

### AIR PERMIT BY RULE TECHNICAL REVIEW

Registration #:	70253	Project #:	101986	APD Reviewer:	Mr. Howard Uhal
Company Name:	Huntsman Petrochemical Corporation	Facility Name:	Sour Lake - Pipeline ILIT Maintenance PL406	PBR(s) Claimed:	355

City:	Sour Lake	County:	Hardin	Date Assigned:	November 19, 2003
Reg Entity #	RN101985653	Assoc Permit #s	4618	Date Received	October 29, 2003
Primary Contact Name/Title:	Mr. Gaylon Williams JCO Materials Manager	Phone #	(409) 723-3261	Fax #	(409) 723-3499
Technical Contact Name/Title:	Mr. B. D. Forbes Environmental Manager	Phone #	(409) 723-3351	Fax #	(409) 723-3388

GENERAL RULES CHECK:	YES	NO	DESCRIBE WHICH/HOW REQUIREMENTS ARE MET IF NEEDED
Is each PBR $\leq$ 25/250 tpy?	X		Although the facility is located in a nonattainment area for NOx and VOC (Hardin County), this project does not represent a major modification and it will not create a new major source.
Are PBR sitewide emissions > 25/250 tpy? (PN)		X	NA
Are there permit limits on using PBRs at site?		X	NA
Is PSD/Nonattainment netting required?		X	Emissions are below the federal significance and major source levels. PSD review, NA review, and netting are not required.
Is FCAA §112g review required? (10/25 tpy)		X	The potential emissions from the facilities are less than 10 tpy of any individual HAP and 25 tpy of all HAPs; therefore, §112g review is not required.
Do NSPS/NESHAPS/MACT Standards apply?		X	NA
Does NOx Cap and Trade apply to this PBR?		X	The facility is not in the Houston / Galveston nonattainment area.
Is the facility in compliance with all other applicable rules and regulations?	X		The facility meets all applicable requirements of 30 TAC 115 and 30 TAC 117.
Is this facility located at a Title V major site?		X	NA
Are grandfathered facilities involved with this Registration?		X	NA
Was the appropriate fee paid? (Eff. 11/01/02)	X		\$ 450 / E409311 / October 31, 2003

<b>OVERALL SITE / UNIT DESCRIPTION:</b>
The registrant owns and operates the Sour Lake Olefins Storage Facility at 6347 Old Batson Saratoga in Sour Lake, Hardin County. Air Permit No. 4618 applies at the site. The registrant intends to perform a pipeline inspection process to complete the testing of pipeline PL406 and proposes to authorize the associated metering, purging, and maintenance operations using Section 106.355 of the rule.
<b>PROJECT SOURCES / FACILITIES, PBRs CLAIMED, APPLICABLE STANDARDS, EMISSIONS AND CONTROL SUMMARY:</b>
Pipeline PL406 is a refinery grade propylene pipeline located between Huntsman's Aromatics & Olefins (A&O) Plant Light Olefins Unit (LOU) and the Sour Lake Olefins Facility (SLOF). The process will involve the running of cleaning, caliper, and smart In-Line Inspection Tools (ILIT) or pigs through the line to complete the testing. The various pigs will be inserted at the LOU Unit. This will require brief periods of flaring prior to placement and launching of the pig from the LOU (to be authorized by separate Reg. No. 70231). Additional flaring will occur at SLOF over a seven day period during retrieval of the pigs from the pipeline, and a temporary flare will be utilized for that purpose. Emissions at the SLOF end of the pipeline (EPN F SLOF) are calculated using AP-42 factors for industrial flare operations and a control device efficiency of 99%; are certified using Form PI-8; and are shown in the table below.
<b>LIST SUMMARY</b>
This facility is utilizing Permit by Rule 106.355 for Pipeline Metering, Purging, and Maintenance. This section authorizes metering, purging, and maintenance operations for propylene pipelines between separate sites. (1) Emissions of volatile organic compounds, except equipment leak fugitive emissions, will be burned in a temporary flare of smokeless design. (2) There will be no uncontrolled emissions. (3) There will be no venting of sweet, natural gas from the pipeline. (4) The pipeline ILIT maintenance activity will meet all the requirements of this section. (5) All records required by this section will be maintained.

#### Emissions (tons/year):

Description	NO <sub>x</sub>	CO	VOC	PM	SO <sub>2</sub>
Total for this Registration	0.0006	0.0011	0.0024	0	0
Total for all Standard Exemptions and PBRs	< 250	< 250	< 25	< 25	< 25
Grandfathered Reductions/Conversions	0	0	0	0	0
NSR Regulatory Reductions	0	0	0	0	0

#### Distance Limitations (if applicable):

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Site Review/Distance Limits	Yes	No	Description/Outcome	Date	Reviewed by
Site Review Required?		X	NA	NA	NA
PBR Distance Limits Met?	X		This rule has no distance limits.	11/19/03	Mr. Howard Uhal

**Compliance History:**

**Yes**

**No**

Does this registration require a 30 TAC 60 review?

X

**Review Summary:**

**Yes**

**No**

**If no, describe**

Are all general and specific applicable rule conditions satisfied?

X

NA

Accept Claim for Registration?

X

NA

**Technical Reviewer**

**Peer Review**

**Team Leader/Manager**

Name/Signature:

Mr. Howard Uhal

Mr. Emmanuel Ukandu

Mr. Emmanuel Ukandu

Date:

Points: 1.5

11/19/03

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