DEPARTMENT OF ENVIRONMENTAL QUALITY

KATHLEEN BABINEAUX BLANCO
GOVERNOR

MIKE D. McDANIEL, Ph.D.
SECRETARY

Certified Mail No.

Activity No.: PER20040004
Agency Interest No. 89237

Mr. Larry Locicero
Plant Manager
INEOS Oxide, A Division of INEOS Americas, LLC
PO Box 718
Plaquemine, LA 70765-0718

RE: Part 70 Operating Permit, Ethanolamines Plant, INEOS Oxide - A Division of INEOS Americas, LLC , Plaquemine, Iberville Parish, Louisiana

Dear Mr. Locicero:

This is to inform you that the permit for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the ___ of _____, 2011, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and Agency Interest No. cited above should be referenced in future correspondence regarding this facility.

Done this _____ day of _____, 2006.

Permit No.: 2599-V0

Sincerely,

For
Public
Notice

ENVIRONMENTAL **SERVICES**
: PO BOX 4313, BATON ROUGE, LA 70821-4313
P:225-219-3181 F:225-219-3309
WWW.DEQ.LOUISIANA.GOV

PUBLIC NOTICE
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY (LDEQ)
INEOS AMERICAS, LLC / INEOS OXIDE
ETHANOLAMINES PLANT
PROPOSED INITIAL PART 70 AIR OPERATING PERMIT

The LDEQ, Office of Environmental Services, is accepting written comments on a Proposed Initial Part 70 Air Operating Permit for INEOS Oxide, A Division of INEOS Americas, LLC, P.O. Box 718, Plaquemine, LA 70765 for the Ethanolamine Plant. **The facility is located at 21255A Highway 1 (within Block 55 of the Dow Chemical Company Louisiana Operations in Plaquemine, Iberville Parish.**

INEOS Oxide proposes to revise the throughput of several emission points to reflect current operations, amend/revise several existing specific conditions to more accurately reflect plant operations, and include a new specific condition to allow for the removal or addition of fugitive piping components. INEOS Oxide is required to meet the Part 70 air operating permit requirements due to the recent ozone redesignation status. Currently, the Ethanolamines Plant is covered under State Permit 2599 (M-1) issued on September 22, 2003. The Ethanolamines Plant produces monoethanolamine (MEA), diethanolamine (DEA), triethanolamine (TEA), and other higher molecular weight products from the reaction of aqueous ammonia (NH3) and ethylene oxide (EO). The finished EA products are stored in tanks, and shipped to customers either by drums, tank trucks, rail cars, barges and/or ships. The drum, tank truck, and rail car loading facilities are located in Block 56 of Dow's Louisiana Operations, Plaquemine site..

Estimated emissions from the Ethanolamines Plant, in tons per year are as follows:

Pollutant	Before	After	Change
PM_{10}	26.67	26.67	0.0
SO_2	-	-	-
NO_X	-	-	-
CO	-	-	-
VOC[1]	10.57	10.60	+0.03
[1]Toxic VOC included in Totals	1.11	1.11	0.0
Toxic Non-VOC Compounds	2.10	3.46	+1.27

Toxic compounds include the following compounds whose potential to emit is above the Minimum Emission Rate (MER) listed in LAC 33:III.Chapter 51. Table 51.1: ammonia, chlorine, and ethylene oxide.

The contiguous emissions from the PEG, EA, and GE plants exceed the VOC major source threshold; therefore, this permit is subject to the Part 70 Operating Permit Program. Estimated emissions in tons per year from these plants are as follows:

	PM_{10}	SO_2	NO_X	CO	VOC
PEG Plant [a]	0.03	-	-	-	2.41
GE Plant [b]	-	-	-	-	47.96
EA Plant [c]	26.67	-	-	-	10.60
Total	26.70	-	-	-	60.97[d]

a Based on estimated emissions from this permit.
b Based on estimated emissions stated in application dated June 10, 2005.
c Based on estimated emissions stated in application dated February 7, 2006.
d Exceeds the major source threshold of 50 TPY for marginal non-attainment areas operating under the LDEQ Ozone Emergency Rule, as of June 15, 2005.

Written comments, written requests for a public hearing or written requests for notification of the final decision regarding this permit action may be submitted to Ms. Soumaya Ghosn at LDEQ, Public Participation Group, P.O. Box 4313, Baton Rouge, LA 70821-4313. **Written comments and/or written requests must be received by 12:30 p.m., Thursday, April 6, 2006.** Written comments will be considered prior to a final permit decision.

If LDEQ finds a significant degree of public interest, a public hearing will be held. LDEQ will send notification of the final permit decision to the applicant and to each person who has submitted written comments or a written request for notification of the final decision.

The application, proposed initial Part 70 air operating permit, and statement of basis are available for review at the LDEQ, Public Records Center, Room 127, 602 North 5th Street, Baton Rouge, LA. Viewing hours are from 8:00 a.m. to 4:30 p.m., Monday through Friday (except holidays). Additional copies may be reviewed at the West Baton Rouge Parish Library, 830 North Alexander, Port Allen, Louisiana 70767 and the Iberville Parish Library, Headquarters, 24605 J. Gerald Berret Boulevard, Plaquemine, LA 70764.

Inquiries or requests for additional information regarding this permit action should be directed to Ms. Cathy E. Thompson, LDEQ, Air Permits Division, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-0034.

Persons wishing to be included on the LDEQ permit public notice mailing list or for other public participation related questions should contact the Public Participation Group in writing at LDEQ, P.O. Box 4313, Baton Rouge, LA 70821-4313, by email at maillistrequest@ldeq.org or contact the LDEQ Customer Service Center at (225) 219-LDEQ (219-5337).

Permit public notices including electronic access to the proposed permit and statement of basis can be viewed at the LDEQ permits public notice webpage at www.deq.state.la.us/news/PubNotice/ and general information related to the public participation in permitting activities can be viewed at www.deq.louisiana.gov/portal/tabid/2198/Default.aspx.

Alternatively, individuals may elect to receive the permit public notices via email by subscribing to the LDEQ permits public notice List Server at http://www.state.la.us/ldbc/listservpage/ldeq_pn_listserv.htm.

All correspondence should specify AI Number 89237, Permit Number 2599-V0, and Activity Number PER20040004.

Publication date: March 2, 2006.

AIR PERMIT BRIEFING SHEET
PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

ETHANOLAMINES PLANT
AGENCY INTEREST NO.: 89237
INEOS OXIDE - A DIVISION OF INEOS AMERICAS, LLC
PLAQUEMINE, IBERVILLE PARISH, LOUISIANA

On June 23, 2003, the major source threshold for ozone (VOC and NO_x emissions) changed from 50 tons per year to 25 tons per year. INEOS's facility-wide VOC emissions are greater than 25 tons per year, therefore, all Block 55 plants are considered to be a major source with respect to the Title V Operating Permit and Non-attainment New Source Review programs.

On April 30, 2004, EPA enacted 8-hour ozone NAAQS classifications, effective June 15, 2004 (69 FR 23858). In order to transition from the existing 1-hour standard to the new 8-hour standard, EPA adopted a rule for implementation of the 8-hour ozone NAAQS – the "Phase 1 Implementation Rule" – on April 30, 2004 (69 FR 23951). The Phase 1 Implementation Rule revoked the 1-hour standard in full, including the associated designations and classifications, effective June 15, 2005.

On June 10, 2005, Secretary McDaniel of LDEQ issued an emergency rule necessary to address two of the most immediate aspects of the 8-hour ozone NAAQS implementation: 1) the revision of LAC 33:III.711 to replace the 1-hour primary ambient air quality standard with the 8-hour standard; and 2) the revision of nonattainment new source review provisions for parishes that were reclassified from severe under the 1-hour standard to marginal under the 8-hour standard (Ascension, East Baton Rouge, Iberville, Livingston, and West Baton Rouge). The emergency rule became effective June 15, 2005. This permit addresses these changes.

In addition, INEOS proposes to amend Specific Condition No. 1 of Permit No. 2599(M-1) to more appropriately reflect current operations. Specific Condition No. 1 is therefore Specific Requirement Nos. 25 and 48 of this Part 70 Operating Permit. Other proposed changes are as follows:

- Add a new Specific Requirement to address the addition or removal of fugitive emission piping component(s), FUG003/EIQDS, without triggering the need to apply for a permit modification, provided INEOS meets certain conditions, listed as Specific Requirement 54 of this Part 70 Operating Permit;
- Revise Specific Condition No. 4 regarding Emission Point DT of Permit No. 2599(M-1) to more accurately reflect current operations. Addressed as Specific Requirement Nos. 190 and 193 of this Part 70 Operating Permit. Also, Emission Point DT is listed as a GCXVII Activity in this Part 70 Operating Permit.
- Remove Special Condition No. 6 of Permit No. 2599(M-1) as 40 CFR 60 Subpart Kb is not an applicable requirement for EQT063/EIQMX and EQT064/EIQMY as a result of the 2003 revision to the federal regulation;
- Revision of throughputs for several storage tanks to reflect current operations;

- Correction of the minimum water flowrate for EIQ1M from 35,000 lb/hr in Special Condition No. 8 of Permit No. 2599(M-1) to 15,000 lb/hr for EQT044/EIQ1M in Specific Requirement No. 12 of this Part 70 Operating Permit;
- Revision of ammonia emissions for EQT044/EIQ1M;
- Update to the ammonia compressor emissions RLP010/EIQWK to reflect that tanks cars are no longer degassed as part of normal operations;
- Revision of the regulatory requirements for the Area 3 Sump ARE002/EIQN6 to reflect the correct applicability of LAC 33:III.2153; and
- Correction of the equipment number for the phosphorous acid tank which is listed as an Insignificant Activity in this Part 70 Operating Permit.

Estimated emissions in tons per year are as follows:

Pollutant	Before	After	Change
PM_{10}	26.67	26.67	0.0
SO_2	-	-	-
NO_X	-	-	-
CO	-	-	-
VOC*	10.57	10.60	+0.03

*VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):

Pollutant	Before	After	Change
Acetaldehyde	<0.01	<0.01	0.0
Glycol Ethers (Table (51.1)[1]	<0.001	<0.001	0.0
Glycol Ethers (Table (51.3)[2]	<0.001	<0.001	0.0
Diethanolamine[3]	0.42	0.42	0.0
Ethylene Oxide	0.69	0.69	0.0
Total	1.11	1.11	0.0

[1]Refers to emissions of Cellosolve
[2]Refers to emissions of Carbitol and Ethoxytriglycol
[3] Some pollutants were present but unaccounted for in previous permitting activities

*Other VOC (TPY): 9.49

NON-VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):

Pollutant	Before	After	Change
Ammonia	2.10	3.37	+1.27
Chlorine	0.09	0.09	0.0
Sulfuric Acid	<0.01	<0.01	0.0
Total	2.10	3.46	+1.27

The contiguous emissions from the PEG, EA, and GE plants exceed the VOC major source threshold; therefore, this permit is subject to the Part 70 Operating Permit Program. Estimated emissions in tons per year from these plants are as follows:

	PM_{10}	SO_2	NO_X	CO	VOC
PEG Plant [a]	0.03	-	-	-	2.41
GE Plant [b]	-	-	-	-	47.96
EA Plant [c]	26.67	-	-	-	10.60
Total	26.70	-	-	-	60.97[d]

a Based on estimated emissions from this permit.
b Based on estimated emissions stated in application dated June 10, 2005.
c Based on estimated emissions stated in application dated February 7, 2006.
d Exceeds the major source threshold of 50 TPY for marginal non-attainment areas operating under the LDEQ Ozone Emergency Rule, as of June 15, 2005.

IV. Type of Review

This permit was reviewed for compliance with 40 CFR 70, the Louisiana Air Quality Regulations, New Source Performance Standards (NSPS), and National Emission Standards for Hazardous Air Pollutants (NESHAP).

Although the INEOS Oxide–Ethanolamine Plant is in one of the twenty-eight (28) listed source categories of the Prevention of Significant Deterioration (PSD) and Non-attainment New Source Review (NNSR) regulations, PSD/NNSR review is not required because the emissions increase of 0.03 TPY is below the NNSR significance threshold for VOC.

This facility is a minor source for toxic air pollutants (TAPs) but was formerly part of DOW, a major source of TAPs pursuant to LAC 33:III.Chapter 51, prior to transferring operations. Because the facility was previously a major source for TAPs, it is required to comply with LAC 33:III.5101.A, 5105.A, 5107.A - C, 5111.A.4, and 5113. However, for those sources previously subject to LAC 33:III.5109.A MACT requirements, LAC 33:III.5109.A, still applies. The facility meets LAC 33:III.5019.A MACT requirements by complying with certain requirements of the HON-40 CFR 63 Subparts F, G and H for specified emissions sources.

V. Credible Evidence

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

VI. Public Notice

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on **<date>**, 2006; and in the <local paper>, <local town>, on **<date>**, 2006. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on **<date>**. The draft permit was also submitted to US EPA Region VI on **<date>**. All comments will be considered prior to the final permit decision.

VII. Effects on Ambient Air

Dispersion Model(s) Used: None

VIII. General Condition XVII Activities

Work Activity	Schedule	Emission Rates - tons				
		PM_{10}	SO_2	NO_X	CO	VOC
Normal Process Sampling Losses	Varies [maximum is from 6 to 18 times per day for seven different events]					<0.001
Check Tank Sampling	Varies [maximum is from 600 to 1200 turnovers per year for four different events]					<0.001
Ammonia Tank Car Off-loading Sampling	567 tank cars per year					<0.001
Tank Cleaning	19 tanks, each is cleaned one time per year					0.17
Equipment Opening Losses	Varies [maximum is from 4 to 12 times per year for four different events]					<0.01

IX. Insignificant Activities

ID No.:	Description	Citation
	Sampling Emissions from Lab Hoods	Insignificant Activity per LAC 33:III.501.B.5.A.6.
AC	Drum D-285 (470 gallons)	LAC 33.III.501.B.5.A.3.
AD	Drum D-245 (1269 gallons)	LAC 33.III.501.B.5.A.3.
AP	Phosphorous Acid Tank D-225 (4018.6 gallons)	LAC 33.III.501.B.5.A.4.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III.Chapter																				
		2*	5*	9	11	13	15	2103	2107	2108	2111	2113	2115	2122	2147	2149	2153	29*	51*	53	56	59
GRP008	FACILITY WIDE/ETHANOLAMINES PLANT	1	1	1	1	1						1	3					1	1		1	1
GRP003	AO - EA Loading Emissions Cap (See EIQs AO-1, AO-2, AO-3, AO-4)																		1			
ARE001	N5 - Area 2 Sump																1		1			
ARE002	N6 - Area 3 Sump																1		1			
ARE003	N7 - Tank Car Sump																1		1			
ARE004	N8 -Tank Truck Sump																3		1			
EQT044	1M - EA Ammonia Scrubber T-211 for Reactors R-201 and R-201														3				1			
EQT045	9L - EA Tank DV-255							3														
EQT046	9M - EA Tank DV-265							3											1			
EQT047	9N - EA Tank DV-275							3														
EQT048	9O - EA Tank DV-276							3														
EQT049	9P - EA Tank DV-277							3														

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III.Chapter																				
		2*	5*	9	11	13	15	2103	2107	2108	2111	2113	2115	2122	2147	2149	2153	29*	51*	53	56	59
EQT050	9Q - EA Tank DV-278							3											1			
EQT051	A3 - EA Tank DV-243A							3											1			
EQT052	AO-1 - EA Tank Truck Loading Operations																					
EQT053	AQ - Sulfuric Acid Tank D-502							3											1			
EQT054	LS - EA Tank DV-243B							3											1			
EQT055	LY - EA Tank DV-252A							3														
EQT056	M0 - EA Tank DV-252B							3														
EQT057	M1 - EA Tank DV-262A							3											1			
EQT058	M2 - EA Tank DV-262B							3											1			
EQT059	M3 - EA Tank DV-272A							3														
EQT060	M4 - EA Tank DV-272B							3														
EQT061	M5 - EA Tank DV-273A							3														
EQT062	M6 - EA Tank DV-273B							3														
EQT063	MX - EA Tank DV-250							3														
EQT064	MY - EA Tank DV-260							3											1			

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		2*	5*	9	11	13	15	2103	2107	2108	2111	2113	2115	2122	2147	2149	2153	29*	51*	53	56	59
EQT065	WL - EA/GE Cooling Tower																		1			
EQT066	AO2 - EA Rail Car Loading Operations								3													
EQT067	AO3 - EA Drum Loading Operations								3													
EQT068	AO4 - EA Marine Loading Operations									3												
RLP005	PK - EA Ejector Vent # 1 (EJ-252)														3				1			
RLP006	PL - EA Ejector Vent # 2 (EJ-260)														3				1			
RLP007	PM - EA Ejector Vent # 3 (EJ-271)														3				1			
RLP008	PN - EA Ejector Vent # 4 (EJ-280)														3				1			
RLP009	PO - EA Steam Ejector Condensation Drum Vent (D-280)														3				1			
RLP010	WK - Vent to Ammonia Compressor																		1			
FUG003	DS - EA Fugitive Emissions										1			1					1			

* The regulations indicated above are State Only regulations except for LAC 33:III.501.C.6 Limitations that specifically state that the regulation is Federally Enforceable.

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KEY TO MATRIX

1 -The regulations have applicable requirements that apply to this particular emission source.
-The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.

2 -The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.

3 -The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS								40 CFR 61			40 CFR 63						40 CFR				
		A	K	Ka	Kb	VV	NNN	RRR	YYY	A	FF	M	A	F	G	H	Q	Y	52	64	68	70	82
GRP008	FACILITY WIDE/ETHANOLAMINES PLANT						1		3	1	1	1	1	1	1	1				3	1	1	1
GRP003	AO - EA Loading Emissions Cap (See EIQs AO-1, AO-2, AO-3, AO-4)																						
ARE001	N5 - Area 2 Sump																						
ARE002	N6 - Area 3 Sump																						
ARE003	N7 - Tank Car Sump																						
ARE004	N8 -Tank Truck Sump																						
EQT044	1M - EA Ammonia Scrubber T-211 for Reactors R-201 AND R-202							3															
EQT045	9L - EA Tank DV-255				3																		
EQT046	9M - EA Tank DV-265				3																		
EQT047	9N - EA Tank DV-275				3																		
EQT048	9O - EA Tank DV-276				3										1								
EQT049	9P - EA Tank DV-277				3										1								
EQT050	9Q - EA Tank DV-278				3										1								

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS								40 CFR 61			40 CFR 63						40 CFR				
		A	K	Ka	Kb	VV	NNN	RRR	YYY	A	FF	M	A	F	G	H	Q	Y	52	64	68	70	82
EQT051	A3 - EA Tank DV-243A				3										1								
EQT052	AO-1 - EA Tank Truck Loading Operations														1								
EQT053	AQ - Sulfuric Acid Tank D-502				3										3								
EQT054	LS - EA Tank DV-243B				3										1								
EQT055	LY - EA Tank DV-252A				3										1								
EQT056	M0 - EA Tank DV-252B				3										1								
EQT057	M1 - EA Tank DV-262A				3										1								
EQT058	M2 - EA Tank DV-262B				3										1								
EQT059	M3 - EA Tank DV-272A				3										1								
EQT060	M4 - EA Tank DV-272B				3										1								
EQT061	M5 - EA Tank DV-273A				3										1								
EQT062	M6 - EA Tank DV-273B				3										1								
EQT063	MX - EA Tank DV-250				3										1								

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS								40 CFR 61			40 CFR 63						40 CFR				
		A	K	Ka	Kb	VV	NNN	RRR	YYY	A	FF	M	A	F	G	H	Q	Y	52	64	68	70	82
EQT064	MY - EA Tank DV-260				3										1								
EQT065	WL - EA/GE Cooling Tower													1			3						
EQT066	AO2 - EA Rail Car Loading Operations														1								
EQT067	AO3 - EA Drum Loading Operations																						
EQT068	AO4 - EA Marine Loading Operations																	3					
RLP005	PK - EA Ejector Vent # 1 (EJ-252)						3								1								
RLP006	PL - EA Ejector Vent # 2 (EJ-260)						3								1								
RLP007	PM - EA Ejector Vent # 3 (EJ-271)						1								1								
RLP008	PN - EA Ejector Vent # 4 (EJ-280)						1								1								
RLP009	PO - EA Steam Ejector Condensation Drum Vent (D-280)						3								1								
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FUG003	DS - EA Fugitive Emissions					3								1		1							

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3 -The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
GRP008 FACILITY WIDE/ ETHANOLAMINES PLANT	Waste Gas Disposal [LAC 33:III.2115]	DOES NOT APPLY. This Section does not apply to waste gas streams that must comply with a control requirement, meet an exemption, or are below an applicability threshold specified in another section of LAC 33:III.Chapter 21. This Section does not apply to waste gas streams that are required by another federal or state regulation to implement controls that reduce VOC to a more stringent standard than would be required by this Section. [LAC 33:III.2115]
	COMPLIANCE ASSURANCE MONITORING [40 CFR 64]	DOES NOT APPLY. This is an Initial Title V Permit and the EA Plant does not have any major source units that have the potential to emit greater than 100 tons of a regulated air pollutant before controls.

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
GRP008 FACILITY WIDE/ ETHANOLAMINES PLANT CONTINUED	NSPS Subpart YYY – Standards of Performance for Volatile Organic Compound (VOC) Emissions From Synthetic Organic Chemical Manufacturing Industry (SOCMI) Wastewater for which construction, modification, or reconstruction commences after September 12, 1994 [40 CFR 60.770]	DOES NOT APPLY. Regulation has been proposed but not promulgated. Also the EA Plant complies with the HON, 40 CFR 63 Subparts F and G
ARE001 EA AREA 2 SUMP (EIQN5)	Subchapter M. Limiting Volatile Organic Compound Emissions from Industrial Wastewater [LAC 33:III.2153]	EXEMPT. Wastewater components are exempt from the control requirements of Subsection B since the annual VOC loading in the wastewater is less than 10 megagrams. [LAC 33:III.2153.A]
ARE002 EA AREA 3 SUMP (EIQN6)	Subchapter M. Limiting Volatile Organic Compound Emissions from Industrial Wastewater [LAC 33:III.2153]	EXEMPT. Wastewater components are exempt from the control requirements of Subsection B since the annual VOC loading in the wastewater is less than 10 megagrams. [LAC 33:III.2153.A]
ARE003 EA TANK CAR SUMP (EIQN7)	Subchapter M. Limiting Volatile Organic Compound Emissions from Industrial Wastewater [LAC 33:III.2153]	EXEMPT. Wastewater components are exempt from the control requirements of Subsection B since the annual VOC loading in the wastewater is less than 10 megagrams. [LAC 33:III.2153.A]

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
ARE004 EA TANK TRUCK SUMP (EIQN8)	Subchapter M. Limiting Volatile Organic Compound Emissions from Industrial Wastewater [LAC 33:III.2153]	DOES NOT APPLY. The wastewater to this sump is not an affected wastewater stream as defined in LAC 33:III.2153.A, because the wastewater stream does not have a VOC concentration greater than or equal to 10,000 parts per million by weight or a flow rate greater than or equal to 10 liters per minute (2.64 gpm) as determined in accordance with Subsection H of this Section.
EQT044 EA Ammonia Scrubber T-211 for Reactors R-201 and R-202 (EIQ1M)	NSPS Subpart RRR – Standards of Performance for Volatile Organic Compound (VOC) Emissions From Synthetic Organic Chemical Manufacturing Industry (SOCMI) Reactor Processes [40 CFR 60.700-708]	DOES NOT APPLY. Reactors do not vent VOCs.
	Control of Emissions of Organic Compounds – Limiting VOC Emissions from SOCMI Reactor Processes and Distillation Operations [LAC 33:III.2147]	DOES NOT APPLY. Reactors do not vent VOCs.
EQT045 TANK DV-255 (EIQ9L)	Control of Emissions of Organic Compounds - Storage of Volatile Organic Compounds [LAC 33:III.2103]	DOES NOT APPLY. Tank stores liquid with true vapor pressure <1.5 psia at storage conditions. [LAC 33:III.2103.A]

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT045 TANK DV-255 (EIQ9L) CONTINUED	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b]	DOES NOT APPLY. Source complies with the HON, 40 CFR 63 Subparts F and G [40 CFR 63.101 and 40 CFR 63.119]
	National Emission Standards for Organic Hazardous Air Pollutants From the Synthetic Organic Chemical Manufacturing Industry- Subparts F and G [40 CFR 63.101 and 40 CFR 63.119]	EXEMPT from control requirements. Group 2 Storage Tank, only recordkeeping is required as capacity > 151 cubic meters (40,000 gallons) and the maximum true vapor pressure is < 5.2 kilopascals (0.75) psia for all compounds stored in this vessel at storage temperature.
EQT046 TANK DV-265 (EIQ9M)	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b]	DOES NOT APPLY. Source complies with the HON, 40 CFR 63 Subparts F and G [40 CFR 63.110(b)]
	Control of Emissions of Organic Compounds - Storage of Volatile Organic Compounds [LAC 33:III.2103]	DOES NOT APPLY. Tank stores liquid with true vapor pressure <1.5 psia at storage conditions. [LAC 33:III.2103.A]

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT046 TANK DV-265 (EIQ9M) CONTINUED	National Emission Standards for Organic Hazardous Air Pollutants From the Synthetic Organic Chemical Manufacturing Industry- Subparts F and G [40 CFR 63.101 and 40 CFR 63.119]	EXEMPT from control requirements. Group 2 Storage Tank, only recordkeeping is required as capacity > 151 cubic meters (40,000 gallons) and the maximum true vapor pressure is < 5.2 kilopascals (0.75) psia for all compounds stored in this vessel at storage temperature.
EQT047 TANK DV-275 (EIQ9N)	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b]	DOES NOT APPLY. Source complies with the HON, 40 CFR 63 Subparts F and G [40 CFR 63.110(b)]
	Control of Emissions of Organic Compounds - Storage of Volatile Organic Compounds [LAC 33:III.2103]	DOES NOT APPLY. Tank stores liquid with true vapor pressure <1.5 psia at storage conditions. [LAC 33:III.2103.A]

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT047 TANK DV-275 (EIQ9N) CONTINUED	National Emission Standards for Organic Hazardous Air Pollutants From the Synthetic Organic Chemical Manufacturing Industry- Subparts F and G [40 CFR 63.101 and 40 CFR 63.119]	EXEMPT from control requirements. Group 2 Storage Tank, only recordkeeping is required as capacity > 151 cubic meters (40,000 gallons) and the maximum true vapor pressure is < 5.2 kilopascals (0.75) psia for all compounds stored in this vessel at storage temperature.
EQT048 TANK DV-276 (EIQ9O)	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b]	DOES NOT APPLY. Source complies with the HON, 40 CFR 63 Subparts F and G [40 CFR 63.110(b)]
	Control of Emissions of Organic Compounds - Storage of Volatile Organic Compounds [LAC 33:III.2103]	DOES NOT APPLY. Tank stores liquid with true vapor pressure <1.5 psia at storage conditions. [LAC 33:III.2103.A]

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT048 TANK DV-276 (EIQ9O) CONTINUED	National Emission Standards for Organic Hazardous Air Pollutants From the Synthetic Organic Chemical Manufacturing Industry- Subparts F and G [40 CFR 63.101 and 40 CFR 63.119]	EXEMPT from control requirements. Group 2 Storage Tank, only recordkeeping is required as capacity > 151 cubic meters (40,000 gallons) and the maximum true vapor pressure is < 5.2 kilopascals (0.75) psia for all compounds stored in this vessel at storage temperature.
EQT049 TANK DV-277 (EIQ9P)	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b]	DOES NOT APPLY. Source complies with the HON, 40 CFR 63 Subparts F and G [40 CFR 63.110(b)]
	Control of Emissions of Organic Compounds - Storage of Volatile Organic Compounds [LAC 33:III.2103]	DOES NOT APPLY. Tank stores liquid with true vapor pressure <1.5 psia at storage conditions. [LAC 33:III.2103.A]

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT049 TANK DV-277 (EIQ9P) CONTINUED	National Emission Standards for Organic Hazardous Air Pollutants From the Synthetic Organic Chemical Manufacturing Industry- Subparts F and G [40 CFR 63.101]	EXEMPT from control requirements. Group 2 Storage Tank, only recordkeeping is required as capacity > 151 cubic meters (40,000 gallons) and the maximum true vapor pressure is < 5.2 kilopascals (0.75) psia for all compounds stored in this vessel at storage temperature.
EQT050 TANK DV-278 (EIQ9Q)	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b]	DOES NOT APPLY. Source complies with the HON, 40 CFR 63 Subparts F and G [40 CFR 63.110(b)]
	National Emission Standards for Organic Hazardous Air Pollutants From the Synthetic Organic Chemical Manufacturing Industry- Subparts F and G [40 CFR 63.101 and 40 CFR 63.119]	EXEMPT from control requirements. Group 2 Storage Tank, only recordkeeping is required as capacity > 151 cubic meters (40,000 gallons) and the maximum true vapor pressure is < 5.2 kilopascals (0.75) psia for all compounds stored in this vessel at storage temperature.

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT050 TANK DV-278 (EIQ9Q) CONTINUED	Control of Emissions of Organic Compounds - Storage of Volatile Organic Compounds [LAC 33:III.2103]	DOES NOT APPLY. Tank stores liquid with true vapor pressure <1.5 psia at storage conditions. [LAC 33:III.2103.A]
EQT051 TANK DV-243A (EIQA3)	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b]	DOES NOT APPLY. Source complies with the HON, 40 CFR 63 Subparts F and G [40 CFR 63.110(b)]
	Control of Emissions of Organic Compounds - Storage of Volatile Organic Compounds [LAC 33:III.2103]	DOES NOT APPLY. Tank stores liquid with true vapor pressure <1.5 psia at storage conditions. [LAC 33:III.2103.A]
	National Emission Standards for Organic Hazardous Air Pollutants From the Synthetic Organic Chemical Manufacturing Industry- Subparts F and G [40 CFR 63.101 and 40 CFR 63.119]	EXEMPT from control requirements. Group 2 Storage Tank, only recordkeeping is required as capacity is < 75 cubic meters (19,813 gallons)

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT052 EA TANK TRUCK LOADING OPERATIONS (EIQ AO1)	Control of Emissions of Organic Compounds - Volatile Organic Compounds-Loading [LAC 33:III.2107]	DOES NOT APPLY. True vapor pressures of all products loaded are <1.5 psia. [LAC 33:III.2107.A]
EQT53 TANK DV-502 (EIQAQ)	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b]	DOES NOT APPLY. Storage tank does not store a Volatile Organic Liquid.
	Control of Emissions of Organic Compounds - Storage of Volatile Organic Compounds [LAC 33:III.2103]	DOES NOT APPLY. Tank stores liquid with true vapor pressure <1.5 psia at storage conditions. [LAC 33:III.2103.A]
	National Emission Standards for Organic Hazardous Air Pollutants From the Synthetic Organic Chemical Manufacturing Industry- Subparts F and G [40 CFR 63.101 and 40 CFR 63.119]	DOES NOT APPLY. Tank does not store an OHAP.

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT054 TANK DV-243B (EIQLS)	Control of Emissions of Organic Compounds - Storage of Volatile Organic Compounds [LAC 33:III.2103]	DOES NOT APPLY. Tank stores liquid with true vapor pressure <1.5 psia at storage conditions. [LAC 33:III.2103.A]
	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b]	DOES NOT APPLY. Source complies with the HON, 40 CFR 63 Subparts F and G [40 CFR 63.110(b)]
	National Emission Standards for Organic Hazardous Air Pollutants From the Synthetic Organic Chemical Manufacturing Industry- Subparts F and G [40 CFR 63.101 and 40 CFR 63.119]	EXEMPT from control requirements. Group 2 Storage Tank, only recordkeeping is required as capacity is < 75 cubic meters (19,813 gallons)
EQT055 TANK DV-252A (EIQLY)	Control of Emissions of Organic Compounds - Storage of Volatile Organic Compounds [LAC 33:III.2103]	DOES NOT APPLY. Tank stores liquid with true vapor pressure <1.5 psia at storage conditions. [LAC 33:III.2103.A]

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT055 TANK DV-252A (EIQLY) CONTINUED	NSPS Subpart Kb – *Standards of Performance for Volatile Organic* Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b]	DOES NOT APPLY. Source complies with the HON, 40 CFR 63 Subparts F and G [40 CFR 63.110(b)]
	National Emission Standards for Organic Hazardous Air Pollutants From the Synthetic Organic Chemical Manufacturing Industry- Subparts F and G [40 CFR 63.101 and 40 CFR 63.119]	EXEMPT from control requirements. Group 2 Storage Tank, only recordkeeping is required as capacity is < 75 cubic meters (19,813 gallons)
EQT056 TANK DV-252B (EIQM0)	Control of Emissions of Organic Compounds - Storage of Volatile Organic Compounds [LAC 33:III.2103]	DOES NOT APPLY. Tank stores liquid with true vapor pressure <1.5 psia at storage conditions. [LAC 33:III.2103.A]
	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b]	DOES NOT APPLY. Source complies with the HON, 40 CFR 63 Subparts F and G [40 CFR 63.110(b)]

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT056 TANK DV-252B (EIQM0) CONTINUED	National Emission Standards for Organic Hazardous Air Pollutants From the Synthetic Organic Chemical Manufacturing Industry- Subparts F and G [40 CFR 63.101 and 40 CFR 63.119]	EXEMPT from control requirements. Group 2 Storage Tank, only recordkeeping is required as capacity is < 75 cubic meters (19,813 gallons)
EQT057 TANK DV-262A (EIQM1)	Control of Emissions of Organic Compounds - Storage of Volatile Organic Compounds [LAC 33:III.2103]	DOES NOT APPLY. Tank stores liquid with true vapor pressure <1.5 psia at storage conditions. [LAC 33:III.2103.A]
	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b]	DOES NOT APPLY. Source complies with the HON, 40 CFR 63 Subparts F and G [40 CFR 63.110(b)]
	National Emission Standards for Organic Hazardous Air Pollutants From the Synthetic Organic Chemical Manufacturing Industry- Subparts F and G [40 CFR 63.101 and 40 CFR 63.119]	EXEMPT from control requirements. Group 2 Storage Tank, only recordkeeping is required as capacity is < 75 cubic meters (19,813 gallons)

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT058 TANK DV-262B (EIQM2)	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b]	DOES NOT APPLY. Source complies with the HON, 40 CFR 63 Subparts F and G [40 CFR 63.110(b)]
	National Emission Standards for Organic Hazardous Air Pollutants From the Synthetic Organic Chemical Manufacturing Industry- Subparts F and G [40 CFR 63.101 and 40 CFR 63.119]	EXEMPT from control requirements. Group 2 Storage Tank, only recordkeeping is required as capacity is < 75 cubic meters (19,813 gallons)
	Control of Emissions of Organic Compounds - Storage of Volatile Organic Compounds [LAC 33:III.2103]	DOES NOT APPLY. Tank stores liquid with true vapor pressure <1.5 psia at storage conditions. [LAC 33:III.2103.A]
EQT059 TANK DV-272A (EIQM3)	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b]	DOES NOT APPLY. Source complies with the HON, 40 CFR 63 Subparts F and G [40 CFR 63.110(b)]

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT059 TANK DV-272A (EIQM3) CONTINUED	National Emission Standards for Organic Hazardous Air Pollutants From the Synthetic Organic Chemical Manufacturing Industry- Subparts F and G [40 CFR 63.101 and 40 CFR 63.119]	EXEMPT from control requirements. Group 2 Storage Tank, only recordkeeping is required as capacity is < 75 cubic meters (19,813 gallons)
	Control of Emissions of Organic Compounds - Storage of Volatile Organic Compounds [LAC 33:III.2103]	DOES NOT APPLY. Tank stores liquid with true vapor pressure <1.5 psia at storage conditions. [LAC 33:III.2103.A]
EQT060 TANK DV-272B (EIQM4)	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b]	DOES NOT APPLY. Source complies with the HON, 40 CFR 63 Subparts F and G [40 CFR 63.110(b)]
	National Emission Standards for Organic Hazardous Air Pollutants From the Synthetic Organic Chemical Manufacturing Industry- Subparts F and G [40 CFR 63.101 and 40 CFR 63.119]	EXEMPT from control requirements. Group 2 Storage Tank, only recordkeeping is required as capacity is < 75 cubic meters (19,813 gallons)

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT060 TANK DV-272B (EIQM4) CONTINUED	Control of Emissions of Organic Compounds - Storage of Volatile Organic Compounds [LAC 33:III.2103]	DOES NOT APPLY. Tank stores liquid with true vapor pressure <1.5 psia at storage conditions. [LAC 33:III.2103.A]
EQT061 TANK DV-273A (EIQM5)	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b]	DOES NOT APPLY. Source complies with the HON, 40 CFR 63 Subparts F and G [40 CFR 63.110(b)]
	National Emission Standards for Organic Hazardous Air Pollutants From the Synthetic Organic Chemical Manufacturing Industry- Subparts F and G [40 CFR 63.101 and 40 CFR 63.119]	EXEMPT from control requirements. Group 2 Storage Tank, only recordkeeping is required as capacity is < 75 cubic meters (19,813 gallons)
	Control of Emissions of Organic Compounds - Storage of Volatile Organic Compounds [LAC 33:III.2103]	DOES NOT APPLY. Tank stores liquid with true vapor pressure <1.5 psia at storage conditions. [LAC 33:III.2103.A]

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT062 TANK DV-273B (EIQM6)	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b]	DOES NOT APPLY. Source complies with the HON, 40 CFR 63 Subparts F and G [40 CFR 63.110(b)]
	National Emission Standards for Organic Hazardous Air Pollutants From the Synthetic Organic Chemical Manufacturing Industry- Subparts F and G [40 CFR 63.101 and 40 CFR 63.119]	EXEMPT from control requirements. Group 2 Storage Tank, only recordkeeping is required as capacity is < 75 cubic meters (19,813 gallons)
	Control of Emissions of Organic Compounds - Storage of Volatile Organic Compounds [LAC 33:III.2103]	DOES NOT APPLY. Tank stores liquid with true vapor pressure <1.5 psia at storage conditions. [LAC 33:III.2103.A]
EQT063 TANK DV-250 (EIQMX)	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b]	DOES NOT APPLY. Source complies with the HON, 40 CFR 63 Subparts F and G [40 CFR 63.110(b)]

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT063 TANK DV-250 (EIQMX) CONTINUED	National Emission Standards for Organic Hazardous Air Pollutants From the Synthetic Organic Chemical Manufacturing Industry- Subparts F and G [40 CFR 63.101 and 40 CFR 63.119]	EXEMPT from control requirements. Group 2 Storage Tank, only recordkeeping is required as capacity > 151 cubic meters (40,000 gallons) and the maximum true vapor pressure is < 5.2 kilopascals (0.75) psia for all compounds stored in this vessel at storage temperature.
	Control of Emissions of Organic Compounds - Storage of Volatile Organic Compounds [LAC 33:III.2103]	DOES NOT APPLY. Tank stores liquid with true vapor pressure <1.5 psia at storage conditions. [LAC 33:III.2103.A]
EQT064 TANK DV-260 (EIQMY)	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b]	DOES NOT APPLY. Source complies with the HON, 40 CFR 63 Subparts F and G [40 CFR 63.110(b)]

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT064 TANK DV-260 (EIQMY) CONTINUED	National Emission Standards for Organic Hazardous Air Pollutants From the Synthetic Organic Chemical Manufacturing Industry- Subparts F and G [40 CFR 63.101 and 40 CFR 63.119]	EXEMPT from control requirements. Group 2 Storage Tank, only recordkeeping is required as capacity > 151 cubic meters (40,000 gallons) and the maximum true vapor pressure is < 5.2 kilopascals (0.75) psia for all compounds stored in this vessel at storage temperature.
	Control of Emissions of Organic Compounds - Storage of Volatile Organic Compounds [LAC 33:III.2103]	DOES NOT APPLY. Tank stores liquid with true vapor pressure <1.5 psia at storage conditions. [LAC 33:III.2103.A]
EQT065 EA/GE COOLING TOWER (EIQWL)	Subpart Q - National Emission Standards for Organic Hazardous Air Pollutants for Industrial Process Cooling Towers (IPCT) [40 CFR 63.400-63.406]	DOES NOT APPLY. This IPCT does not use chromium-based water treatment chemicals. [40 CFR 63.400(a)]
EQT066 EA RAIL CAR LOADING OPERATIONS (EIQ AO2)	Control of Emissions of Organic Compounds - Volatile Organic Compounds-Loading [LAC 33:III.2107]	DOES NOT APPLY. True vapor pressures of all products loaded are <1.5 psia. [LAC 33:III.2107.A]

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT067 EA DRUM LOADING OPERATIONS (EIQ AO3)	Control of Emissions of Organic Compounds - Volatile Organic Compounds-Loading [LAC 33:III.2107]	DOES NOT APPLY. True vapor pressures of all products loaded are <1.5 psia. [LAC 33:III.2107.A]
EQT068 EA MARINE LOADING OPERATIONS (EIQ AO4)	Control of Emissions of Organic Compounds – Marine Vapor Recovery [LAC 33:III.2108]	DOES NOT APPLY. Marine Loading Facility has less than 100 TPY of uncontrolled VOC emissions. [LAC 33:III.2108.A]
	National Emission Standards for Organic Hazardous Air Pollutants For Marine Tank Vessel Loading Operations, Subpart Y [40 CFR 63.560-586]	DOES NOT APPLY. True vapor pressures of all products loaded are <1.5 psia at standard conditions. [40 CFR 63.560(d)(1)]
RLP005 EA EJECTOR VENT #1 SYSTEM EJ-252 (EIQPK)	NSPS Subpart NNN – Standards of Performance for Volatile Organic Compound (VOC) Emissions From Synthetic Organic Chemical Manufacturing Industry (SOCMI) Distillation Operations [40 CFR 60.660-668]	DOES NOT APPLY. Source was constructed prior to December 30, 1983 and no reconstruction or modification after 1983. [40 CFR 60.660(b)]
	Control of Emissions of Organic Compounds – Limiting VOC Emissions from SOCMI Reactor Processes and Distillation Operations [LAC 33:III.2147]	DOES NOT APPLY. Source complies with the HON, 40 CFR 63 Subparts F and G

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
RLP006 EA EJECTOR VENT # 2 SYSTEM EJ-260 (EIQPL)	NSPS Subpart NNN – Standards of Performance for Volatile Organic Compound (VOC) Emissions From Synthetic Organic Chemical Manufacturing Industry (SOCMI) Distillation operations [40 CFR 60.660-668]	DOES NOT APPLY. Source was constructed prior to December 30, 1983 and no reconstruction or modification after 1983. [40 CFR 60.660(b)]
	Control of Emissions of Organic Compounds – Limiting VOC Emissions from SOCMI Reactor Processes and Distillation Operations [LAC 33:III.2147]	DOES NOT APPLY. Source complies with the HON, 40 CFR 63 Subparts F and G
RLP007 EA EJECTOR VENT #3 SYSTEM EJ-271 (EIQPM)	Control of Emissions of Organic Compounds – Limiting VOC Emissions from SOCMI Reactor Processes and Distillation Operations [LAC 33:III.2147]	DOES NOT APPLY. Source complies with the HON, 40 CFR 63 Subparts F and G
RLP008 EA EJECTOR VENT #4 SYSTEM EJ-280 (EIQPN)	Control of Emissions of Organic Compounds – Limiting VOC Emissions from SOCMI Reactor Processes and Distillation Operations [LAC 33:III.2147]	DOES NOT APPLY. Source complies with the HON, 40 CFR 63 Subparts F and G
RLP009 EA STEAM EJECTOR CONDENSATION DRUM VENT D-280 (EIQPO)	NSPS Subpart NNN – Standards of Performance for Volatile Organic Compound (VOC) Emissions From Synthetic Organic Chemical Manufacturing Industry (SOCMI) Distillation Operations [40 CFR 60.660-668]	DOES NOT APPLY. Source was constructed prior to December 30, 1983 and no reconstruction or modification after 1983. [40 CFR 60.660(b)]

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
RLP009 EA STEAM EJECTOR CONDENSATION DRUM VENT D-280 (EIQPO) CONTINUED	Control of Emissions of Organic Compounds – Limiting VOC Emissions from SOCMI Reactor Processes and Distillation Operations [LAC 33:III.2147]	DOES NOT APPLY. Source complies with the HON, 40 CFR 63 Subparts F and G
FUG003 EA FUGITIVE EMISSIONS (EIQDS)	40 CFR 60 Subpart VV-Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry [40 CFR 60.480-489]	DOES NOT APPLY. Source complies with the HON, 40 CFR 63 Subparts F and H [40 CFR 63.160(b)(1)]

The above table provides explanation for both the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X (Table 1) of this permit.

40 CFR PART 70 GENERAL CONDITIONS

A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]

B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]

C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]

D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]

E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]

F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]

G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]

H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:

1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];

2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];

3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and

4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]

I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit.
[Reference 40 CFR 70.6(a)(3)(ii)(B)]

J. Records of required monitoring shall include the following:

1. the date, place as defined in the permit, and time of sampling or measurements;
2. the date(s) analyses were performed;
3. the company or entity that performed the analyses;
4. the analytical techniques or methods used;
5. the results of such analyses; and
6. the operating conditions as existing at the time of sampling or measurement.

[Reference 40 CFR 70.6(a)(3)(ii)(A)]

K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]

L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]

M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of

attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding calendar year. [LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]

N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]

O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]

P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]

Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:

1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;

2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;

3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;

4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;

5. changes in emissions would not qualify as a significant modification; and

6. the request is submitted no later than 12 months after commencing operation. [LAC 33:III.523.A, reference 40 CFR 70.7(d)]

R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Surveillance Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).

1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.

2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.

3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:

   a. Report by June 30 to cover January through March
   b. Report by September 30 to cover April through June
   c. Report by December 31 to cover July through September
   d. Report by March 31 to cover October through December

4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]

S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]

T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:

1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;

2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;

3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;

4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);

5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and

6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]

U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]

V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS

I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.

II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.

III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated June 22, 2004, July 13, 2005 and February 7, 2006.

IV. This permit shall become invalid, for the sources not constructed, if:

A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;

B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.

The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.

This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.

V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.

VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.

VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.

VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.

IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Surveillance Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.

X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.

XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Surveillance Division with a written report as specified below.

A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.

B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.

C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
   1. Report by June 30 to cover January through March
   2. Report by September 30 to cover April through June
   3. Report by December 31 to cover July through September
   4. Report by March 31 to cover October through December

D. Each report submitted in accordance with this condition shall contain the following information:

1. Description of noncomplying emission(s);
2. Cause of noncompliance;
3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.

E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.

XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:

A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;

B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;

C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and

D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.

XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.

XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance

is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.

XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.

XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services, Air Permits Division, within ninety (90) days after the event, to amend this permit.

XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:

1. Generally be less than 5 TPY
2. Be less than the minimum emission rate (MER)
3. Be scheduled daily, weekly, monthly, etc., or
4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]

These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.

XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division
La. Dept. of Environmental Quality
Post Office Box 4302
Baton Rouge, Louisiana 70821-4302

XIX. Certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

General Information

AI ID: 89237 INEOS Oxide - A Division of INEOS Americas, LLC
Activity Number: PER20040004
Permit Number: 2599-V0
Air - Title V Regular Permit Initial

Also Known As:

ID	Name	User Group	Start Date
	INEOS Oxide - A Division of INEOS Americas, LLC	Air Permitting	01-01-2004
LAO4961	ADVF #	Asbestos	01-21-2003
1280-00101	INEOS Oxide - A Division of INEOS Americas, LLC	CDS Number	04-26-2001
1280-0101	INEOS Oxide - A Division of INEOS Americas, LLC	Emission Inventory	03-03-2004
LAR000044180	INEOS Oxide - A Division of INEOS Americas, LLC	Hazardous Waste Notification	03-23-2001
LA0115100	LPDES #	LPDES Permit #	05-17-2002
G-047-11158	Solid Waste Generator #	Solid Waste Facility No.	02-12-2001
G-047-11215	Site ID #	Solid Waste Facility No.	08-16-2001
89259	INEOS LLC - Block 55	TEMPO Merge	08-19-2001
1280-0101	Toxic Emissions Data Inventory #	Toxic Emissions Data Inventory #	01-01-2001
70765NSXDC21255	TRI #	Toxic Release Inventory	07-14-2004

Physical Location: 21255A Hwy 1
Plaquemine, LA 70765

Main Phone: 2252423000

Mailing Address: PO Box 718
Plaquemine, LA 707650718

Location of Front Gate: 30° 18' 50" latitude, 91° 14' 25" longitude, Coordinate Method: Interpolation - Map, Coordinate Datum: NAD27

Related People:

Name	Mailing Address	Phone (Type)	Relationship
Larry Locicero	PO Box 718 Plaquemine, LA 707650718		Responsible Official for
Bridget May	PO Box 718 Plaquemine, LA 707650718	2253536817 (WP)	Air Permit Contact For
Bridget May	PO Box 718 Plaquemine, LA 707650718	2253536817 (WP)	Accident Prevention Contact for
Bridget May	PO Box 718 Plaquemine, LA 707650718	2253536817 (WP)	Asbestos Contact for
Bridget May	PO Box 718 Plaquemine, LA 707650718	2253536817 (WP)	Haz. Waste Billing Party for
Louis Wells	PO Box 718 Plaquemine, LA 707650718	2252423024 (WP)	Accident Prevention Billing Party for
Louis Wells	PO Box 718 Plaquemine, LA 707650718	2252423060 (WF)	Accident Prevention Billing Party for

Related Organizations:

Name	Address	Phone (Type)	Relationship
INEOS Oxide - A Division of INEOS Americas, LLC	PO Box 718 Plaquemine, LA 707650718	2252423000 (WP)	Owns
INEOS Oxide - A Division of INEOS Americas, LLC	PO Box 718 Plaquemine, LA 707650718	2252423060 (WF)	Owns
INEOS Oxide - A Division of INEOS Americas, LLC	PO Box 718 Plaquemine, LA 707650718	2252423000 (WP)	Air Billing Party for
INEOS Oxide - A Division of INEOS Americas, LLC	PO Box 718 Plaquemine, LA 707650718	2252423060 (WF)	Air Billing Party for
INEOS Oxide - A Division of INEOS Americas, LLC	PO Box 718 Plaquemine, LA 707650718	2252423000 (WP)	Operates

General Information

AI ID: 89237 INEOS Oxide - A Division of INEOS Americas, LLC
Activity Number: PER20040004
Permit Number: 2599-V0
Air - Title V Regular Permit Initial

Related Organizations:	Name	Address	Phone (Type)	Relationship
	INEOS Oxide - A Division of INEOS Americas, LLC	PO Box 718 Plaquemine, LA 707650718	2252423060 (WF)	Operates

SIC Codes: 2869, Industrial organic chemicals, nec

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-3247 or email your changes to facupdate@la.gov.

INVENTORIES

AI ID: 89237 - INEOS Oxide - A Division of INEOS Americas, LLC
Activity Number: PER20040004
Permit Number: 2599-V0
Air - Title V Regular Permit Initial

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
ARE001	N5 - AREA 2 SUMP			.04 m^3/min		8760 hr/yr (All Year)
ARE002	N6 - AREA 3 SUMP			.01 m^3/min		8760 hr/yr (All Year)
ARE003	N7 - TANK CAR SUMP			.03 m^3/min		8760 hr/yr (All Year)
ARE004	N8 - TANK TRUCK SUMP			.01 m^3/min		8760 hr/yr (All Year)
EQT044	1M - EA AMMONIA SCRUBBER T-211 FOR REACTORS R-201 & R-202		126 kg/hr	6 SCFM		8760 hr/yr (All Year)
EQT045	9L - EA TANK DV-255	225826 gallons		1587.3 MM gallons/yr	Triethanolamine	8760 hr/yr (All Year)
EQT046	9M - EA TANK DV-265	225826 gallons		1587.3 MM gallons/yr	Diethanolamine	8760 hr/yr (All Year)
EQT047	9N - EA TANK DV-275	67865 gallons		2116.4 MM gallons/yr	Triethanolamine	8760 hr/yr (All Year)
EQT048	9O - EA TANK DV-276	67865 gallons		12018.02 MM gallons/yr	Monoethanolamine	8760 hr/yr (All Year)
EQT049	9P - EA TANK DV-277	67865 gallons		423280 gallons/yr	Monoethanolamine	8760 hr/yr (All Year)
EQT050	9Q - EA TANK DV-278	67865 gallons		505346 gallons/yr	Diethanolamine & Monoethanolamine	8760 hr/yr (All Year)
EQT051	A3 - EA TANK DV-243A	16919 gallons		505346 gallons/yr	Diethanolamine & Monoethanolamine	8760 hr/yr (All Year)
EQT052	AO1 - EA TANK TRUCK LOADING OPERATIONS			1200 gallons/min		8760 hr/yr (All Year)
EQT053	AQ - SULFURIC ACID TANK D-502	3227 gallons		5500 gallons/yr	Sulfuric Acid	8760 hr/yr (All Year)
EQT054	LS - EA TANK DV-243B	16919 gallons		43127.22 MM gallons/yr	Diethanolamine & Monoethanolamine	8760 hr/yr (All Year)
EQT055	LY - EA TANK DV-252A	16919 gallons		11806.38 MM gallons/yr	Monoethanolamine	8760 hr/yr (All Year)
EQT056	M0 - EA TANK DV-252B	16919 gallons		11806.38 MM gallons/yr	Monoethanolamine	8760 hr/yr (All Year)
EQT057	M1 - EA TANK DV-262A	16919 gallons		8169.93 MM gallons/yr	Diethanolamine	8760 hr/yr (All Year)
EQT058	M2 - EA TANK DV-262B	16919 gallons		8169.94 MM gallons/yr	Diethanolamine	8760 hr/yr (All Year)
EQT059	M3 - EA TANK DV-272A	16919 gallons		1587.3 MM gallons/yr	Triethanolamine	8760 hr/yr (All Year)
EQT060	M4 - EA TANK DV-272B	16919 gallons		1587.3 MM gallons/yr	Triethanolamine	8760 hr/yr (All Year)
EQT061	M5 - EA TANK DV-273A	16919 gallons		1058.2 MM gallons/yr	Triethanolamine	8760 hr/yr (All Year)
EQT062	M6 - EA TANK DV-273B	16919 gallons		1058.2 MM gallons/yr	Triethanolamine	8760 hr/yr (All Year)
EQT063	MX - EA TANK DV-250	587478 gallons		23612.75 MM gallons/yr	Monoethanolamines	8760 hr/yr (All Year)
EQT064	MY - EA TANK DV-260	587478 gallons		16339.87 MM gallons/yr	Diethanolamine	8760 hr/yr (All Year)
EQT065	WL - EA/GE COOLING TOWER			32000 gallons/min		8760 hr/yr (All Year)
EQT066	AO2 - EA RAIL CAR LOADING OPERATIONS			1200 gallons/min		8760 hr/yr (All Year)
EQT067	AO3 - EA DRUM LOADING OPERATIONS			1200 gallons/min		8760 hr/yr (All Year)
EQT068	AO4 - EA MARINE LOADING OPERATIONS			1200 gallons/min		8760 hr/yr (All Year)
FUG003	DS - EA FUGITIVE EMISSIONS					8760 hr/yr (All Year)
RLP005	PK - EA EJECTOR VENT #1 (EJ-252)		16.78 SCFM	16.78 SCFM		8760 hr/yr (All Year)
RLP006	PL - EA EJECTOR VENT #2 (EJ-260)		16.78 SCFM	16.78 SCFM		8760 hr/yr (All Year)
RLP007	PM - EA EJECTOR VENT #3 (EJ-271)		8.62 SCFM	8.62 SCFM		8760 hr/yr (All Year)
RLP008	PN - EA EJECTOR VENT #4 (EJ-280)		16.78 SCFM	16.78 SCFM		8760 hr/yr (All Year)

INVENTORIES

AI ID: 89237 - INEOS Oxide - A Division of INEOS Americas, LLC
Activity Number: PER20040004
Permit Number: 2599-V0
Air - Title V Regular Permit Initial

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
RLP009	PO - EA STEAM EJECTOR CONDENSATION DRUM VENT (D-280)		7.56 SCFM	7.56 SCFM		8760 hr/yr (All Year)
RLP010	WK - VENT OF AMMONIA COMPRESSOR		2674 scf/hr	2674 scf/hr		8760 hr/yr (All Year)

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP003	AO - EA LOADING OPERATIONS EMISSIONS	EQT52 AO1 - EA TANK TRUCK LOADING OPERATIONS
GRP003	AO - EA LOADING OPERATIONS EMISSIONS	EQT66 AO2 - EA RAIL CAR LOADING OPERATIONS
GRP003	AO - EA LOADING OPERATIONS EMISSIONS	EQT67 AO3 - EA DRUM LOADING OPERATIONS
GRP003	AO - EA LOADING OPERATIONS EMISSIONS	EQT68 AO4 - EA MARINE LOADING OPERATIONS
GRP008	FACILITY WIDE/ETHANOLAMINES PLANT	AI89237
GRP008	FACILITY WIDE/ETHANOLAMINES PLANT	ARE1 N5 - AREA 2 SUMP
GRP008	FACILITY WIDE/ETHANOLAMINES PLANT	ARE2 N6 - AREA 3 SUMP
GRP008	FACILITY WIDE/ETHANOLAMINES PLANT	ARE3 N7 - TANK CAR SUMP
GRP008	FACILITY WIDE/ETHANOLAMINES PLANT	ARE4 N8 - TANK TRUCK SUMP
GRP008	FACILITY WIDE/ETHANOLAMINES PLANT	EQT44 1M - EA AMMONIA SCRUBBER T-211 FOR REACTORS R-201 & R-202
GRP008	FACILITY WIDE/ETHANOLAMINES PLANT	EQT45 9L - EA TANK DV-255
GRP008	FACILITY WIDE/ETHANOLAMINES PLANT	EQT46 9M - EA TANK DV-265
GRP008	FACILITY WIDE/ETHANOLAMINES PLANT	EQT47 9N - EA TANK DV-275
GRP008	FACILITY WIDE/ETHANOLAMINES PLANT	EQT48 9O - EA TANK DV-276
GRP008	FACILITY WIDE/ETHANOLAMINES PLANT	EQT49 9P - EA TANK DV-277
GRP008	FACILITY WIDE/ETHANOLAMINES PLANT	EQT50 9Q - EA TANK DV-278
GRP008	FACILITY WIDE/ETHANOLAMINES PLANT	EQT51 A3 - EA TANK DV-243A
GRP008	FACILITY WIDE/ETHANOLAMINES PLANT	EQT52 AO1 - EA TANK TRUCK LOADING OPERATIONS
GRP008	FACILITY WIDE/ETHANOLAMINES PLANT	EQT53 AQ - SULFURIC ACID TANK D-502
GRP008	FACILITY WIDE/ETHANOLAMINES PLANT	EQT54 LS - EA TANK DV-243B
GRP008	FACILITY WIDE/ETHANOLAMINES PLANT	EQT55 LY - EA TANK DV-252A
GRP008	FACILITY WIDE/ETHANOLAMINES PLANT	EQT56 M0 - EA TANK DV-252B
GRP008	FACILITY WIDE/ETHANOLAMINES PLANT	EQT57 M1 - EA TANK DV-262A
GRP008	FACILITY WIDE/ETHANOLAMINES PLANT	EQT58 M2 - EA TANK DV-262B
GRP008	FACILITY WIDE/ETHANOLAMINES PLANT	EQT59 M3 - EA TANK DV-272A
GRP008	FACILITY WIDE/ETHANOLAMINES PLANT	EQT60 M4 - EA TANK DV-272B
GRP008	FACILITY WIDE/ETHANOLAMINES PLANT	EQT61 M5 - EA TANK DV-273A
GRP008	FACILITY WIDE/ETHANOLAMINES PLANT	EQT62 M6 - EA TANK DV-273B
GRP008	FACILITY WIDE/ETHANOLAMINES PLANT	EQT63 MX - EA TANK DV-250
GRP008	FACILITY WIDE/ETHANOLAMINES PLANT	EQT64 MY - EA TANK DV-260
GRP008	FACILITY WIDE/ETHANOLAMINES PLANT	EQT65 WL - EA/GE COOLING TOWER

INVENTORIES

AI ID: 89237 - INEOS Oxide - A Division of INEOS Americas, LLC
Activity Number: PER20040004
Permit Number: 2599-V0
Air - Title V Regular Permit Initial

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP008	FACILITY WIDE/ETHANOLAMINES PLANT	EQT66 AO2 - EA RAIL CAR LOADING OPERATIONS
GRP008	FACILITY WIDE/ETHANOLAMINES PLANT	EQT67 AO3 - EA DRUM LOADING OPERATIONS
GRP008	FACILITY WIDE/ETHANOLAMINES PLANT	EQT68 AO4 - EA MARINE LOADING OPERATIONS
GRP008	FACILITY WIDE/ETHANOLAMINES PLANT	FUG3 DS - EA FUGITIVE EMISSIONS
GRP008	FACILITY WIDE/ETHANOLAMINES PLANT	GRP3 AO - EA LOADING OPERATIONS EMISSIONS
GRP008	FACILITY WIDE/ETHANOLAMINES PLANT	RLP5 PK - EA EJECTOR VENT #1 (EJ-252)
GRP008	FACILITY WIDE/ETHANOLAMINES PLANT	RLP6 PL - EA EJECTOR VENT #2 (EJ-260)
GRP008	FACILITY WIDE/ETHANOLAMINES PLANT	RLP7 PM - EA EJECTOR VENT #3 (EJ-271)
GRP008	FACILITY WIDE/ETHANOLAMINES PLANT	RLP8 PN - EA EJECTOR VENT #4 (EJ-280)
GRP008	FACILITY WIDE/ETHANOLAMINES PLANT	RLP9 PO - EA STEAM EJECTOR CONDENSATION DRUM VENT (D-280)
GRP008	FACILITY WIDE/ETHANOLAMINES PLANT	RLP10 WK - VENT OF AMMONIA COMPRESSOR

Relationships:

Stack Information:

ID		Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperatur (oF)
EQT044	1M - EA AMMONIA SCRUBBER T-211 FOR REACTORS R-201 & R-202	3.2	6		.2	50	120
EQT045	9L - EA TANK DV-255	.01	.07		.5	40	104
EQT046	9M - EA TANK DV-265	.01	.07		.5	40	104
EQT047	9N - EA TANK DV-275	.01	.01		.5	40	113
EQT048	9O - EA TANK DV-276	.01	.01		.5	32	113
EQT049	9P - EA TANK DV-277	.01	.01		.5	32	113
EQT050	9Q - EA TANK DV-278	.01	.01		.5	32	113
EQT051	A3 - EA TANK DV-243A	.01	.02		.2	20	122
EQT053	AQ - SULFURIC ACID TANK D-502					13	68
EQT054	LS - EA TANK DV-243B	.05	.1		.2	20	122
EQT055	LY - EA TANK DV-252A	.24	.46		.2	20	104
EQT056	M0 - EA TANK DV-252B	.24	.46		.2	20	104
EQT057	M1 - EA TANK DV-262A	.01	.01		.2	20	122
EQT058	M2 - EA TANK DV-262B	.01	.01		.2	20	122
EQT059	M3 - EA TANK DV-272A	.01	.01		.2	20	122
EQT060	M4 - EA TANK DV-272B	.01	.01		.2	20	122
EQT061	M5 - EA TANK DV-273A	.01	.01		.2	20	122
EQT062	M6 - EA TANK DV-273B	.01	.01		.2	20	122
EQT063	MX - EA TANK DV-250	.63	2.7		.3	40	104
EQT064	MY - EA TANK DV-260	.4	.17		.3	40	122
EQT065	WL - EA/GE COOLING TOWER				24	51.3	77
RLP005	PK - EA EJECTOR VENT #1 (EJ-252)	126.3	238		.2	55	77
RLP006	PL - EA EJECTOR VENT #2 (EJ-260)	126.3	238		.2	55	77
RLP007	PM - EA EJECTOR VENT #3 (EJ-271)	126.3	238		.2	55	77

INVENTORIES

AI ID: 89237 - INEOS Oxide - A Division of INEOS Americas, LLC
Activity Number: PER20040004
Permit Number: 2599-V0
Air - Title V Regular Permit Initial

Stack Information:

ID		Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperatur (oF)
RLP008	PN - EA EJECTOR VENT #4 (EJ-280)	126.3	238		.2	55	77
RLP009	PO - EA STEAM EJECTOR CONDENSATION DRUM VENT (D-280)	126.3	238		.2	55	77
RLP010	*WK - VENT OF AMMONIA COMPRESSOR*	*.01*	*.1*		*.83*	*20*	*77*

Fee Information:

Subj Item Id	Multiplier	Units Of Measure	Fee Desc
GRP008	382	MM Lb/Yr	0630 - Organic Oxides, Alcohols, Glycols (Rated Capacity)

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 89237 - INEOS Oxide - A Division of INEOS Americas, LLC
Activity Number: PER20040004
Permit Number: 2599-V0
Air - Title V Regular Permit Initial

All phases

	PM_{10}			VOC		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ARE 001 N5				< 0.001		< 0.01
ARE 002 N6				0.03		0.14
ARE 003 N7				0.05		0.22
ARE 004 N8				0.003		0.02
EQT 045 9L				< 0.001		< 0.01
EQT 046 9M				< 0.001		< 0.01
EQT 047 9N				< 0.001		< 0.01
EQT 048 9O				< 0.001		< 0.01
EQT 049 9P				0.02		0.10
EQT 050 9Q				0.01		0.02
EQT 051 A3				0.004		0.02
EQT 054 LS				0.06		0.25
EQT 055 LY				0.01		0.04
EQT 056 M0				0.01		0.04
EQT 057 M1				< 0.001		< 0.01
EQT 058 M2				< 0.001		< 0.01
EQT 059 M3				< 0.001		< 0.01
EQT 060 M4				< 0.001		< 0.01

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 89237 - INEOS Oxide - A Division of INEOS Americas, LLC
Activity Number: PER20040004
Permit Number: 2599-V0
Air - Title V Regular Permit Initial

All phases

	PM_{10}			VOC		
Subject Item	**Avg lb/hr**	**Max lb/hr**	**Tons/Year**	**Avg lb/hr**	**Max lb/hr**	**Tons/Year**
EQT 061				< 0.001		< 0.01
M5						
EQT 062				< 0.001		< 0.01
M6						
EQT 063				0.10		0.42
MX						
EQT 064				< 0.001		< 0.01
MY						
EQT 065	6.09	6.09	26.67	1.34	1.34	5.89
WL						
FUG 003				0.75		3.27
OS						
GRP 003				0.04	1.08	0.16
AO						
RLP 005				< 0.001	< 0.001	< 0.01
PK						
RLP 006				< 0.001	< 0.001	< 0.01
PL						
RLP 007				< 0.001	< 0.001	< 0.01
PM						
RLP 008				< 0.001	< 0.001	< 0.01
PN						
RLP 009				< 0.001	< 0.001	< 0.01
PO						

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

Permit Phase Totals:

PM10: 26.67 tons/yr

VOC: 10.60 tons/yr

Emission rates Notes:

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 89237 - INEOS Oxide - A Division of INEOS Americas, LLC
Activity Number: PER20040004
Permit Number: 2599-V0
Air - Title V Regular Permit Initial

All phases

	Acetaldehyde			Ammonia			Chlorine			Diethanolamine			Ethylene oxide		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ARE 001 N5				0.003	0.003	0.01				< 0.001		< 0.01			
ARE 002 N6				0.002	0.002	0.01				< 0.001		< 0.01			
ARE 003 N7				0.12	0.12	0.52				< 0.001		< 0.01			
ARE 004 N8										< 0.001		< 0.01			
EQT 044 1M				0.36	0.43	1.57									
EQT 046 9M										< 0.001		< 0.01			
EQT 050 9Q										< 0.001		< 0.01			
EQT 051 A3										< 0.001		< 0.01			
EQT 053 AQ															
EQT 054 LS										< 0.001		< 0.01			
EQT 057 M1										< 0.001		< 0.01			
EQT 058 M2										< 0.001		< 0.01			
EQT 064 MY										< 0.001		< 0.01			
EQT 065 WL							0.02	0.02	0.09						
FUG 003 DS				0.29	0.29	1.250				0.09		0.41	0.16		0.69
GRP 003 AO										< 0.001	0.001	< 0.01			
RLP 005 PK	< 0.001	< 0.001	< 0.01										< 0.001	< 0.001	< 0.01
RLP 006 PL	< 0.001	< 0.001	< 0.01										< 0.001	< 0.001	< 0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 89237 - INEOS Oxide - A Division of INEOS Americas, LLC
Activity Number: PER20040004
Permit Number: 2599-V0
Air - Title V Regular Permit Initial

All phases

	Glycol ethers (Table 51.1)			Glycol ethers (Table 51.3)			Sulfuric acid		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ARE 001 N5									
ARE 002 N6	< 0.001		< 0.01	< 0.001		< 0.01			
ARE 003 N7	< 0.001		< 0.01	< 0.001		< 0.01			
ARE 004 N8	< 0.001		< 0.01	< 0.001		< 0.01			
EQT 044 1M									
EQT 046 9M									
EQT 050 9Q									
EQT 051 A3									
EQT 053 AQ							< 0.001	< 0.001	< 0.01
EQT 054 LS									
EQT 057 M1									
EQT 058 M2									
EQT 064 MY									
EQT 065 WL									
FUG 003 DS									
GRP 003 AO									
RLP 005 PK									
RLP 006 PL									

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 89237 - INEOS Oxide - A Division of INEOS Americas, LLC
Activity Number: PER20040004
Permit Number: 2599-V0
Air - Title V Regular Permit Initial

All phases

	Acetaldehyde			Ammonia			Chlorine			Diethanolamine			Ethylene oxide		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
RLP 007 PM	< 0.001	< 0.001	< 0.01										< 0.001	< 0.001	< 0.01
RLP 008 PN	< 0.001	< 0.001	< 0.01										< 0.001	< 0.001	< 0.01
RLP 009 PO	< 0.001	< 0.001	< 0.01										< 0.001	< 0.001	< 0.01
RLP 010 WK				0.01	2.35	0.01									

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 89237 - INEOS Oxide - A Division of INEOS Americas, LLC
Activity Number: PER20040004
Permit Number: 2599-V0
Air - Title V Regular Permit Initial

All phases

	Glycol ethers (Table 51.1)			Glycol ethers (Table 51.3)			Sulfuric acid		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
RLP 007 PM									
RLP 008 PN									
RLP 009 PO									
RLP 010 WK									

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

Permit Parameter Totals:

Acetaldehyde: <0.01 tons/yr

Ammonia: 3.37 tons/yr

Chlorine: 0.09 tons/yr

Diethanolamine: 0.42 tons/yr

Ethylene oxide: 0.69 tons/yr

Glycol ethers (Table 51.1): <0.01 tons/yr

Glycol ethers (Table 51.3): <0.01 tons/yr

Sulfuric acid: <0.01 tons/yr

Emission Rates Notes:

SPECIFIC REQUIREMENTS

AI ID: 89237 - INEOS Oxide - A Division of INEOS Americas, LLC
Activity Number: PER20040004
Permit Number: 2599-V0
Air - Title V Regular Permit Initial

ARE001 N5 - AREA 2 SUMP

1 Maintain records to verify exemption from the requirements of LAC 33:III.2153 Subsection G. [LAC 33:III.2153.F.1]
2 Toxic air pollutants (TAP): Emits Class III TAP only. MACT is not required. [LAC 33:III.5109.A]

ARE002 N6 - AREA 3 SUMP

3 Maintain records to verify exemption from the requirements of LAC 33:III.2153 Subsection G. [LAC 33:III.2153.F.1]
4 Toxic air pollutants (TAP): Emits Class II TAP less than the MER (facility-wide), Class III TAP, and Table 51.3 Louisiana TAP(s) Supplemental List. No further control is required. [LAC 33:III.5109.A]

ARE003 N7 - TANK CAR SUMP

5 Maintain records to verify exemption from the requirements of LAC 33:III.2153 subsection G. [LAC 33:III.2153.F.1]
6 Toxic air pollutants (TAP): Emits Class II TAP less than the MER (facility-wide), Class III TAP, and Table 51.3 Louisiana TAP(s) Supplemental List. No further control is required. [LAC 33:III.5109.A]

ARE004 N8 - TANK TRUCK SUMP

7 Toxic air pollutants (TAP): Emits Class II TAP less than the MER (facility-wide), Class III TAP, and Table 51.3 Louisiana TAP(s) Supplemental List. No further control is required. [LAC 33:III.5109.A]

EQT044 1M - EA AMMONIA SCRUBBER T-211 FOR REACTORS R-201 & R-202

8 Flow rate monitored by flow rate monitoring device continuously (State-Only Requirement). [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified
9 Concentration of Ammonia monitored by analyzer continuously (State-Only Requirement). [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified
10 Concentration of Ammonia recordkeeping by electronic or hard copy continuously (State-Only Requirement). [LAC 33:III.501.C.6]
11 Flow rate >= 15000 lb/hr (State-Only Requirement). [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified
12 Ammonia >= 99.99 % control efficiency (State-Only Requirement). [LAC 33:III.501.C.6]
Which Months: Phases: Statistical Basis: None specified
13 Submit report: Due annually, by the 31st of March for the preceding calendar year. List the hours that the scrubber operated out of the ranges specified. Submit report to the Office of Environmental Compliance, Enforcement Division (State-Only Requirement). [LAC 33:III.501.C.6]
14 Toxic air pollutants (TAP): Emits Class III TAP only. MACT is not required. [LAC 33:III.5109.A]

EQT045 9L - EA TANK DV-255

15 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

EQT046 9M - EA TANK DV-265

EQT046 9M - EA TANK DV-265

16 Toxic air pollutants (TAP): Emits Table 51.3 Louisiana TAP(s) Supplemental List only. Emission Control and Reduction Requirements and Standards are not required. [LAC 33:III.5109]

17 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

EQT047 9N - EA TANK DV-275

18 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

EQT048 9O - EA TANK DV-276

19 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

EQT049 9P - EA TANK DV-277

20 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

EQT050 9Q - EA TANK DV-278

21 Toxic air pollutants (TAP): Emits Table 51.3 Louisiana TAP(s) Supplemental List only. Emission Control and Reduction Requirements and Standards are not required. [LAC 33:III.5109]

22 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

EQT051 A3 - EA TANK DV-243A

23 Toxic air pollutants (TAP): Emits Table 51.3 Louisiana TAP(s) Supplemental List only. Emission Control and Reduction Requirements and Standards are not required. [LAC 33:III.5109]

24 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

EQT052 AO1 - EA TANK TRUCK LOADING OPERATIONS

25 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in 40 CFR 63.130(f)(1) through (f)(3). Subpart G. [40 CFR 63.130(f)]

EQT053 AQ - SULFURIC ACID TANK D-502

26 Toxic air pollutants (TAP): Emits Table 51.3 Louisiana TAP(s) Supplemental List only. Emission Control and Reduction Requirements and Standards are not required. [LAC 33:III.5109]

EQT054 LS - EA TANK DV-243B

27 Toxic air pollutants (TAP): Emits Table 51.3 Louisiana TAP(s) Supplemental List only. Emission Control and Reduction Requirements and Standards are not required. [LAC 33:III.5109]

28 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

EQT055 LY - EA TANK DV-252A

29 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

EQT056 M0 - EA TANK DV-252B

30 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

EQT057 M1 - EA TANK DV-262A

31 Toxic air pollutants (TAP): Emits Table 51.3 Louisiana TAP(s) Supplemental List only. Emission Control and Reduction Requirements and Standards are not required. [LAC 33:III.5109]

32 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

EQT058 M2 - EA TANK DV-262B

33 Toxic air pollutants (TAP): Emits Table 51.3 Louisiana TAP(s) Supplemental List only. Emission Control and Reduction Requirements and Standards are not required. [LAC 33:III.5109]

34 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

EQT059 M3 - EA TANK DV-272A

35 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

EQT060 M4 - EA TANK DV-272B

36 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

EQT061 M5 - EA TANK DV-273A

37 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

EQT062 M6 - EA TANK DV-273B

38 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

EQT063 MX - EA TANK DV-250

39 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

EQT064 MY - EA TANK DV-260

40 Toxic air pollutants (TAP): Emits Table 51.3 Louisiana TAP(s) Supplemental List only. Emission Control and Reduction Requirements and Standards are not required. [LAC 33:III.5109]

41 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

EQT065 WL - EA/GE COOLING TOWER

42 Toxic air pollutants (TAP): Emits Class III TAP only. MACT is not required. [LAC 33:III.5109.A]

43 Maintain all applicable records in such a manner that they can be readily accessed. Retain the most recent 6 months of records on site or make accessible by computer or other means that provides access within 2 hours after a request. Subpart F. [40 CFR 63.103(c)(1)]

44 Keep copies of all applicable reports and records required by 40 CFR 63 Subparts F, G, and H for at least 5 years. If 40 CFR 63 Subparts G or H require records to be maintained for a time period different than 5 years, maintain those records for the time specified in 40 CFR 63 Subparts G or H. Subpart F. [40 CFR 63.103(c)]

45 Heat exchange systems (cooling water): HAP monitored by the regulation's specified method(s) monthly for the first 6 months and quarterly thereafter to detect leaks. Monitor for total hazardous air pollutants, total volatile organic compounds, total organic carbon, one or more speciated HAP compounds, or other representative substances that would indicate the presence of a leak in the heat exchange system. Subpart F. [40 CFR 63.104(b)]
Which Months: All Year Statistical Basis: None specified

46 Heat exchange systems: Repair leaks as soon as practicable but not later than 45 calendar days after receiving results of monitoring tests indicating a leak, if a leak is detected according to the criteria of 40 CFR 63.104(b) or (c). Once the leak has been repaired, confirm that the heat exchange system has been repaired within 7 calendar days of the repair or startup, whichever is later. Subpart F. [40 CFR 63.104(d)]

47 Heat exchange systems: Equipment/operational data recordkeeping by electronic or hard copy continuously. Retain the records identified in 40 CFR 63.104(f)(1)(i) through (iv) as specified in 40 CFR 63.103(c)(1). Subpart F. [40 CFR 63.104(f)]

EQT066 AO2 - EA RAIL CAR LOADING OPERATIONS

48 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in 40 CFR 63.130(f)(1) through (f)(3). Subpart G. [40 CFR 63.130(f)]

FUG003 DS - EA FUGITIVE EMISSIONS

49 Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. [LAC 33:III.2111]

50 Comply with the recordkeeping and reporting requirements of the overall most stringent program. [LAC 33:III.2122, 40 CFR 63.Subpart H]

FUG003 DS - EA FUGITIVE EMISSIONS

51 VOC, Total: Use leak definitions and monitoring frequency based on the overall most stringent program. Percent leaker performance shall be calculated using the provisions of the overall most stringent program. Annual monitoring shall be defined as once every four quarters. Some allowance may be made in the first year of the streamlined program in order to allow transition from existing monitoring schedules. [LAC 33:III.2122, 40 CFR 61.Subpart H]

52 VOC, Total: Apply the streamlined program to the combined universe of components subject to any of the programs being streamlined. Any component type which does not require periodic monitoring under the overall most stringent program (40 CFR 63 Subpart H-HON) shall be monitored as required by the most stringent requirements of any other program being streamlined and will not be exempted. The streamlined program will include any exemptions based on size of component available in any of the programs being streamlined. [LAC 33:III.2122, 40 CFR 63.Subpart H]

53 VOC, Total monitored by leak detection and repair (LDAR) system at the regulation's specified frequency. Comply with the streamlined equipment leaks monitoring program. Compliance with the streamlined program in accordance with this specific condition shall serve to comply with each of the applicable fugitive requirements in the following table. Noncompliance with the streamlined program in accordance with this specific condition may subject the permittee to enforcement action for one or more of the applicable fugitive emission programs:

Unit or Plant Site	Program Being Streamlined	Stream Applicability	Overall Most Stringent Program
Ethanolamines Plant	40 CFR 63 Subpart H-HON LAC 33:III.2122	5% VOHAP 10% VOC	40 CFR 63 Subpart H-HON

. [LAC 33:III.2122, 40 CFR 63.Subpart H]
Which Months: All Year Statistical Basis: Approved basis

54 Fugitive emission piping components may be added to or removed from the permitted units, without triggering the need to apply for a permit modification provided all the following are adhered to:
a) changes in components involve routine maintenance, or are undertaken to address safety concerns, or involve small piping revisions with no associated emissions increases except from the fugitive emission components themselves;
b) changes do not involve any associated increase in production rate or capacity, or tie in of new or modified process equipment other than the piping components;
c) actual emissions following the changes will be insignificant activities that do not exceed the emission limits contained in this permit; and
d) the components are promptly incorporated into any applicable leak detection and repair program. [LAC 33:III.501.C.6]

55 VOC, Total: Comply with LAC 33:III.2122 by implementing the Louisiana Consolidated Fugitive Emission Program Guidelines. Compliance is achieved through compliance with 40 CFR 63 Subpart H. [LAC 33:III.501]

56 VOTAP: Comply with LAC 33:III.5109 by complying with 40 CFR 63 Subpart H. [LAC 33:III.5109.A]

57 Maintain all applicable records in such a manner that they can be readily accessed. Retain the most recent 6 months of records on site or make accessible by computer or other means that provides access within 2 hours after a request. Subpart F. [40 CFR 63.103(c)(1)]

58 Keep copies of all applicable reports and records required by 40 CFR 63 Subparts F, G, and H for at least 5 years. If 40 CFR 63 Subparts G or H require records to be maintained for a time period different than 5 years, maintain those records for the time specified in 40 CFR 63 Subparts G or H. Subpart F. [40 CFR 63.103(c)]

59 Identify each piece of equipment in a process unit such that it can be distinguished readily from equipment that is not subject to 40 CFR 63 Subpart H. Subpart H. [40 CFR 63.162(c)]

60 Clearly identify leaking equipment, for leaking equipment detected as specified in 40 CFR 63.163, 40 CFR 63.164, 40 CFR 63.168, 40 CFR 63.169, and 40 CFR 63.172 through 63.174. The identification may be removed after the equipment is repaired, except for valves or for connectors subject to 40 CFR 63.174(c)(1)(i). The identification on a valve may be removed after it has been monitored as specified in 40 CFR 63.168(f)(3) and 63.175(e)(i)(D), and no leak has been detected during the follow-up monitoring. If electing to comply using the provisions of 40 CFR 63.174(c)(1)(i), the identification on a connector may be removed after it is monitored as specified in 40 CFR 63.174(c)(1)(i) and no leak is detected during that monitoring. Subpart H. [40 CFR 63.162(f)]

FUG003 DS - EA FUGITIVE EMISSIONS

61 Pumps in light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 monthly to detect leaks, except as provided in 40 CFR 63.162(b) and 63.163(e) through (j). If a reading of 10,000 ppm (phase I); 5,000 ppm (phase II); or 5,000 ppm (phase III, pumps handling polymerizing monomers), 2,000 ppm (phase III, pumps in food/medical service), or 1,000 ppm (phase III, all other pumps) or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.163(c). Subpart H. [40 CFR 63.163(b)(1)]
Which Months: All Year Statistical Basis: None specified

62 Pumps in light liquid service: Presence of a leak monitored by visual inspection/determination weekly (calendar). Monitor for indications of liquids dripping from the pump seal. If there are indications of liquids dripping from the pump seal, a leak is detected. If a leak is detected, initiate the repair provisions specified in 40 CFR 63.163(c). Subpart H. [40 CFR 63.163(b)(3)]
Which Months: All Year Statistical Basis: None specified

63 Pumps in light liquid service: Make a first attempt at repair no later than 5 calendar days after a leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.163(c)(3) and 40 CFR 63.171. Subpart H. [40 CFR 63.163(c)]

64 Pumps in light liquid service: Implement a quality improvement program for pumps that complies with the requirements of 40 CFR 63.176, if, in Phase III, calculated on a 6-month rolling average, the greater of either 10 percent of the pumps in a process unit or three pumps in a process unit leak. Subpart H. [40 CFR 63.163(d)(2)]

65 Pumps in light liquid service: Determine percent leaking pumps using the equation in 40 CFR 63.163(d)(4). Subpart H. [40 CFR 63.163(d)(4)]

66 Pumps in light liquid service (dual mechanical seal system): Operate with the barrier fluid at a pressure that is at all times greater than the pump stuffing box pressure; or equip with a barrier fluid degassing reservoir that is routed to a process or fuel gas system or connected by a closed-vent system to a control device that complies with the requirements of 40 CFR 63.172; or equip with a closed-loop system that purges the barrier fluid into a process stream. Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(1)]

67 Pumps in light liquid service (dual mechanical seal system): Ensure that the barrier fluid is not in light liquid service. Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(2)]

68 Pumps in light liquid service (dual mechanical seal system): Equip barrier fluid system with a sensor that will detect failure of the seal system, barrier fluid system, or both. Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(3)]

69 Pumps in light liquid service (dual mechanical seal system): Presence of a leak monitored by visual inspection/determination weekly (calendar). Monitor for indications of liquids dripping from the pump seal. If there are indications of liquid dripping from the pump seal at the time of the weekly inspection, monitor the pump as specified in 40 CFR 63.180(b) to determine if there is a leak of organic HAP in the barrier fluid. If an instrument reading of 1,000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate the repair provisions in 40 CFR 63.163(e)(6). Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(4)]
Which Months: All Year Statistical Basis: None specified

70 Pumps in light liquid service (dual mechanical seal system): Determine, based on design considerations and operating experience, criteria that indicates failure of the seal system, the barrier fluid system, or both. Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(6)(i)]

71 Pumps in light liquid service (dual mechanical seal system): Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.171. Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)(6)]

72 Pumps in light liquid service (dual mechanical seal system - sensor): Equipment/operational data monitored by visual inspection/determination daily, or equip with an audible alarm unless the pump is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criteria established in 40 CFR 63.163(e)(6), a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.163(e)(6). Comply with this requirement instead of the requirements in 40 CFR 63.163(a) through (d). Subpart H. [40 CFR 63.163(e)]
Which Months: All Year Statistical Basis: None specified

FUG003 DS - EA FUGITIVE EMISSIONS

73 Pumps in light liquid service (unmanned plant site): Presence of a leak monitored by visual inspection/determination at the regulation's specified frequency. Monitor each pump as often as practicable and at least monthly. Comply with this requirement instead of the weekly visual inspection requirement of 40 CFR 63.163(b)(3) and (e)(4), and the daily requirements of 40 CFR 63.163(e)(5). Subpart H. [40 CFR 63.163(h)]
Which Months: All Year Statistical Basis: None specified

74 Pumps in light liquid service (unsafe-to-monitor): Determine that the pump is unsafe-to-monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.163(b) through (d). Comply with this requirement instead of the requirements in 40 CFR 63.163(b) through (e). Subpart H. [40 CFR 63.163(j)(1)]

75 Pumps in light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of the pump as frequently as practicable during safe-to-monitor times but not more frequently than the periodic monitoring schedule otherwise applicable. Comply with this requirement instead of the requirements in 40 CFR 63.163(b) through (e). Subpart H. [40 CFR 63.163(j)(2)]
Which Months: All Year Statistical Basis: None specified

76 Compressors: Equip with a seal system that includes a barrier fluid system and that prevents leakage of process fluid to the atmosphere, except as provided in 40 CFR 63.162(b) and 40 CFR 63.164(h) and (i). Subpart H. [40 CFR 63.164(a)]

77 Compressors: Operate the seal system with the barrier fluid at a pressure that is greater than the compressor stuffing box pressure; or equip with a barrier fluid system degassing reservoir that is routed to a process or fuel gas system or connected by a closed-vent system to a control device that complies with the requirements of 40 CFR 63.172; or equip with a closed-loop system that purges the barrier fluid directly into a process stream. Subpart H. [40 CFR 63.164(b)]

78 Compressors: Ensure that the barrier fluid is not in light liquid service. Subpart H. [40 CFR 63.164(c)]

79 Compressors: Equip each barrier fluid system as described in 40 CFR 63.164(a) through (c) with a sensor that will detect failure of the seal system, barrier fluid system, or both. Subpart H. [40 CFR 63.164(d)]

80 Compressors (sensor): Determine, based on design considerations and operating experience, a criterion that indicates failure of the seal system, the barrier fluid system, or both. Subpart H. [40 CFR 63.164(e)(2)]

81 Compressors: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after each leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.164(g)]

82 Compressors (no detectable emissions): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once initially and annually, and at other times requested by DEQ. Comply with this requirement instead of the requirements in 40 CFR 63.164(a) through (h). Subpart H. [40 CFR 63.164(i)(2)]
Which Months: All Year Statistical Basis: None specified

83 Compressors (sensor): Equipment/operational data monitored by visual inspection/determination daily, or equip with an alarm, unless the compressor is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criterion determined under 40 CFR 63.164(e)(2), a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.164(g). Subpart H. [40 CFR 63.164]
Which Months: All Year Statistical Basis: None specified

84 Pressure relief device in gas/vapor service: Organic HAP < 500 ppm above background except during pressure releases, as determined by the method specified in 63.180(c). Subpart H. [40 CFR 63.165(a)]
Which Months: All Year Statistical Basis: None specified

85 Pressure relief devices in gas/vapor service: After each pressure release, return to a condition indicated by an instrument reading of less than 500 ppm above background, as soon as practicable, but no later than 5 calendar days after each pressure release, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.165(b)(1)]

86 Pressure relief devices in gas/vapor service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 within 5 days (calendar) after the pressure release and being returned to organic HAP service, to confirm the condition indicated by an instrument reading of less than 500 ppm above background, as measured by the method specified in 40 CFR 63.180(c). Subpart H. [40 CFR 63.165(b)(2)]
Which Months: All Year Statistical Basis: None specified

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87 Pressure relief devices in gas/vapor service (rupture disk): After each pressure release, install a new rupture disk upstream of the pressure relief device as soon as practicable, but no later than 5 calendar days after each pressure release, except as provided in 40 CFR 63.171. Comply with this requirement instead of the requirements in 40 CFR 63.165(a) and (b). Subpart H. [40 CFR 63.165(d)(2)]

88 Sampling connection systems: Equip with a closed-purge, closed-loop, or closed-vent system, except as provided in 40 CFR 63.162(b). Operate the system as specified in 40 CFR 63.166(b). Subpart H. [40 CFR 63.166]

89 Open-ended valves or lines: Equip with a cap, blind flange, plug, or a second valve, except as provided in 40 CFR 63.162(b) and 40 CFR 63.167(d) and (e). Ensure that the cap, blind flange, plug or second valve seals the open end at all times except during operations requiring process fluid flow through the open-ended valve or line, or during maintenance or repair. Operate each open-ended valve or line equipped with a second valve in a manner such that the valve on the process fluid end is closed before the second valve is closed. Subpart H. [40 CFR 63.167]

90 Valves in gas/vapor service or light liquid service (Phase I): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 quarterly, as specified in 40 CFR 63.180(b). If an instrument reading of 10,000 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). Subpart H. [40 CFR 63.168(c)]
Which Months: All Year Statistical Basis: None specified

91 Valves in gas/vapor service or light liquid service (Phase II): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 quarterly, as specified in 40 CFR 63.180(b). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). Subpart H. [40 CFR 63.168(c)]
Which Months: All Year Statistical Basis: None specified

92 Valves in gas/vapor service or light liquid service (Phase III, 2 percent or greater leaking valves): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 monthly, as specified in 40 CFR 63.180(b); or implement a quality improvement program for valves that complies with the requirements of 40 CFR 63.175 and monitor quarterly. If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). If electing to implement a quality improvement program, follow the procedures in 40 CFR 63.175. Subpart H. [40 CFR 63.168(d)(1)]
Which Months: All Year Statistical Basis: None specified

93 Valves in gas/vapor service or light liquid service (Phase III, less than 2 percent leaking valves): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 quarterly, as specified in 40 CFR 63.180(b). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). Permittee may elect to comply with the alternate standards in 40 CFR 63.168(d)(3) and (d)(4). Subpart H. [40 CFR 63.168(d)(2)]
Which Months: All Year Statistical Basis: None specified

94 Valves in gas/vapor service or light liquid service: Determine percent leaking valves using the equation in 40 CFR 63.168(e)(1). Subpart H. [40 CFR 63.168(e)(1)]

95 Valves in gas/vapor service or light liquid service (after leak repair): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once within three months (at least) after repair to determine whether the valve has resumed leaking. Subpart H. [40 CFR 63.168(f)(3)]
Which Months: All Year Statistical Basis: None specified

96 Valves in gas/vapor service or light liquid service: Make a first attempt at repair no later than 5 calendar days after a leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.168(f)]

97 Valves in gas/vapor service or light liquid service (unsafe-to-monitor): Demonstrate that the valve is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.168(b) through (d). Comply with this requirement instead of the requirements in 40 CFR 63.168(b) through (f). Subpart H. [40 CFR 63.168(h)(1)]

98 Valves in gas/vapor service or light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of the valves as frequently as practicable during safe-to-monitor times, but not more frequently than the periodic monitoring schedule otherwise applicable. Comply with this requirement instead of the requirements in 40 CFR 63.168(b) through (f). Subpart H. [40 CFR 63.168(h)(2)]
Which Months: All Year Statistical Basis: None specified

FUG003 DS - EA FUGITIVE EMISSIONS

99 Valves in gas/vapor service or light liquid service (difficult-to-monitor): Demonstrate that the valve cannot be monitored without elevating the monitoring personnel more than 2 meters above a support surface or it is not accessible at anytime in a safe manner. Comply with this requirement instead of the requirements in 40 CFR 63.168(b) through (d). Subpart H. [40 CFR 63.168(i)(1)]

100 Valves in gas/vapor service or light liquid service (difficult-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually. Maintain a written plan that requires monitoring of the valves at least once per calendar year. Comply with this requirement instead of the requirements in 40 CFR 63.168(b) through (d). Subpart H. [40 CFR 63.168(i)(3)]
Which Months: All Year Statistical Basis: None specified

101 Pumps, valves, connectors, and agitators in heavy liquid service; instrumentation systems; and pressure relief devices in liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 within 5 days (calendar) if evidence of a potential leak to the atmosphere is found by visible, audible, olfactory, or any other detection method. If a reading of 10,000 ppm for agitators, 5,000 ppm for pumps handling polymerizing monomers, 2,000 ppm for all other pumps (including pumps in food/medical service), or 500 ppm for valves, connectors, instrumentation systems, and pressure relief devices, or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.169(c). Subpart H. [40 CFR 63.169(a)]
Which Months: All Year Statistical Basis: None specified

102 Pumps, valves, connectors, and agitators in heavy liquid service; instrumentation systems; and pressure relief devices in liquid service: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.169(c)]

103 Surge control vessels and bottoms receivers: Equip with a closed-vent system that routes the organic vapors vented from the surge control vessel or bottoms receiver back to the process or to a control device that complies with the requirements of 40 CFR 63.172, except as provided in 40 CFR 63.162(b), or comply with the requirements of 40 CFR 63.119(b) or (c), if surge control vessel or bottoms receiver is not routed back to the process and meets the conditions specified in 40 CFR 63 Subpart H Table 2 or Table 3. Subpart H. [40 CFR 63.170]

104 Closed-vent system (hard-piping): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once initially according to the procedures in 40 CFR 63.180(b). If an instrument reading greater than 500 ppm above background is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(f)(1)(i)]
Which Months: All Year Statistical Basis: None specified

105 Closed-vent system (hard-piping): Presence of a leak monitored by visual, audible, and/or olfactory annually. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(f)(1)(ii)]
Which Months: All Year Statistical Basis: None specified

106 Closed-vent system (duct work): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once initially according to the procedures in 40 CFR 63.180(b). If an instrument reading greater than 500 ppm above background is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(f)(2)(i)]
Which Months: All Year Statistical Basis: None specified

107 Closed-vent system (duct work): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually according to the procedures in 40 CFR 63.180(b). If an instrument reading greater than 500 ppm above background is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.172(h). Subpart H. [40 CFR 63.172(f)(2)(ii)]
Which Months: All Year Statistical Basis: None specified

108 Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.172(i). Subpart H. [40 CFR 63.172(h)]

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109 Closed-vent system (bypass lines): Flow monitored by flow indicator once every 15 minutes. Install flow indicator at the entrance to any bypass line. Subpart H. [40 CFR 63.172(j)(1)]
Which Months: All Year Statistical Basis: None specified

110 Closed-vent system (bypass lines): Flow recordkeeping by electronic or hard copy once every 15 minutes. Generate records as specified in 40 CFR 63.118(a)(3). Subpart H. [40 CFR 63.172(j)(1)]

111 Closed-vent system (bypass lines): Secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. Subpart H. [40 CFR 63.172(j)(2)]

112 Closed-vent system (bypass lines): Seal or closure mechanism monitored by visual inspection/determination monthly to ensure the valve is maintained in the non-diverting position and the vent stream is not diverted through the bypass line. Subpart H. [40 CFR 63.172(j)(2)]
Which Months: All Year Statistical Basis: None specified

113 Closed-vent system (unsafe-to-inspect): Demonstrate that the equipment is unsafe to inspect because inspecting personnel would be exposed to an imminent or potential dangers as a consequence of complying with 40 CFR 63.172(f)(1) or (f)(2). Comply with this requirement instead of the requirements in 40 CFR 63.172(f)(1) and (f)(2). Subpart H. [40 CFR 63.172(k)(1)]

114 Closed-vent system (unsafe-to-inspect): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires inspection of the equipment as frequently as practicable during safe-to-inspect times, but not more frequently than annually. Comply with this requirement instead of the requirements in 40 CFR 63.172(f)(1) and (f)(2). Subpart H. [40 CFR 63.172(k)(2)]
Which Months: All Year Statistical Basis: None specified

115 Closed-vent system (difficult-to-inspect): Demonstrate that the equipment cannot be inspected without elevating the inspecting personnel more than 2 meters above a support surface. Comply with this requirement instead of the requirements in 40 CFR 63.172(f)(1) and (f)(2). Subpart H. [40 CFR 63.172(l)(1)]

116 Closed-vent system (difficult-to-inspect): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once every five years. Maintain a written plan that requires inspection of the equipment at least once every five years. Comply with this requirement instead of the requirements in 40 CFR 63.172(f)(1) and (f)(2). Subpart H. [40 CFR 63.172(l)(2)]
Which Months: All Year Statistical Basis: None specified

117 Ensure that the closed-vent system or control device is operating whenever organic HAP emissions are vented to the closed-vent system or control device. Subpart H. [40 CFR 63.172(m)]

118 Agitators in gas/vapor service or light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 monthly to detect leaks, as specified in 40 CFR 63.180(b). If an instrument reading of 10,000 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.173(c). Subpart H. [40 CFR 63.173(a)]
Which Months: All Year Statistical Basis: None specified

119 Agitators in gas/vapor service or light liquid service: Presence of a leak monitored by visual inspection/determination weekly (calendar) for indications of liquids dripping from the agitator. If there are indications of liquids dripping from the agitator, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.173(c). Subpart H. [40 CFR 63.173(b)]
Which Months: All Year Statistical Basis: None specified

120 Agitators in gas/vapor service or light liquid service: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.173(c)]

121 Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Operate with the barrier fluid at a pressure that is at all times greater than the agitator stuffing box pressure; or equip with a barrier fluid degassing reservoir that is routed to a process or fuel gas system or connected by a closed-vent system to a control device that complies with the requirements of 40 CFR 63.172; or equip with a closed-loop system that purges the barrier fluid into a process stream. Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(1)]

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122 Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Ensure that the barrier fluid is not in light liquid organic HAP service. Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(2)]

123 Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Equip barrier fluid system with a sensor that will detect failure of the seal system, barrier fluid system, or both. Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(3)]

124 Agitators in gas/vapor service or light liquid service (dual mechanical seal system): Presence of a leak monitored by visual inspection/determination weekly (calendar). Monitor for indications of liquids dripping from the agitator seal. If there are indications of liquid dripping from the agitator seal at the time of the weekly inspection, monitor the agitator as specified in 40 CFR 63.180(b) to determine the presence of organic HAP in the barrier fluid. If an instrument reading of 10,000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate the repair provisions in 40 CFR 63.173(d)(6). Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(4)]
Which Months: All Year Statistical Basis: None specified

125 Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Determine, based on design considerations and operating experience, criteria that indicates failure of the seal system, the barrier fluid system, or both. Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(6)(i)]

126 Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.171. Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)(6)]

127 Agitators in gas/vapor service or light liquid service (dual mechanical seal system - sensor): Equipment/operational data monitored by visual inspection/determination daily, or equip with an audible alarm unless the agitator is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criteria established in 40 CFR 63.173(d)(6), a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.173(d)(6). Comply with this requirement instead of the requirements in 40 CFR 63.173(a). Subpart H. [40 CFR 63.173(d)]
Which Months: All Year Statistical Basis: None specified

128 Agitators in gas/vapor service or light liquid service (unmanned plant site): Presence of a leak monitored by visual inspection/determination at the regulation's specified frequency. Monitor each agitator as often as practicable and at least monthly. Comply with this requirement instead of the weekly visual inspection requirement of 40 CFR 63.173(b)(1) and (d)(4), and the daily requirements of 40 CFR 63.173(d)(5). Subpart H. [40 CFR 63.173(g)]
Which Months: All Year Statistical Basis: None specified

129 Agitators in gas/vapor service or light liquid service (difficult to monitor): Demonstrate that the agitator cannot be monitored without elevating the monitoring personnel more than two meters above a support surface or it is not accessible at anytime in a safe manner. Comply with this requirement instead of the requirements in 40 CFR 63.173(a) through (d). Subpart H. [40 CFR 63.173(h)(1)]

130 Agitators in gas/vapor service or light liquid service (difficult-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually. Maintain a written plan that requires monitoring of the agitator at least once per calendar year. Comply with this requirement instead of the requirements in 40 CFR 63.173(a) through (d). Subpart H. [40 CFR 63.173(h)(3)]
Which Months: All Year Statistical Basis: None specified

131 Agitators in gas/vapor service or light liquid service (unsafe-to-monitor): Demonstrate that the agitator is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.173(a) through (d). Comply with this requirement instead of the requirements in 40 CFR 63.173(a) through (d). Subpart H. [40 CFR 63.173(j)(1)]

132 Agitators in gas/vapor service or light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of the agitator as frequently as practicable during safe-to-monitor times, but not more frequently than the periodic monitoring schedule otherwise applicable. Comply with this requirement instead of the requirements in 40 CFR 63.173(a) through (d). Subpart H. [40 CFR 63.173(j)(2)]
Which Months: All Year Statistical Basis: None specified

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133 Connectors in gas/vapor service or light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once within 12 months after the compliance date, except as provided in 40 CFR 63.174(f) through (h). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.174(d). Subpart H. [40 CFR 63.174(b)(1)]
Which Months: All Year Statistical Basis: None specified

134 Connectors in gas/vapor service or light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once within the first 12 months after initial startup or by no later than 12 months after the date of promulgation of a specific subpart that references 40 CFR 63 Subpart H, whichever is later, except as specified in 40 CFR 63.174(f) through (h). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.174(d). Subpart H. [40 CFR 63.174(b)(2)]
Which Months: All Year Statistical Basis: None specified

135 Connectors in gas/vapor service or light liquid service (0.5% or greater leaking): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually. Subpart H. [40 CFR 63.174(b)(3)(i)]
Which Months: All Year Statistical Basis: None specified

136 Connectors in gas/vapor service or light liquid service (less than 0.5% leaking): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once every two years. Subpart H. [40 CFR 63.174(b)(3)(ii)]
Which Months: All Year Statistical Basis: None specified

137 Connectors in gas/vapor service or light liquid service (opened or otherwise had the seal broken): Presence of a leak monitored by 40 CFR 60, Appendix A, Method 21 within three months after being returned to organic HAP service or when it is reconnected. If monitoring detects a leak, repair according to the provisions of 40 CFR 63.174(d), as specified, except as provided in 40 CFR 63.174(c)(1)(ii). Subpart H. [40 CFR 63.174(c)(1)(i)]
Which Months: All Year Statistical Basis: None specified

138 Connectors in gas/vapor service or light liquid service (2 inches or less in nominal diameter): Comply with the requirements of 40 CFR 63.169. Subpart H. [40 CFR 63.174(c)(2)(i)]

139 Connectors in gas/vapor service or light liquid service (2 inches or less in nominal diameter): Organic HAP monitored by technically sound method within three months after being returned to organic HAP service after having been opened or otherwise had the seal broken. If monitoring detects a leak, implement repair provisions in 40 CFR 63.174(d). Subpart H. [40 CFR 63.174(c)(2)(ii)]
Which Months: All Year Statistical Basis: None specified

140 Connectors in gas/vapor service or light liquid service: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.171 and 63.174(g). Subpart H. [40 CFR 63.174(d)]

141 Connectors in gas/vapor service or light liquid service (unsafe-to-monitor): Demonstrate that the connector is unsafe to monitor because personnel would be exposed to an immediate danger as a result of complying with 40 CFR 63.174(a) through (c). Comply with this requirement instead of the requirements in 40 CFR 63.174(a). Subpart H. [40 CFR 63.174(f)(1)]

142 Connectors in gas/vapor service or light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of connectors as frequently as practicable during safe to monitor times, but not more frequently than the periodic schedule otherwise applicable. Comply with this requirement instead of the requirements in 40 CFR 63.174(a). Subpart H. [40 CFR 63.174(f)(2)]
Which Months: All Year Statistical Basis: None specified

143 Connectors in gas/vapor service or light liquid service (unsafe-to-repair): Demonstrate that repair personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.174(d). Comply with this requirement instead of the requirements in 40 CFR 63.174(a), (d), and (e). Subpart H. [40 CFR 63.174(g)]

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144 Connectors in gas/vapor service or light liquid service (inaccessible, ceramic, or ceramic-lined): Make a first attempt at repair within 5 days after leak is detected by visual, audible, olfactory or other means, and complete repairs no later than 15 calendar days after leak is detected, except as provided in 40 CFR 63.171 and 63.174(g). Comply with this requirement instead of the monitoring requirements of 40 CFR 63.174(a) and (c) and from the recordkeeping and reporting requirements of 40 CFR 63.181 and 63.182. Subpart H. [40 CFR 63.174(h)(2)]

145 Connectors in gas/vapor service or light liquid service: Calculate percent leaking connectors as specified in 40 CFR 63.174(i)(1) and (i)(2). Subpart H. [40 CFR 63.174(i)]

146 Comply with the test methods and procedures requirements provided in 40 CFR 63.180. Subpart H. [40 CFR 63.180]

147 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records as specified in 40 CFR 63.181(a) through (k). Subpart H. [40 CFR 63.181]

148 Submit Initial Notification: Due within 120 days after the date of promulgation of the subpart that references 40 CFR 63 Subpart H. Include the information specified in 40 CFR 63.182(b)(1). Subpart H. [40 CFR 63.182(b)]

149 Submit application: Due as soon as practicable before the construction or reconstruction is planned to commence (but it need not be sooner than 90 days after the date of promulgation of the subpart that references 40 CFR 63 Subpart H). Submit application for approval of construction or reconstruction required by 40 CFR 63.5(d) in lieu of the Initial Notification. Subpart H. [40 CFR 63.182(b)]

150 Submit Initial Notification: Due within 90 days after the date of promulgation of the subpart that references 40 CFR 63 Subpart H. Include the information specified in 40 CFR 63.182(b)(1). Subpart H. [40 CFR 63.182(b)]

151 Submit Notification of Compliance Status: Due within 90 days of the compliance dates specified in the 40 CFR 63 subpart that references 40 CFR 63 Subpart H. Include the information specified in 40 CFR 63.182(c)(1) through (c)(3). Subpart H. [40 CFR 63.182(c)]

152 Submit Periodic Reports: Due semiannually starting 6 months after the Notification of Compliance Status, as required in 40 CFR 63.182(c). Include the information specified in 40 CFR 63.182(d)(2) through (d)(4). Subpart H. [40 CFR 63.182(d)]

GRP003 AO - EA LOADING OPERATIONS EMISSIONS

153 Ethanolamines: Throughput recordkeeping by electronic or hard copy monthly. Keep records of the total Ethanolamines loaded each month, as well as the total loaded for the last twelve months. Make records available for inspection by DEQ personnel. [LAC 33:III.501.C.6]

154 Throughput monitored by technically sound method during loading. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

155 Submit report: Due annually, by the 31st of March. Report the Ethanolamines throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]

156 Monoethanolamine (MEA): Throughput <= 1200 gallons/min per loading facility. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if throughput exceeds the maximum listed in this specific condition for any twelve consecutive month period. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

157 Diethanolamine (DEA)/ Triethanolamine (TEA) and higher structures: Throughput <= 500 gallons/min per loading facility. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if throughput exceeds the maximum listed in this specific condition for any twelve consecutive month period. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: None specified

158 Toxic air pollutants (TAP): Emits Table 51.3 Louisiana TAP(s) Supplemental List only. Emission Control and Reduction Requirements and Standards are not required. [LAC 33:III.5109]

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159 Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1103]

160 Outdoor burning of waste material or other combustible material is prohibited. [LAC 33:III.1109.B]

161 Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1303.B]

162 Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5. [LAC 33:III.2113.A]

163 Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance. [LAC 33:III.219]

164 Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point butanol scale as determined by Method 41 of LAC 33:III.2901.G are prohibited. [LAC 33:III.2901.D]

165 If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33:III.2901.G. [LAC 33:III.2901.F]

166 Maintain best practical housekeeping and maintenance practices at the highest possible standards to control emissions of highly reactive volatile organic compounds (HRVOC), which include 1,3-Butadiene, Butene, cis-2-Butene, trans-2-Butene, Ethylene, Propylene, Toluene, Xylene, m/p-Xylene, o-Xylene. [LAC 33:III.501.C.6]

167 Maintain, to the extent practicable, a leak-free facility taking such steps as are necessary and reasonable to prevent leaks and to expeditiously repair leaks that occur. Update the written plan presently required by LAC 33:III.2113.A.4 within 30 days of receipt of this permit to incorporate these general duty obligations into the housekeeping procedures. The plan shall then be considered a means of emission control subject to the required use and maintenance provisions of LAC 33:III.905. Failure to develop, use, and diligently maintain the plan shall be a violation of this permit. [LAC 33:III.501.C.6]

168 Ammonia <= 3.37 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

169 Diethanolamine <= 0.42 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

170 Ethylene oxide <= 0.69 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

171 Glycol ethers (Table 51.3) < 0.01 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

172 Chlorine <= 0.09 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

173 Particulate matter (10 microns or less) <= 26.67 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

174 Acetaldehyde < 0.01 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

175 VOC, Total <= 10.60 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

176 Sulfuric acid < 0.01 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

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177 Glycol ethers (Table 51.1) < 0.01 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

178 Comply with the requirements of the Nonattainment New Source Review Program. This permit includes provisions of the Nonattainment New Source Review Procedures (NNSR) from LAC 33:III.504. [LAC 33:III.504]

179 Do not construct or modify any stationary source subject to any standard set forth in LAC 33:III.Chapter 51.Subchapter A without first obtaining written authorization from DEQ in accordance with LAC 33:III.Chapter 51.Subchapter A, after the effective date of the standard. [LAC 33:III.5105.A.1]

180 Do not cause a violation of any ambient air standard listed in LAC 33:III.Table 51.2, unless operating in accordance with LAC 33:III.5109. [LAC 33:III.5105.A.2]

181 Do not build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission that would otherwise constitute a violation of an applicable standard. [LAC 33:III.5105.A.3]

182 Do not fail to keep records, notify, report or revise reports as required under LAC 33:III.Chapter 51.Subchapter A. [LAC 33:III.5105.A.4]

183 Toxic Emissions Data Inventory (TEDI): Submit Annual Emissions Report (TEDI): Due annually, by the 1st of July, to the Office of Environmental Assessment, Environmental Evaluation Division in a form specified by the department. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table 51.1 or Table 51.3. [LAC 33:III.5107.A.2]

184 Include a certification statement with initial and subsequent annual emission reports and revisions to any emission report to attest that the information contained in the emission report is true, accurate, and complete, and signed by a responsible official, as defined in LAC 33:III.502. Include the full name of the responsible official, title, signature, date of signature and phone number of the responsible official. The certification statement shall read: "I certify, under penalty of perjury, that the emissions data provided is accurate to the best of my knowledge, information, and belief, and I understand that submitting false or misleading information will expose me to prosecution under state regulations" [LAC 33:III.5107.A.3]

185 Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but no later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere which results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property). [LAC 33:III.5107.B.1]

186 Submit notification: Due to the Office of Environmental Compliance, except as provided in LAC 33:III.5107.B.6, no later than 24 hours after the beginning of any unauthorized discharge into the atmosphere of a toxic air pollutant as a result of bypassing an emission control device, when the emission control bypass was not the result of an upset, and the quantity of the unauthorized bypass is greater than or equal to the lower of the Minimum Emission Rate (MER) in LAC 33:III.Chapter 51.Table 51.1 or a reportable quantity (RQ) in LAC 33:I.3931, or the quantity of the unauthorized bypass is greater than one pound and there is no MER or RQ for the substance in question. Submit notification in the manner provided in LAC 33:I.3923. [LAC 33:III.5107.B.2]

187 Submit notification: Due to the Office of Environmental Compliance immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere that does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33:I.3931, except as provided in LAC 33:III.5107.B.6. Submit notification in the manner provided in LAC 33:I.3923. [LAC 33:III.5107.B.3]

188 Submit written report: Due within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through 3. Submit report to the Office of Environmental Compliance by certified mail. Include the information specified in LAC 33:III.5107.B.4.a.i through viii. [LAC 33:III.5107.B.4]

189 Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, in the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge. [LAC 33:III.5107.B.5]

190 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. [LAC 33:III.5109.A]

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191 Achieve compliance with ambient air standards unless it can be demonstrated to the satisfaction of DEQ that compliance with an ambient air standard would be economically infeasible; that emissions could not reasonably be expected to pose a threat to public health or the environment; and that emissions would be controlled to a level that is Maximum Achievable Control Technology. [LAC 33:III.5109.B.3]

192 Determine the status of compliance, beyond the property line, with applicable ambient air standards listed in LAC 33:III.5112.Table 51.2. [LAC 33:III.5109.B]

193 Shall comply with LAC 33:III.5109, MACT requirements, by cleaning the equipment from the EA Opening Losses (GCXVII Activity) with water, prior to opening to the atmosphere, to minimize opening losses. [LAC 33:III.5109]

194 Obtain a Louisiana Air Permit in accordance with LAC 33:III.5111.B and C and in accordance with LAC 33:I.1701, before commencement of the construction of any new source. [LAC 33:III.5111.A.1]

195 Obtain a permit modification in accordance with LAC 33:III.5111.B and C before commencement of any modification not specified in a compliance plan submitted under LAC 33:III.5109.D, if the modification will result in an increase in emissions of any toxic air pollutant or will create a new point source. [LAC 33:III.5111.A.2.a]

196 Do not commence construction or modification of any major source without first obtaining written authorization from DEQ, as specified. [LAC 33:III.5111.A]

197 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]

198 Submit test results: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. [LAC 33:III.5113.B.1]

199 Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. [LAC 33:III.5113.B.2]

200 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]

201 Provide emission testing facilities as specified in LAC 33:III.5113.B.4.a through e. [LAC 33:III.5113.B.4]

202 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]

203 Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]

204 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]

205 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]

206 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]

207 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]

208 Submit performance evaluation report: Due to the Office of Environmental Assessment, Environmental Technology Division within 60 days of the monitoring system performance evaluation. [LAC 33:III.5113.C.2]

209 Submit notification in writing: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before a performance evaluation of the monitoring system is to begin. [LAC 33:III.5113.C.2]

210 Install a monitoring system on each effluent or on the combined effluent, when monitoring is required and the effluents from a single source, or from two or more sources subject to the same emission standards, are combined before being released to the atmosphere. If two or more sources are not subject to the same emission standards, install a separate monitoring system on each effluent, unless otherwise specified. If the applicable standard is a mass emission standard and the effluent from one source is released to the atmosphere through more than one point, install a monitoring system at each emission point unless DEQ approves the installation of fewer systems. [LAC 33:III.5113.C.3]

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211 Evaluate the performance of continuous monitoring systems, upon request by DEQ, in accordance with the requirements and procedures contained in the applicable performance specification of 40 CFR Part 60, appendix B. [LAC 33:III.5113.C.5.a]

212 Submit report: Due to DEQ within 60 days of the performance evaluation of the CMS, if requested. Furnish DEQ with two or more copies of a written report of the test results within 60 days. [LAC 33:III.5113.C.5.a]

213 Install all continuous monitoring systems or monitoring devices to make representative measurements under variable process or operating parameters, if required to install a CMS. [LAC 33:III.5113.C.5.d]

214 Collect and reduce all data as specified in LAC 33:III.5113.C.5.e.i and ii, if required to install a CMS. [LAC 33:III.5113.C.5.e]

215 Submit plan: Due to the Office of Environmental Assessment, Environmental Technology Division within 90 days after DEQ requests either the initial plan or an updated plan, if required by DEQ to install a continuous monitoring system. Submit for approval a plan describing the affected sources and the methods for ensuring compliance with the continuous monitoring system. [LAC 33:III.5113.C.5]

216 Maintain records of monitoring data, monitoring system calibration checks, and the occurrence and duration of any period during which the monitoring system is malfunctioning or inoperative. Maintain these records at the source, or at an alternative location approved by DEQ, for a minimum of three years and make available, upon request, for inspection by DEQ. [LAC 33:III.5113.C.7]

217 An individual or company contracted to perform a demolition or renovation activity which disturbs RACM must be recognized by the Licensing Board for Contractors to perform asbestos abatement, and shall meet the requirements of LAC 33:III.5151.F.2 and F.3 for each demolition or renovation activity. [LAC 33:III.5151.F.1.f]

218 Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 5 when the administrative authority declares an Air Pollution Alert. [LAC 33:III.5609.A.1.b]

219 Activate the preplanned strategy listed in LAC 33:III.5611.Table 6 when the administrative authority declares an Air Pollution Warning. [LAC 33:III.5609.A.2.b]

220 Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 7 when the administrative authority declares an Air Pollution Emergency. [LAC 33:III.5609.A.3.b]

221 Prepare standby plans for the reduction of emissions during periods of Air Pollution Alert, Air Pollution Warning and Air Pollution Emergency. Design standby plans to reduce or eliminate emissions in accordance with the objectives as set forth in LAC 33:III.5611.Tables 5, 6, and 7. [LAC 33:III.5609.A]

222 Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency: Due within 30 days after requested by the administrative authority. [LAC 33:III.5611.A]

223 During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by the department to enforce these regulations. [LAC 33:III.5611.B]

224 Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III.5901. [LAC 33:III.5901.A]

225 Identify hazards that may result from accidental releases of the substances listed in 40 CFR 68.130, Table 59.0 of LAC 33:III.5907, or Table 59.1of LAC 33:III.5913 using appropriate hazard assessment techniques, design and maintain a safe facility, and minimize the off-site consequences of accidental releases of such substances that do occur. [LAC 33:III.5907]

226 Submit registration: Due January 31, 1998, or within 60 days after the source becomes subject to LAC 33:III.Chapter 59, whichever is later. Include the information listed in LAC 33:III.5911.B, and submit to the Department of Environmental Quality, Office of Environmental Compliance, Surveillance Division. [LAC 33:III.5911.A]

227 Submit amended registration: Due to the Department of Environmental Quality, Office of Environmental Compliance, Surveillance Division within 60 days after the information in the submitted registration is no longer accurate. [LAC 33:III.5911.C]

228 Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment, Environmental Evaluation Division. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D. [LAC 33:III.919.D]

229 All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart NNN. [40 CFR 60..660 -.648]

230 All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A. [40 CFR 60]

SPECIFIC REQUIREMENTS

AI ID: 89237 - INEOS Oxide - A Division of INEOS Americas, LLC
Activity Number: PER20040004
Permit Number: 2599-V0
Air - Title V Regular Permit Initial

GRP008 FACILITY WIDE/ETHANOLAMINES PLANT

231 Provide DEQ with written notice of intention to demolish or renovate prior to performing activities to which 40 CFR 61 Subpart M applies. Delivery of the notice by U.S. Postal Service, commercial delivery service, or hand delivery is acceptable. [40 CFR 61.145(b)(1)]

232 Do not install or reinstall on a facility component any insulating materials that contain commercial asbestos if the materials are either molded and friable or wet-applied and friable after drying. Subpart M. [40 CFR 61.148]

233 Benzene: Each owner or operator subject to 40 CFR 61 Subpart FF who has no benzene onsite in wastes, products, by-products, or intermediates shall submit an initial report that is a statement to this effect as required by 40 CFR 61.357(a). [40 CFR 61.FF]

234 All affected facilities shall comply with all applicable provisions in 40 CFR 61 Subpart A. [40 CFR 61]

235 All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A as delineated in Table 3 of 40 CFR 63 Subpart F. [40 CFR 63.Subpart F]

236 Comply with the requirements of 40 CFR 63, Subparts G and H. [40 CFR 63.Subpart F]

237 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records specified in 40 CFR 63.103(c)(2)(i) through (iii) as well as records specified in 40 CFR 63 Subparts G and H. [40 CFR 63.Subpart F]

238 All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A as delineated in Table 1A of 40 CFR 63 Subpart G. [40 CFR 63.Subpart G]

239 All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A as delineated in Table 4 of 40 CFR 63 Subpart H. [40 CFR 63.Subpart H]

240 All affected facilities shall comply with all applicable provisions in 40 CFR 68. [40 CFR 68]

241 Submit Title V permit application for renewal: Due 180 calendar days before permit expiration date. [40 CFR 70.5(a)(1)(iii)]

242 Submit Title V monitoring results report: Due semiannually, by March 31st and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(iii)(A)]

243 Submit Title V excess emissions report: Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(iii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [40 CFR 70.6(a)(3)(iii)(B)]

244 Submit Title V compliance certification: Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]

245 Comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B. [40 CFR 82.Subpart F]

RLP005 PK - EA EJECTOR VENT #1 (EJ-252)

246 Toxic air pollutants (TAP): Emits Class I and/or Class II TAP less than MER (facility-wide) - no further control is required. [LAC 33:III.5109.A]

247 TRE index value > 4.0 (no units). Subpart G. [40 CFR 63.113(e)]
Which Months: All Year Statistical Basis: None specified

248 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records of measurements, engineering assessments, and calculations performed to determine the TRE index value of the vent stream. Include all data, assumptions and procedures used for the engineering assessments, as specified in 40 CFR 63.115(d)(1). Subpart G. [40 CFR 63.117(b)]

249 Submit report: Due within 180 calendar days after a process change, as defined in 40 CFR 63.115(e), is made that causes a Group 2 process vent with a TRE greater than 4.0 to become a Group 2 process vent with a TRE less than 4.0. Include the information specified in 40 CFR 63.118(h)(1) through (h)(3). Subpart G. [40 CFR 63.118(h)]

RLP006 PL - EA EJECTOR VENT #2 (EJ-260)

250 Toxic air pollutants (TAP): Emits Class I and/or Class II TAP less than MER (facility-wide) - no further control is required. [LAC 33:III.5109.A]

251 TRE index value > 4.0 (no units). Subpart G. [40 CFR 63.113(e)]
Which Months: All Year Statistical Basis: None specified

252 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records of measurements, engineering assessments, and calculations performed to determine the TRE index value of the vent stream. Include all data, assumptions and procedures used for the engineering assessments, as specified in 40 CFR 63.115(d)(1). Subpart G. [40 CFR 63.117(b)]

253 Submit report: Due within 180 calendar days after a process change, as defined in 40 CFR 63.115(e), is made that causes a Group 2 process vent with a TRE greater than 4.0 to become a Group 2 process vent with a TRE less than 4.0. Include the information specified in 40 CFR 63.118(h)(1) through (h)(3). Subpart G. [40 CFR 63.118(h)]

RLP007 PM - EA EJECTOR VENT #3 (EJ-271)

254 Toxic air pollutants (TAP): Emits Class I and/or Class II TAP less than MER (facility-wide) - no further control is required. [LAC 33:III.5109.A]

255 Shall comply with all applicable provisions of 40 CFR 60 Subpart NNN and 40 CFR 63 Subpart G for applicability determination, process changes, recalculation of the TRE index value, and the associated recordkeeping and reporting per 40 CFR 63.110.(d)(5)(ii). [40 CFR 63.110.(d)(5)]

256 TRE index value > 4.0 (no units). Subpart G. [40 CFR 63.113(e)]
Which Months: All Year Statistical Basis: None specified

257 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records of measurements, engineering assessments, and calculations performed to determine the TRE index value of the vent stream. Include all data, assumptions and procedures used for the engineering assessments, as specified in 40 CFR 63.115(d)(1). Subpart G. [40 CFR 63.117(b)]

258 Submit report: Due within 180 calendar days after a process change, as defined in 40 CFR 63.115(e), is made that causes a Group 2 process vent with a TRE greater than 4.0 to become a Group 2 process vent with a TRE less than 4.0. Include the information specified in 40 CFR 63.118(h)(1) through (h)(3). Subpart G. [40 CFR 63.118(h)]

RLP008 PN - EA EJECTOR VENT #4 (EJ-280)

259 Toxic air pollutants (TAP): Emits Class I and/or Class II TAP less than MER (facility-wide) - no further control is required. [LAC 33:III.5109.A]

260 Shall comply with all applicable provisions of 40 CFR 60 Subpart NNN and 40 CFR 63 Subpart G for applicability determination, process changes, recalculation of the TRE index value, and the associated recordkeeping and reporting per 40 CFR 63.110.(d)(5)(ii). [40 CFR 63.110.(d)(5)]

261 TRE index value > 4.0 (no units). Subpart G. [40 CFR 63.113(e)]
Which Months: All Year Statistical Basis: None specified

262 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records of measurements, engineering assessments, and calculations performed to determine the TRE index value of the vent stream. Include all data, assumptions and procedures used for the engineering assessments, as specified in 40 CFR 63.115(d)(1). Subpart G. [40 CFR 63.117(b)]

263 Submit report: Due within 180 calendar days after a process change, as defined in 40 CFR 63.115(e), is made that causes a Group 2 process vent with a TRE greater than 4.0 to become a Group 2 process vent with a TRE less than 4.0. Include the information specified in 40 CFR 63.118(h)(1) through (h)(3). Subpart G. [40 CFR 63.118(h)]

RLP009 PO - EA STEAM EJECTOR CONDENSATION DRUM VENT (D-280)

264 Toxic air pollutants (TAP): Emits Class I and/or Class II TAP less than MER (facility-wide) - no further control is required. [LAC 33:III.5109.A]

265 TRE index value > 4.0 (no units). Subpart G. [40 CFR 63.113(e)]
Which Months: All Year Statistical Basis: None specified

RLP009 PO - EA STEAM EJECTOR CONDENSATION DRUM VENT (D-280)

266 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records of measurements, engineering assessments, and calculations performed to determine the TRE index value of the vent stream. Include all data, assumptions and procedures used for the engineering assessments, as specified in 40 CFR 63.115(d)(1). Subpart G. [40 CFR 63.117(b)]

267 Submit report: Due within 180 calendar days after a process change, as defined in 40 CFR 63.115(e), is made that causes a Group 2 process vent with a TRE greater than 4.0 to become a Group 2 process vent with a TRE less than 4.0. Include the information specified in 40 CFR 63.118(h)(1) through (h)(3). Subpart G. [40 CFR 63.118(h)]

RLP010 WK - VENT OF AMMONIA COMPRESSOR

268 Toxic air pollutants (TAP): Emits Class III TAP only. MACT is not required. [LAC 33:III.5109.A]