BAAQMD Condition	23414, part 4	BAAQMD Condition	23414, part 3	BAAQMD Condition	23414, part 6	BAAQMD Condition	None	None	None	None	None		None			Monitoring Requirements Citation	
P/quarterly		P/Q	P/Q		D/Q	P/Q	P/Q		P/M		leak	hydrocarbon	indication of	7 P/M	) : :	week	P/3 times per	P/D		P/M		z	z		z			z			Montioning Teatherns in the CN	
Report		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	Analysis total	None	None	None	None	None		None			Mositoringstype	
~	_	~	<b>~</b>		~	Y	Υ		~	_	~			Υ	<b>(</b>	~		~		~		<b>~</b>	~	~	~	~		~			Monitoring Compilanco You N?	

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

 Site ID:
 B7419

 Address:
 1391 Sail

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> Date: March Period: Septe

March 29, 2013 September 1, 2012 to February 28, 2013

16	5	14	13	12	<b>⇒</b>	10	9	σ	7	Item
POC	POC	POC	POC	POC	POC	POC	POC	Poc	POC	Type of
40 CFR 60 Subpart VVa -	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	enissor Imi
<b>≺</b>	~	<u> </u>	~	~	~	~	<b>≺</b>	≺	~	<b>3</b> 3
		± [		70	Ф C T Z T	<b>7</b>	7 C	<b>בש</b> ם סד	71 D	÷darę Bissawo Dero
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	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 efficiency.	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%	INSSION IN
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	Acquirements
P/M unless 2 successive months w/o leak	C	P/A	PW	P/M	P/release per 5 calendar year	P/turn-around None	P/Q	P/D	P/within 24 hours	Mentioring Frequency (FRE)
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	Montoring Types
≺	<b>⊀</b>	~	≺	<b>~</b>	≺	≺	<b>~</b>	<b>≺</b>	Y	Monitoring Compliance≌ Ysor:NR

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

Address: Site ID:

Rodeo, CA 94572 1391 San Pablo Avenue

Period: Date: March 29, 2013

September 1, 2012 to February 28, 2013

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.

22	22 1	_	21 F		20 F		19 F				18 F		17 P				Item=	
TOC	100		POC		POC		POC				POC		POC				2 % 0	
BAAQMD Condition 23178, part 15	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			enser Lot.	
≺	_		Y		~		~				_<		~					
																	enter Economic Service Economic	
< 100 ppm of TOC (measured as C1) at pumps and compressors	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,	ppm	Designated "No detectable emissions" < 500	w/o leaking	Valve leak < 500 ppm; 2 successive months			Emission fluits	
BAAQMD Condition 23178, part 17	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)				Requirements Charlon	
P/Q	P/Q		P/Q		P/E		P/E				P/A		monitoring	then monthly	leak found,	P/Q unless	Figure 107	
Method 21	Method 21		calculations	Method 21 and	Measure for leaks		olfactory Inspection	Visible, Audible, or			Measure for leaks		Measure for leaks				Mon (c. ng Type)	
~	Y		<b>~</b>		~		~				<b>Y</b>		~				Monitori Complia Y-or-Nr	

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

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 Official

Jared Wittry
Print Name

Monitoring Comptiance: 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