

## Central File Room Cross Reference Sheet

Record Series:	AIR
Primary Identification Number (Account / RN):	RN 100219815
Secondary Identification Number (Permit):	103834
Document Name / Number:	Eastman
Date of the Document:	8/3/12

Complete Sections below as applicable:

☒ **GROSS REFERENCE** the Above Information to the Following Record:

Record Series:
Primary Identification Number (Account / RN):
Secondary Identification Number (Permit):
Comments:

☒ **MIXED: CONFIDENTIAL / Non-Confidential folders.** Attach a copy of this sheet to all folders.

Comments:

☐ Maps ☐ Photos ☐ CD ☐ DVD ☐ Oversize Documents

Document Name / Number:

Date of the Document:

Location of the Media:

- Maps, Photos, and Oversize Documents (information that cannot be folded to fit into an 8.5x11 folder) are filed into their own folders within the Central File Room.
- Compact Disks should be submitted following the procedures found in Chapter 5 of the Records Management Manual.
- Floppy disks are not accepted by the Central File Room. Information on this media should be printed or converted to a Compact Disk format.
- A copy of this cross reference sheet should be attached to all documents removed from a record.

Additional Comments:

RECEIVED

OCT 15 2012

TCEQ  
CENTRAL FILE ROOM

Bryan W. Shaw, Ph.D., *Chairman*  
Carlos Rubinstein, *Commissioner*  
Toby Baker, *Commissioner*  
Zak Covar, *Executive Director*



## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

*Protecting Texas by Reducing and Preventing Pollution*

August 3, 2012

MS STANCY A SIMPSON PE  
MANAGER ENVIRONMENTAL AFFAIRS  
EASTMAN CHEMICAL COMPANY  
PO BOX 7444  
LONGVIEW TX 75607-7444

Permit by Rule Registration Number: 103834  
Location/City/County: 300 Kodak Blvd, Longview, Harrison County  
Project Description/Unit: Replacement for column 56D-513 at EOG Plant 2  
Regulated Entity Number: RN100219815  
Customer Reference Number: CN601214406  
New or Existing Site: Existing  
Affected Permit (if applicable): 1329

Eastman Chemical Company has certified the emissions associated with the replacement for column 56D-513 at EOG Plant 2 under Title 30 Texas Administrative Code §§ 106.264. We understand that there will not be any change in the amount, character, or control of emissions for the new column; the column is part of a group which emits from a common vent. This unit uses EPN 037VS1. For rule information see:  
[www.tceq.texas.gov/permitting/air/nav/numerical\\_index.html](http://www.tceq.texas.gov/permitting/air/nav/numerical_index.html)

No planned MSS emissions have been represented or reviewed for this registration and none will be authorized. The company is also reminded that these facilities may be subject to and must comply with other state and federal air quality requirements.

This certification is taken under the authority delegated by the Executive Director of the TCEQ. If you have questions, please contact Ms. Nancy Akintan at (713) 767-3773.

Sincerely,

A handwritten signature in black ink, appearing to read "Anne M. Inman".

Anne M. Inman, P.E., Manager  
Rule Registrations Section  
Air Permits Division

Certified Emissions:

VOC	1.85	tpy
-----	------	-----

cc: Air Section Manager, Region 5 - Tyler

Project Number: 179328

# TECHNICAL REVIEW: AIR PERMIT BY RULE

<b>Permit No.:</b>	103834	<b>Company Name:</b>	Eastman Chemical Company	<b>APD Reviewer:</b>	Ms. Nancy Akintan
<b>Project No.:</b>	179328	<b>Unit Name:</b>	Replacement for column 56D-513 at EOG Plant 2	<b>PBR No(s).:</b>	106.264

GENERAL INFORMATION					
<b>Regulated Entity No.:</b>	RN100219815	<b>Project Type:</b>	Permit by Rule Application		
<b>Customer Reference No.:</b>	CN601214406	<b>Date Received by TCEQ:</b>	June 22, 2012		
<b>Account No.:</b>	HH-0042-M	<b>Date Received by Reviewer:</b>	June 25, 2012		
<b>City/County:</b>	Longview, Harrison County	<b>Physical Location:</b>	300 Kodak Blvd		

CONTACT INFORMATION					
<b>Responsible Official/ Primary Contact Name and Title:</b>	Mr. Stancy A Simpson PE Manager Environmental Affairs	<b>Phone No.:</b>	(903) 237-6057	<b>Email:</b>	SSIMPSON@EASTMAN.COM
		<b>Fax No.:</b>	(903) 237-6318		
<b>Technical Contact/ Consultant Name and Title:</b>	Mr. Jerry Thurman PE Principal Chemical Engineer	<b>Phone No.:</b>	(903) 237-6710	<b>Email:</b>	JTHURMAN@EASTMAN.COM
		<b>Fax No.:</b>	(903) 237-6318		

GENERAL RULES CHECK	YES	NO	COMMENTS
Is confidential information included in the application?	X		Emission calculations and general plant layout
Are there affected NSR or Title V permits for the project?	X		Permit Number 1329. Emissions should be incorporated into Permit Number 1329 at next amendment or renewal.
Is each PBR > 25/250 tpy?		X	
Are PBR sitewide emissions > 25/250 tpy?		NA	Site has gone through Public Notice.
Are there permit limits on using PBRs at the site?		X	There are no permits for this site.
Is PSD or Nonattainment netting required?		X	PSD review and Nonattainment netting are not required.
Do NSPS, NESHAP, or MACT standards apply to this registration?		X	NSPS will not be triggered for the replacement
Does NO <sub>x</sub> Cap and Trade apply to this registration?		X	NO <sub>x</sub> Cap and Trade is not applicable.
Is the facility in compliance with all other applicable rules and regulations?	X		Company represents that the site is in compliance with all other applicable rules and regulations.

DESCRIBE OVERALL PROCESS AT THE SITE
Eastman Chemical Company, Texas Operations (Eastman) manufactures chemicals and plastics at its plant in Longview, Harrison County. This registration will authorize in kind replacement for column 56D-513 at EOG Plant 2. The EOG Plant 2 currently authorized under Permit 1329.

DESCRIBE PROJECT AND INVOLVED PROCESS
<p>Ethylene and oxygen feedstocks are reacted to form ethylene oxide. The ethylene oxide is cooled and refined into product. Ethylene oxide is used as a feedstock in the Ethylene Glycol Plant No. 2 and in two Glycol Ether Plants.</p> <p>Ethylene oxide is reacted with water to form ethylene glycol and other higher molecular weight glycol products. Residual water is removed and the glycol stream is refined into the glycol products. These products are sent to storage tanks before being loaded into railcars, truck and drums.</p> <p>This project is an in kind replacement for column 56D-513. There will not be any change in the amount, character, or control of emissions for the new column. This column is part of a group which emits from a common vent. This unit uses EPN 037VS1.</p> <p>This PBR is a replacement and the emissions are not being changed from what is already authorized. The current authorization for 037VS1 is 0.42 lbs/hr and 1.85 tons per year. Any MSS emissions will be covered under 106.263. NSPS will not be triggered for the replacement.</p>

TECHNICAL SUMMARY - DESCRIBE HOW THE PROJECT MEETS THE RULES
<p><b>Compliance with 106.264:</b></p> <ol style="list-style-type: none"> <li>The replacement facility functions in the same manner or in a similar manner as the facility to be replaced.</li> <li>There will not be any change in the amount, character, or control of emissions for the new column</li> <li>Emission rates for all pollutants are less than 25tpy each.</li> <li>The physical location of the replacement facility be the same.</li> <li>There be will not be an increase in capacity, production rate, or throughput as a result of the replacement</li> <li>Emissions from the replacement facility consist of ethylene glycol, diethylene glycol, triethylene glycol, tetraethylene and glycol heavies.</li> <li>Notification is provide to the agency using Form-PI7 CERT.</li> <li>There will be no visible emissions exceeding 5.0 % opacity in any six-minute period.</li> <li>TCEQ Form PI-7CERT has been submitted to register the project.</li> </ol>


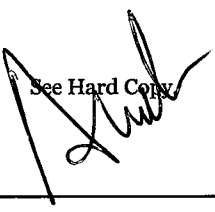
COMMUNICATION LOG			
Date	Time	Name/Company	Subject of Communication

# **TECHNICAL REVIEW: AIR PERMIT BY RULE**

<b>Permit No.:</b>	103834	<b>Company Name:</b>	Eastman Chemical Company	<b>APD Reviewer:</b>	Ms. Nancy Akintan
<b>Project No.:</b>	179328	<b>Unit Name:</b>	Replacement for column 56D-513 at EOG Plant 2	<b>PBR No(s).:</b>	106.264

ESTIMATED EMISSIONS															
EPN / Emission Source	Specific VOC or Other Pollutants	VOC		NOx		CO		PM <sub>10</sub>		PM <sub>2.5</sub>		SO <sub>2</sub>		Other	
		lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy
037VS1/Vent		0.42	1.85												
<b>TOTAL EMISSIONS (TPY):</b>			1.85												
<b>MAXIMUM OPERATING SCHEDULE:</b>		Hours/Day		Days/Week		Weeks/Year		Hours/Year		8760					

SITE REVIEW / DISTANCE LIMIT	Yes	No	Description/Outcome	Date	Reviewed by
Site Review Required?		X			
PBR Distance Limits Met?	X		>3000 feet from the nearest property line and >3000 feet to the nearest off-plant receptor	08/03/2012	As represented by the company

	TECHNICAL REVIEWER	PEER REVIEWER	FINAL REVIEWER
<b>SIGNATURE:</b>			
<b>PRINTED NAME:</b>	Ms. Nancy Akintan		
<b>DATE:</b>	August 3, 2012		

BASIS OF PROJECT POINTS	POINTS
Base Points:	1.5
Project Complexity Description and Points:	
Technical Reviewer Project Points Assessment:	1.5
Final Reviewer Project Points Confirmation:	

**08/03/2012 -----NSR IMS - PROJECT RECORD -----**

**PROJECT#:** 179328    **PERMIT#:** 103834    **STATUS:** PENDING  
**RECEIVED:** 06/22/2012    **PROJTYPE:** INITIAL    **AUTHTYPE:** PBR  
**RENEWAL:**  
**PROJECT ADMIN NAME:** REPLACEMENT IN KIND OF COLUMN 56D-513  
**PROJECT TECH NAME:** EOEG PLANT 2

**DISP CODE:** C  
**ISSUED DT:** 8/3/12

**Assigned Team:** RULE REG SECTION

**STAFF ASSIGNED TO PROJECT:**

OYLER, TONI

- REVIEW R1\_2 -

AP INITIAL REVIEW

TEAM LEADER, RR

- REVIEW ENG -

RULE REG SECTION

**CUSTOMER INFORMATION (OWNER/OPERATOR DATA)**

**ISSUED TO:** EASTMAN CHEMICAL COMPANY

**COMPANY NAME:** Eastman Chemical Company

**CUSTOMER REFERENCE NUMBER:** CN601214406

**REGULATED ENTITY/SITE INFORMATION**

**REGULATED ENTITY NUMBER:** RN100219815

**ACCOUNT:** HH0042M

**PERMIT NAME:** EASTMAN CHEMICAL COMPANY TEXAS OPERATIONS

**REGULATED ENTITY LOCATION:** 300 KODAK BLVD

**REGION 05 - TYLER**

**NEAR CITY:** LONGVIEW

**COUNTY:** HARRISON

**CONTACT DATA**

**CONTACT NAME:** MS STANCY A SIMPSON PE

**CONTACT ROLE:** RESPONSIBLE OFFICIAL

**JOB TITLE:** MANAGER ENVIRONMENTAL AFFAIRS

**ORGANIZATION:** EASTMAN CHEMICAL COMPANY

**MAILING ADDRESS:** PO BOX 7444 , LONGVIEW, TX, 75607-7444

**PHONE:** (903) 237-6057 Ext: 0

**FAX:** (903) 237-6318 Ext: 0

**EMAIL:** SSIMPSON@EASTMAN.COM

**CONTACT NAME:** MR JERRY THURMAN PE

**CONTACT ROLE:** TECHNICAL CONTACT

**JOB TITLE:** PRINCIPAL CHEMICAL ENGINEER

**ORGANIZATION:** EASTMAN CHEMICAL COMPANY

**MAILING ADDRESS:** PO BOX 7444 , LONGVIEW, TX, 75607-7444

**PHONE:** (903) 237-6710 Ext: 0

**FAX:** (903) 237-6318 Ext: 0

**EMAIL:** JTHURMAN@EASTMAN.COM

**FEE:**

Reference	Fee Receipt Number	Amount	Fee Receipt Date	Fee Payment Type
154464		450.00		ePAY

**TRACKING ELEMENTS:**

TE Name	Start Date	Complete Date
APIRT RECEIVED PROJECT (DATE)	06/22/2012	
APIRT TRANSFERRED PROJECT TO TECHNICAL STAFF (DATE)	06/25/2012	
CENTRAL REGISTRY UPDATED	06/25/2012	06/25/2012
DEFICIENCY CYCLE		
ENGINEER INITIAL REVIEW COMPLETED (DATE)		
PEER / MANAGER REVIEW PERIOD		
PROJECT RECEIVED BY ENGINEER (DATE)		

**PROJECT RULES:**

Unit Desc	Rule Desc	Request Type	On Application	Approve
REPLACEMENT OF FACILITIES	106.264 -	ADD	Y	APPROVE

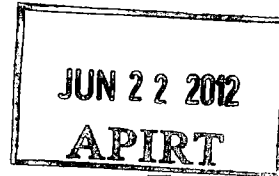
**PERMIT RULES:**

Unit Desc	Rule Desc	Start Date	End Date
-----------	-----------	------------	----------

**PROJECT ATTRIBUTES:**

Attributes	Value
PROJECT POINT	

**ExxonMobil Chemical Company**  
5000 Bayway Drive  
P.O. Box 4004  
Baytown, Texas 77522-4004



AIR PERMITS DIVISION

JUN 22 2012

RECEIVED

**ExxonMobil**  
Chemical

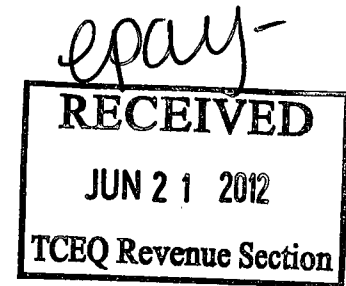
COPY

**CERTIFIED MAIL**

June 13, 2012

Air Permits Initial Review Team  
Texas Commission on Environmental Quality (TCEQ)  
P.O. Box 13087 MC-161  
Austin, Texas 78711-3087

Subject: Permit 51963  
Standard Permit Renewal  
Account No.: HG-0229-F  
RN102574803; CN600123939



Dear Sir or Madam:

Please find in Attachment 1 the calculation basis for emissions for our 2/16/12 submittal for renewal of Standard Permit 51963. This memo addresses a request from TCEQ for further information for our 2/16/12 submittal (copy of original submittal in Attachment 2).

If you have any questions regarding the information provided, please contact me at (281) 834-2515.

Sincerely,

Roger S. Day  
Environmental Field Advisor

Cc: TCEQ, Region 12  
Harris County Public Health and Environmental Services, Pollution Control Division  
TCEQ, Revenue Section

0147245

## **Attachment 1**

### **Standard Permit 51963 Renewal Emissions Basis Calculations**



## Standard Permit 51963

## Thermal Oxidizer F-202 Emissions Calculations Summary

Basis for Calculations:		Unit	
Maximum VOC gas flowrate from Bld-X pilot unit:	0.02	lb/hr	
Maximum VOC gas flowrate from NGE pilot unit:	187	lb/hr	
Maximum natural gas flowrate:	2.5	MBtu/hr	where M = million
Oxidizer flue gas (max):	8,077	scfm	
Annual operating schedule (max):	8760	hrs/yr	

Emission Data	Factor	Unit	Source
VOC Destruction Efficiency:	99.9	%	Vendor Data
NOx emissions:	12.4	PPMV	Vendor Data
CO emissions:	18	PPMV	Vendor Data
SO2 emissions:	0.6	lb/Mscf	AP-42, Section 1.4
Combustion PM emissions:	7.6	lb/Mscf	AP-42, Section 1.4

## VOC ThOx Emissions from Bld-X &amp; NGE pilot units

$$\text{VOC lb/hr} = (0.02 \text{ lb VOC/hr} + 187 \text{ lb VOC/hr}) \times (1 - 0.999) =$$

0.187 lb/hr

$$\text{VOC ton/yr} = 0.187 \times 8760 \text{ hrs/yr} \times 1 \text{ ton}/2000 \text{ lbs} =$$

0.819 ton/yr

## NOx Emissions from Natural Gas Combustion (maximum)

$$\text{NOx lb/hr} = \frac{12.4 \text{ scf NOx}}{1,000,000 \text{ scf flue gas}} \times \frac{1 \text{ lb-mol}}{385 \text{ scf NOx}} \times \frac{46 \text{ lb NOx}}{1 \text{ lb-mole}} \times \frac{8,077 \text{ scf}}{\text{min}} \times \frac{60 \text{ min}}{\text{hr}} =$$

0.718 lb/hr

$$\text{NOx annual} =$$

3.145 ton/yr

## CO Emissions from Natural Gas Combustion

$$\text{CO lb/hr} = \frac{18 \text{ scf CO}}{1,000,000 \text{ scf flue gas}} \times \frac{1 \text{ lb-mol}}{385 \text{ scf CO}} \times \frac{28 \text{ lb CO}}{1 \text{ lb-mole}} \times \frac{8,077 \text{ scf}}{\text{min}} \times \frac{60 \text{ min}}{\text{hr}} =$$

0.634 lb/hr

$$\text{CO tons/yr} =$$

2.78 ton/yr

## SO2 Emissions from Natural Gas Combustion

$$\text{SO2 lb/hr} = 2.5 \text{ MBtu/hr} \times 0.6 \text{ lb/Mscf} \times 1 \text{ scf}/1000 \text{ Btu} =$$

0.002 lb/hr

$$\text{SO2 tons/yr} = 2.5 \text{ MBtu/hr} \times 0.6 \text{ lb/Mscf} \times 1 \text{ scf}/1000 \text{ Btu} \times 8760 \text{ hrs/yr} \times 1 \text{ ton}/2000 \text{ lb} =$$

0.007 ton/yr

## PM Emissions from Natural Gas Combustion

$$\text{PM lb/hr} = 2.5 \text{ MBtu/hr} \times 7.6 \text{ lb/Mscf} \times 1 \text{ scf}/1000 \text{ Btu} =$$

0.0190 lb/hr

$$\text{PM tons/yr} = 2.5 \text{ MBtu/hr} \times 7.6 \text{ lb/Mscf} \times 1 \text{ scf}/1000 \text{ Btu} \times 8147 \text{ hrs/yr} \times 1 \text{ ton}/2000 \text{ lb} =$$

0.077 ton/yr

## **Attachment 2**

**February 16, 2012 Renewal Submittal  
Permit 51963**

**ExxonMobil Chemical Company**

5000 Bayway Drive  
P.O. Box 4004  
Baytown, Texas 77522-4004

**ExxonMobil**  
*Chemical*

**CERTIFIED MAIL**

February 16, 2012

Air Permits Initial Review Team  
Texas Commission on Environmental Quality (TCEQ)  
P.O. Box 13087 MC-161  
Austin, Texas 78711-3087

Subject: Permit 51963  
Standard Permit Renewal  
Account No.: HG-0229-F  
RN102574803; CN600123939

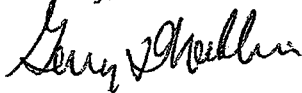
Dear Sir or Madam:

Please find attached a Form PI-1S for renewal of Permit 51963. No changes to the authorization are requested.

The required fee has been paid to the Revenue Section using the on-line TCEQ E-Pay Tool.

If you have any questions regarding the information provided, please contact me at (281) 834-5859.

Sincerely,



Gary D. Robbins  
Environmental Specialist

Cc: TCEQ, Region 12  
Harris County Public Health and Environmental Services, Pollution Control Division  
TCEQ, Revenue Section

**Attachment 1**  
**Form PI-1S**  
**Permit 51963**

**Attachment 2**  
**Standard Permit Registration Renewal Notification**

Bryan W. Shaw, Ph.D., *Chairman*  
Buddy Garcia, *Commissioner*  
Carlos Rubinstein, *Commissioner*  
Mark R. Vickery, P.G., *Executive Director*



**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY**  
*Protecting Texas by Reducing and Preventing Pollution*

August 3, 2011

MR GARY ROBBINS  
AIR PERMITTING ADVISOR  
EXXON MOBIL CORPORATION  
PO BOX 4004  
BAYTOWN TX 77522-4004

*Rec'd 8/10/11*

Re: Standard Permit Registration Renewal Notification

Dear Mr. Robbins:

Section 382.055 of the Texas Clean Air Act, Texas Health and Safety Code, Chapter 382, and Title 30 Texas Administrative Code (30 TAC) § 116.604, require all standard permit registrations issued by the Texas Commission on Environmental Quality to be reviewed for renewal every 10 years. This letter is to notify you that the referenced registration is scheduled for review. Please apply for review of your registration renewal no later than February 17, 2012 using the application form available on the Web address below. Failure to submit your application by this date will result in automatic expiration of this permit.

**Company Name** - Exxon Mobil Corporation  
**Customer Reference No.** - CN600123939  
**Regulated Entity No.** - RN102574803  
**Permit No.** - 51963  
**Permit Expiration Date** - August 15, 2012  
**Account Number(s)** - HG0229F

If Standard Permit Registration Number 51963 has been consolidated into another New Source Review Permit, please send a letter to the TCEQ identifying that permit number and when the consolidation occurred. This information can be faxed to the Air Permits Initial Review Team at 512-239-4500.

Please furnish all information as indicated in the forms and instructions. You may download copies of the required forms referenced below at

[www.tceq.texas.gov/comm\\_exec/forms\\_pubs/search\\_forms.html](http://www.tceq.texas.gov/comm_exec/forms_pubs/search_forms.html)

Registration for Air Standard Permit Form PI-1S (Form No. 10370)  
TCEQ Core Data (Form No. 10400)

Mr. Gary Robbins

Page 2

August 3, 2011

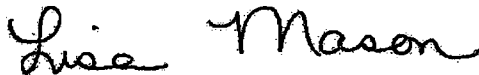
Re: Standard Permit Registration Renewal Notification

A fee based on the schedule indicated in 30 TAC § 116.614 must be submitted with this application. Upon receipt of your application, a determination will be made based on the number and type of emission points, emission rate and type of air contaminant, as to the need for you to furnish atmospheric dispersion modeling to determine the impact of emissions on the surrounding area.

Any application submitted by a person/entity who is delinquent on a fee and/or penalty will not be declared administratively complete until the fees/penalties are paid and/or current. Similarly, final action will be withheld by the agency on an application if it is discovered after the application is considered administratively complete that the owner/entity who submitted the application is delinquent on fees and/or penalties until such time as the fees/penalties are paid and/or current. You may visit the agency Web site for additional information at [www.tceq.texas.gov/agency/delin/index.html](http://www.tceq.texas.gov/agency/delin/index.html).

If we may be of any assistance to you in this matter, you may contact the staff of the Air Permits Initial Review Team or you may contact me at (512) 239-1250.

Sincerely,

A handwritten signature in cursive script that reads "Lisa Mason".

Lisa Mason, Team Leader  
Air Permits Initial Review Team  
Air Permits Division

LM/ct

cc: TCEQ Regional Air Quality Manager, Region 12  
TCEQ Air Permits Initial Review Team (MC-161)  
TCEQ File Room (MC-198)

Bryan W. Shaw, Ph.D., *Chairman*  
Buddy Garcia, *Commissioner*  
Carlos Rubinstein, *Commissioner*  
Mark R. Vickery, P.G., *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY  
*Protecting Texas by Reducing and Preventing Pollution*

March 23, 2012

MR GARY D ROBBINS  
ENVIRONMENTAL SPECIALIST  
EXXON MOBIL CORPORATION  
5000 BAYWAY DR  
BAYTOWN TX 77520-2123

*Received 3-30-12  
GDR*

Re: Standard Permit Registration Deficiency  
Standard Permit Registration Number: 51963  
ExxonMobil Chemical Baytown Chemical Plant  
Baytown, Harris County  
Regulated Entity Number: RN102574803  
Customer Reference Number: CN600123939  
Account Number: HG-0229-F

Dear Mr. Robbins:

This is in response to your request to renew the Pollution Control Standard Permit Number 51963 at the ExxonMobil Chemical Baytown Chemical Plant in Baytown, Harris County.

After evaluation of the information submitted in support of your claim, we are unable to verify that all conditions of the standard permit have been met. Therefore, we cannot confirm your claim at this time. Your renewal application did not include updated emissions.

An applicant applying for a permit renewal is required to submit information in support of the application which demonstrates that the requirements of Title 30 Texas Administrative Code § 116.604 are met. In addition, the application must include information demonstrating that the facility is or has been in compliance with the provisions of the Texas Clean Air Act (TCAA) Chapter 382, as codified in the Texas Health and Safety Code, and with the terms of the existing permit.

If the TCEQ determines that an applicant has not demonstrated that all requirements for renewal have been met, additional actions by the TCEQ are required and will be forthcoming. First, the TCEQ will provide you notice that the facility does not meet the requirements for renewal; second, the TCEQ will send out a report on the basis for our determination; and third, the TCEQ will establish a schedule for you to follow in meeting the renewal requirements.

In the event that a company does not satisfy the requirements specified in the report by the deadline set out in the schedule, the company will be required to show cause in a contested case hearing why the permit should not expire immediately. Such a "show cause" hearing is required



Page 2

March 23, 2012

Re: Standard Permit Registration Number 51963

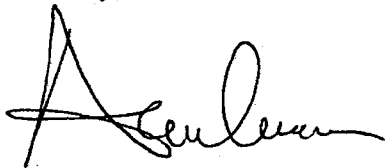
by 30 TAC § 116.314(c) and TCAA § 382.055(g). Failure of a company to show cause will result in the immediate expiration of the existing permit. If the Company fails, **within 90 days** of the date of this notification, to submit the requested information demonstrating compliance with the requirements of 30 TAC § 116.311, we will take the additional actions discussed above which may lead to a "show cause" hearing.

After receipt of the additional information, we will continue the review of your application. If the information furnished in response to this notice substantially complies with the request, but results in the need for further clarification or additional information, we will communicate that need as soon as possible. To expedite the process, any re-submittal should be sent directly to Ms. Nancy Akintan, MC 163, Texas Commission on Environmental Quality, P.O. Box 13087, Austin, Texas 78711-3087.

Your cooperation in this matter is appreciated. If you have any questions, please contact Ms. Nancy Akintan at (713) 767-3773 or write to the Texas Commission on Environmental Quality, Office of Air, Air Permits Division, MC-163, P.O. Box 13087, Austin, Texas 78711-3087.

This action is taken under authority delegated by the Executive Director of the Texas Commission on Environmental Quality.

Sincerely,

A handwritten signature in black ink, appearing to read "Anne M. Inman", with a stylized, cursive script.

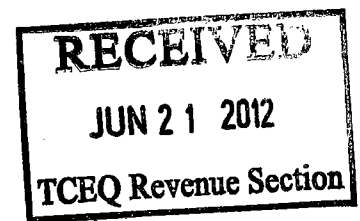
Anne M. Inman, P.E., Manager  
Rule Registrations Section  
Air Permits Division  
Texas Commission on Environmental Quality

AI/naa

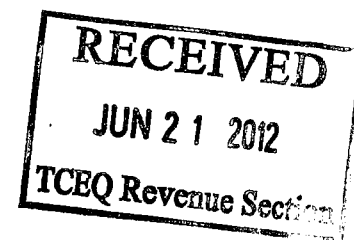
cc: Director, Environmental Public Health Division, Harris County Public Health and  
Environmental Services, Pasadena  
Air Section Manager, Region 12 - Houston

Project Number: 174679

**Attachment 3**  
**TCEQ E-Pay**



BTCP\SED\Envrnmntl\Air\NSR Permitting\BCIT PBRs\MTO Methanol to Olefins aka  
Duke\2012\2012-02-16 Permit 51963 MTO TO Renewal.doc





**Texas Commission on Environmental Quality**  
**Form PI-1S**  
**Registrations for Air Standard Permit**  
**(Page 1)**

<b>I. Registrant Information</b>			
A. Is a TCEQ Core Data Form (TCEQ Form No. 10400) attached? Core Data Form required for Standard Permits 6004, 6006, 6007, 6008, and 6013.			<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
Customer Reference Number (CN): CN600123939			
Regulated Entity Number (RN): RN102574803			
B. Company or Other Legal Customer Name (must be same as Core Data "Customer"): Exxon Mobil Corporation			
Company Official Contact Name: Gary D Robbins			
Title: Environmental Specialist			
Mailing Address: 5000 Bayway Dr			
City: Baytown		State: TX	ZIP Code: 77520
Phone No.: 281.834.5859		Fax No.: 281.834.5788	E-mail Address: gary.d.robins@exxonmobil.com
C. Technical Contact Name: Gary D Robbins			
Title: Environmental Specialist			
Mailing Address: 5000 Bayway Dr			
City: Baytown		State: TX	ZIP Code: 77520
Phone No.: 281.834.5859		Fax No.: 281.834.5788	E-mail Address: gary.d.robins@exxonmobil.com
D. Facility Location Information (Street Address): 5000 Bayway Dr			
If no street address, provide clear driving directions to the site in writing:			
City: Baytown		County: TX	ZIP Code: 77520
Latitude (nearest second):		Longitude (nearest second):	
<b>II. Facility and Site Information</b>			
A. Name and Type of Facility: Baytown Technology and Engineering Center			<input checked="" type="checkbox"/> Permanent <input type="checkbox"/> Portable
B. Type of Action:		<input type="checkbox"/> Initial Application <input checked="" type="checkbox"/> Renewal <input type="checkbox"/> Change to Registration	
Registration No.: 51963		<input type="checkbox"/> Expiration Date: August 15, 2012	
C. List the Standard Permit Claimed: 6001			
Description: Pollution Control Project			
D. Concrete Batch Plant Standard Permit: (Check one)			
<input type="checkbox"/> Central Mix <input type="checkbox"/> Ready Mix <input type="checkbox"/> Specialty Mix <input type="checkbox"/> Enhanced Controls for Concrete Batch Plants			



**Texas Commission on Environmental Quality**  
**Registrations for Air Standard Permit**  
**PI-1S**  
**(Page 2)**

<b>II. Facility and Site Information (continued)</b>		
<b>E. Proposed Start of Construction:</b>	<b>Length of Time at the Site:</b>	
<b>F. Is there a previous Standard Exemption or Permit by Rule for the facilities in this registration? (Attach details regarding changes)</b>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
If "YES," list Permit No.:		
<b>G. Are there any other facilities at this site which are authorized by an air Standard Permit?</b>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
If "YES," list Permit No.: Available on request		
<b>H. Are there any other air preconstruction permits at this site?</b>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
If "YES," list Permit No.: Available on request		
<b>Are there any other air preconstruction permits at this site that would be directly associated with this project?</b>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
If "YES," list Permit No.:		
<b>I. TCEQ Account Identification Number (if known):</b> HG0229F		
<b>J. Is this facility located at a site which is required to obtain a federal operating permit pursuant to 30 TAC Chapter 122?</b>	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> To Be Determined	
<b>K. Identify the requirements of 30 TAC Chapter 122 that will be triggered if this Form PI-1S application is approved.</b>		
<input type="checkbox"/> Application for an FOP	<input type="checkbox"/> FOP Significant Revision	<input type="checkbox"/> FOP Minor
<input type="checkbox"/> Operational Flexibility/Off-Permit Notification	<input type="checkbox"/> Streamlined Revision for GOP	
<input type="checkbox"/> To Be Determined	<input checked="" type="checkbox"/> None	
<b>L. Identify the type(s) issued and/or FOP application(s) submitted/pending for the site. (check all that apply)</b>		
<input type="checkbox"/> SOP	<input type="checkbox"/> GOP	<input type="checkbox"/> GOP Application/Revision Application: Submitted or Under APD Review
<input type="checkbox"/> SOP Application Review Application: Submitted or Under APD Review		<input checked="" type="checkbox"/> N/A
<b>III. Fee Information</b>		
<b>A. Is a copy of the check or money order attached?</b>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
<b>Check/Money Order/Transaction Number</b> 582EA000117024		
<b>Company name on Check:</b> TCEQ E-Pay		
<b>Fee Amount:</b> \$900		



Texas Commission on Environmental Quality  
Registrations for Air Standard Permit

PI-1S  
(Page 3)

<b>IV. Public Notice (If Applicable)</b>			
A. Is the plant located at a site contiguous or adjacent to the public works project?			<input type="checkbox"/> YES <input type="checkbox"/> NO
B. Name of Public Place:			
Physical Address:			
City:		County:	
C. Small Business Classification:			<input type="checkbox"/> YES <input type="checkbox"/> NO
D. Concrete batch plants with enhanced controls, permanent rock crushers, and animal carcass incinerators shall place a copy of the technically complete application at the appropriate TCEQ regional office only.			
E. Please furnish the names of the state legislators who represent the area where the facility site is located:			
State Senator: John Whitmire, District 15			
State Representative: Wayne Smith, District 128			
F. For Concrete Batch Plants, name of the County Judge for this facility site:			
County Judge:			
Mailing Address:			
City:		State:	ZIP Code:
G. For Concrete Batch Plants, is the facility located in a municipality and/or extraterritorial jurisdiction of a municipality?			<input type="checkbox"/> YES <input type="checkbox"/> NO
If "YES," list the name(s) of the Presiding Officer(s) for the municipality and/or extraterritorial jurisdiction:			
Title:			
Mailing Address:			
City:		State:	ZIP Code:
<b>V. Technical Information Including State and Federal Regulatory Requirements</b> <i>Registrants must be in compliance with all applicable state and federal regulations and standards to claim a Standard Permit.</i>			
A. Is confidential information submitted and properly marked with this registration?			<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
B. Is a process flow diagram and a process description attached?			<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
C. Is a plot plan attached?			<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
D. Are emissions data and calculations for this claim attached?			<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
E. Is information attached showing how the general requirements and applicability (30 TAC § 116.610 and 116.615) are met?			<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
F. Is information attached showing how the specific requirements are met?			<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO



Texas Commission on Environmental Quality  
Form PI-1S  
General Application for Air Permit Renewals  
(Page 4)

**VI. Signature Requirements**

The signature below indicates that I have knowledge of the facts herein set forth and that the same are true and correct to the best of my knowledge and belief. I further state that to the best of my knowledge and belief, the project for which application is made will not in any way violate any provision of the Texas Water Code (TWC), Chapter 7, Texas Clean Air Act (TCAA), as amended, or any of the air quality rules and regulations of the Texas Commission on Environmental Quality or any local governmental ordinance or resolution enacted pursuant to the TCAA. I further state that I have read and understand TWC §§ 7.177 7.183, which defines *Criminal Offenses* for certain violations, including intentionally or knowingly making or causing to be made false material statements or representations in this application, and TWC §§ 7.187, pertaining to *Criminal Penalties*.

Name: Gary Don Robbins

*Print Full Name*

Signature:

*Original Signature Required*

Date: 02/16/2012



**Texas Commission on Environmental Quality**  
**Form PI-1S**  
**General Application for Air Permit Renewals**  
**(Page 5)**

<b>VII. Copies of the Registration</b>		
Copies must be sent as listed below. Processing delays will occur if copies are not sent as noted.		
Air Permits Initial Review Team (APIRT)	Regular, Certified, Priority Mail Mail Code 161, P.O. Box 13087, Austin, Texas 78711-3087 OR Hand Delivery, Overnight Mail Mail Code 161, 12100 Park 35 Circle, Building C, Third Floor, Room 300 W, Austin, Texas 78753 Note: The official application cannot be faxed to the TCEQ	Original Money Order or Check, a Copy of Form PI-1S and Core Data Form; all attachments
Revenue Section TCEQ	Regular, Certified, Priority Mail Mail Code 214, P.O. Box 13088, Austin, Texas 78711-3088 OR Hand Delivery, Overnight Mail Mail Code 214, 12100 Park 35 Circle, Building A, Third Floor, Austin, Texas 78753	Original Money Order or Check, a Copy of Form PI-1S, Core Data Form
Appropriate TCEQ Regional Office	To find your regional office address go to <a href="http://www.tceq.texas.gov.us/">www.tceq.texas.gov.us/</a> or call (512) 239-1250	Copy of Form PI-1S, Core Data Form, and all attachments
Appropriate Local Air Pollution Control Program(s)	To find your local air pollution control programs go to <a href="http://www.tceq.texas.gov/nav/permits/air_permits.html">www.tceq.texas.gov/nav/permits/air_permits.html</a> or call (512) 239-1250	Copy of Form PI-1S, Core Data Form, and all attachments



**TCEQ ePay Voucher Receipt****Transaction Information**

**Voucher Number:** 150187  
**Trace Number:** 582EA000117024  
**Date:** 02/15/2012 04:19 PM  
**Payment Method:** CC - Authorization 0000081892  
**Amount:** \$900.00  
**Fee Type:** AIR PERMIT - RENEWAL  
**ePay Actor:** Mary A Larsen

**Payment Contact Information**

**Name:** Gary D Robbins  
**Company:** Exxonmobil Chemical Company  
**Address:** 5000 Bayway Drive Cab W-117, Baytown, TX 77520  
**Phone:** 281-834-5859

**Site Information**

**Site Name:** EXXONMOBIL CHEMICAL COMPANY  
**Site Address:** 5000 BAYWAY DRIVE, BAYTOWN, TX 77522 4004  
**Site Location:** BAYTOWN TECHNOLOGY AND ENGINEERING CENTER  
5000 BAYWAY DRIVE BAYTOWN TEXAS

**Customer Information**

**Customer Name:** EXXON MOBIL CORPORATION  
**Customer Address:** P O BOX 4004, BAYTOWN, TX 77522 4004

**Other Information**

**Program Area ID:** 6001  
**Comments:** Pollution Control Project Permit 51963.

## 06/25/2012 -----NSR IMS - PROJECT RECORD -----

PROJECT#: 179328 PERMIT#: 103834 STATUS: PENDING DISP CODE: \_\_\_\_\_  
RECEIVED: 06/22/2012 PROJTYPE: INITIAL AUTHTYPE: PBR ISSUED DT: \_\_\_\_\_  
RENEWAL: \_\_\_\_\_  
PROJECT ADMIN NAME: REPLACEMENT IN KIND OF COLUMN 56D-513  
PROJECT TECH NAME: EOEG PLANT 2

## Assigned Team: RULE REG SECTION

## STAFF ASSIGNED TO PROJECT:

OYLER, TONI - REVIEWR1\_2 - AP INITIAL REVIEW  
TEAM LEADER, RR - REVIEW ENG - RULE REG SECTION

## CUSTOMER INFORMATION (OWNER/OPERATOR DATA)

ISSUED TO: EASTMAN CHEMICAL COMPANY

COMPANY NAME: Eastman Chemical Company

CUSTOMER REFERENCE NUMBER: CN601214406

## REGULATED ENTITY/SITE INFORMATION

REGULATED ENTITY NUMBER: RN100219815

ACCOUNT: HH0042M

PERMIT NAME: EASTMAN CHEMICAL COMPANY TEXAS OPERATIONS

REGULATED ENTITY LOCATION: 300 KODAK BLVD

REGION 05 - TYLER

NEAR CITY: LONGVIEW

COUNTY: HARRISON

## CONTACT DATA

CONTACT NAME: MS STANCY A SIMPSON PE CONTACT ROLE: RESPONSIBLE OFFICIAL  
JOB TITLE: MANAGER ENVIRONMENTAL AFFAIRS ORGANIZATION: EASTMAN CHEMICAL COMPANY  
MAILING ADDRESS: PO BOX 7444, LONGVIEW, TX, 75607-7444  
PHONE: (903) 237-6057 Ext: 0  
FAX: (903) 237-6318 Ext: 0  
EMAIL: SSIMPSON@EASTMAN.COM

CONTACT NAME: MR JERRY THURMAN PE CONTACT ROLE: TECHNICAL CONTACT  
JOB TITLE: PRINCIPAL CHEMICAL ENGINEER ORGANIZATION: EASTMAN CHEMICAL COMPANY  
MAILING ADDRESS: PO BOX 7444, LONGVIEW, TX, 75607-7444  
PHONE: (903) 237-6710 Ext: 0  
FAX: (903) 237-6318 Ext: 0  
EMAIL: JTHURMAN@EASTMAN.COM

## FEE:

Reference	Fee Receipt Number	Amount	Fee Receipt Date	Fee Payment Type
154464		450.00		ePAY

## TRACKING ELEMENTS:

TE Name	Start Date	Complete Date
APIRT RECEIVED PROJECT (DATE)	06/22/2012	
APIRT TRANSFERRED PROJECT TO TECHNICAL STAFF (DATE)	06/25/2012	
CENTRAL REGISTRY UPDATED	06/25/2012	06/25/2012
DEFICIENCY CYCLE		
ENGINEER INITIAL REVIEW COMPLETED (DATE)		
PEER / MANAGER REVIEW PERIOD		
PROJECT RECEIVED BY ENGINEER (DATE)		

---

**PROJECT RULES:**

Unit Desc	Rule Desc	Request Type	On Application	Approve
REPLACEMENT OF FACILITIES	106.264 -	ADD	Y	APPROVE

**PERMIT RULES:**

Unit Desc	Rule Desc	Start Date	End Date
-----------	-----------	------------	----------

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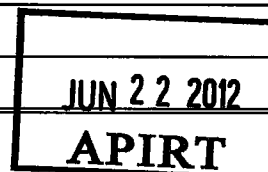
**PROJECT ATTRIBUTES:**

Attributes	Value
PROJECT POINT	



**Texas Commission on Environmental Quality**  
**Form PI-7-CERT**  
**Certification and Registration for Permits by Rule**

<b>I. REGISTRANT INFORMATION</b>		
A. Company or Other Legal Customer Name: <b>Eastman Chemical Company</b>		
Company Official Contact Name: <b>Stancy A. Simpson, P.E.</b>		
Title: <b>Manager, Environmental Affairs</b>		
Mailing Address: <b>P.O. Box 7444</b>		
City: <b>Longview</b>	State: <b>Texas</b>	ZIP Code: <b>75607-7444</b>
Phone: <b>903-237-6057</b>	Fax: <b>903-237-6318</b>	E-mail: <b>SSimpson@Eastman.com</b>
B. Technical Contact Name: <b>Jerry Thurman, P.E.</b>		
Title: <b>Principal Chemical Engineer</b>		
Company: <b>Eastman Chemical Company</b>		
Mailing Address: <b>P.O. Box 7444</b>		
City: <b>Longview</b>	State: <b>Texas</b>	ZIP Code: <b>75607-7444</b>
Phone: <b>903-237-6710</b>	Fax: <b>903-237-6318</b>	E-mail: <b>JThurman@Eastman.com</b>
C. Facility Location Information - Street Address: <b>300 Kodak Blvd.</b>		
<i>If "NO," street address, provide written driving directions to the site: (attach description if additional space is needed)</i>		
I-20 to Eastman Road exit, turn south on Hwy 149, turn left on Garland Road, and Left on Estes Blvd to Eastman Plant entrance		
City: <b>Longview</b>	County: <b>Harrison</b>	ZIP Code: <b>75602-7444</b>
D. Is the Core Data Form (TCEQ Form 10400) attached?		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
If "No," provide customer reference number and regulated entity number below:		
Customer Reference Number (CN): <b>CN-60124406</b>		
Regulated Entity Number (RN): <b>RN-100219815</b>		
<b>II. FACILITY AND SITE INFORMATION</b>		
A. Name and Type of Facility: <b>EOEG Plant 2 (Permit #1329)</b>		<input checked="" type="checkbox"/> Permanent <input type="checkbox"/> Portable
B. PBR claimed under 30 TAC 106 (List all):		
106.264	106.	
106.	106.	
106.	106.	
Are you claiming a historical standard exemption or PBR?		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<i>If "YES," enter effective date(s) and rule number(s) in the spaces provided below.</i>		





**Texas Commission on Environmental Quality**  
**Form PI-7-CERT**  
**Certification and Registration for Permits by Rule**

<b>II. FACILITY AND SITE INFORMATION (continued)</b>			
C. Is there a previous Standard Exemption or PBR for the facility in this registration?			<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
<i>If "YES," enter registration number(s), rule number(s) and effective dates in the spaces provided below.</i>			
D. Are there any other facilities at this site which are authorized by an Air Standard Exemption or PBR?			<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
<i>If "YES," enter registration number(s), rule number(s) and effective dates in the spaces provided below.</i>			
<b>Multiple</b>			
E. Are there any other air preconstruction permits at this site?			<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
<i>If "YES," enter permit number(s) in the spaces provided below.</i>			
<b>Multiple</b>			
Are there any other air preconstruction permits at this site that would be directly associated with this project?			<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
<i>If "YES," enter permit number(s) in the spaces provided below.</i>			
1329			
F. Is this facility located at a site which is required to obtain a Federal Operating Permit (FOP) pursuant to 30 TAC Chapter 122?			<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> To be determined
If the site currently has an existing federal operating permit, enter the permit number.			<b>01974</b>
Check the requirements of 30 TAC Chapter 122 that will be triggered if this certification is accepted.			
<input type="checkbox"/> Initial Application for an FOP <input type="checkbox"/> Significant Revision for an SOP <input type="checkbox"/> Minor Revision for an SOP			
<input type="checkbox"/> Operational Flexibility/off Permit Notification for an SOP <input type="checkbox"/> Revision for GOP			
<input checked="" type="checkbox"/> To be Determined <input type="checkbox"/> None			
Identify the type(s) issued and/or FOP application(s) submitted/pending for the site. <i>(Check all that apply)</i>			
<input type="checkbox"/> SOP	<input type="checkbox"/> GOP	<input type="checkbox"/> GOP application/revision application: Submitted or under APD review.	
<input checked="" type="checkbox"/> N/A	<input type="checkbox"/> SOP application/revision application: submitted or under APD review.		
G. TCEQ Account Identification Number (if known):			HH-0042-M

**JUN 22 2012**  
**APIRT**



**Texas Commission on Environmental Quality**  
**Form PI-7-CERT**  
**Certification and Registration for Permits by Rule**

**III. FEE INFORMATION**

See Section VI. for address to send fee or go to [www6.tceq.texas.gov/epayto](http://www6.tceq.texas.gov/epayto) pay online.

A. Is this certification to solely establish a federally enforceable emission limit and not authorize any new facilities? ☐ YES ☒ NO

If "YES," then no fee is required.

If "NO," then go to Section III.B.

B. If "YES," to any of the following three questions, a \$100 fee is required. Otherwise, a \$450 fee is required.

Does this business have less than 100 employees? ☐ YES ☒ NO

Does this business have less than 6 million dollars in annual gross receipts? ☐ YES ☒ NO

Is this registration submitted by a governmental entity with a population of less than 10,000? ☐ YES ☒ NO

C. Enter the check, money order, or transaction number. 58EA000120975

Enter the individual or company name printed on the check.

Fee amount (*spell out*): Voucher #0154464 \$ 450

Was fee **Paid** online? ☒ YES ☐ NO

**IV. SELECTED FACILITY REVIEWS ONLY—TECHNICAL INFORMATION**

*Note: If claiming one of the following PBRs, complete this section, then skip to Section VI., "Submitting your registration" below:*

*Animal Feeding Operations 30 TAC 106.161, Livestock Auction Facilities 30 TAC 106.162, Saw Mills 30 TAC 106.223, Grain Handling, Storage and Drying 30 TAC 106.283, Auto Body Refinishing Facilities 30 TAC 106.436, and Air Curtain Incinerator 30 TAC 106.496*

A. Is the applicable PBR checklist attached which shows the facility meets all general and specific requirements of the PBR(s) being claimed? ☐ YES ☐ NO

B. Distance from this facility's emission release point to the nearest property line: feet

Distance from this facility's emission release point to the nearest off-property structure: feet

**V. TECHNICAL INFORMATION - The following information must be submitted with this Form PI-7CERT. Place a check next to the appropriate box to verify you have included it in the submittal.**

☒ Process Flow Diagram

☒ Site Process and Project description

☒ Emissions data and calculations

☒ Table 1(a) (Form 10153) Emission Point Summary

**JUN 22 2012**  
**APIRT**



**Texas Commission on Environmental Quality**  
**Form PI-7-CERT**  
**Certification and Registration for Permits by Rule**

**V. TECHNICAL INFORMATION - The following information must be submitted with this Form PI-7CERT. Place a check next to the appropriate box to verify you have included it in the submittal. (continued)**

<input checked="" type="checkbox"/> Information on meeting the specific PBR requirements (PBR checklists maybe used and are optional.)	<input checked="" type="checkbox"/> Information on meeting the general PBR requirements 30 TAC 106.4. (PBR checklists maybe used and are optional.)
---	--

*Note: Please be reminded that if the facilities listed in this registration are subject to the Mass Emissions Cap & Trade program under 30 TAC Chapter 101, Subchapter H, Division 3, the owner/operator of these facilities must possess NO<sub>x</sub> allowances equivalent to the actual NO<sub>x</sub> emissions from these facilities.*

Distance from this facility's emission release point to the nearest property line:	3000	feet
--	------	------

Distance from this facility's emission release point to the nearest off-property structure:	3000	feet
---	------	------

*Note: In limited cases, a map or drawing of the site and surrounding land use may be requested during the technical review or at the request of the TCEQ Regional Office or local air pollution control program during an investigation.*

**VI. SIGNATURE FOR CERTIFICATION AND REGISTRATION**

The signature below indicates that the Responsible Official has knowledge of the facts herein set forth and that the same are true, accurate, and complete to the best of my knowledge and belief. By this signature, the maximum emission rates listed on this certification reflect the maximum anticipated emissions due to the operation of this facility and all representations in this certification of emissions are conditions upon which the facilities and sources will operate. It is understood that it is unlawful to vary from these representations unless the certification is first revised. The signature certifies that to the best of the Responsible Official's knowledge and belief, the project will satisfy the conditions and limitations of the indicated exemption or permit by rule and the facility will operated in compliance with all regulations of the Texas Commission on Environmental Quality and with Federal U.S. Environmental Protection Agency regulations governing air pollution. The signature below certifies that, based on information and belief formed after reasonable inquiry, the statements and information above and contained in the attached document(s) are true, accurate, and complete.

**If you questions on how to fill out this form or about air quality permits. Please call (512) 239-1250. Individuals are entitled to request and review their personal information that the agency gathers on its forms. They may also have any errors in their information corrected. To review such information, call (512) 239-3282.**

SIGNATURE: \_\_\_\_\_

(ORIGINAL SIGNATURE REQUIRED)

6/20/12  
DATE

**JUN 22 2012**  
**APIRT**

## **ATTACHMENT 2**

### **Documentation of Electronic FEE Payment**



## Wayne, Regina C

---

**From:** steers@tceq.texas.gov  
**Sent:** Thursday, May 03, 2012 2:10 PM  
**To:** Wayne, Regina C  
**Subject:** [I] TCEQ ePay Receipt for 582EA000120975

This is an automated message from the TCEQ ePay system. Please do not reply.

Trace Number: 582EA000120975  
Date: 05/03/2012 02:09 PM  
Payment Method: CC - Authorization 0000081355  
Amount Paid: \$450.00

Actor: Regina C Wayne  
Email: [rcwayne@eastman.com](mailto:rcwayne@eastman.com)

Payment Contact: Regina Wayne  
Phone: 903-237-5867  
Company: Eastman Chemical Company  
Address: 2290 Callahan Road, Longview, TX 75602

**Fees Paid:**

Fee Description	AR Number	Amount
PERMIT BY RULE - NOT SMALL BUSINESS, CITY OR ISD		\$450.00

-----  
Total Fees For Transaction: \$450.00

=====

Voucher: 154464

Trace Number: 582EA000120975

Date: 05/03/2012 02:09 PM

Payment Method: CC - Authorization 0000081355

Amount Paid: \$450.00

Fee Paid: PERMIT BY RULE - NOT SMALL BUSINESS, CITY OR ISD

RN Number: RN100219815

Site Name: EASTMAN CHEMICAL COMPANY

Site Address: 300 KODAK BLVD, LONGVIEW, TX 75602

Site Location: I-20 EASTMAN ROAD EXIT SOUTH HWY 149 LEFT ON GARLAND ROAD LEFT ON ESTES PKWY

CN Number: CN601214406

Customer Name: EASTMAN CHEMICAL COMPANY

State Franchise Tax ID: 16215393592

Customer Address: P O BOX 7444, LONGVIEW, TX 75607

Comments: Permit by Rule to Authorize the Replacement in Kind for Column 56D-513 in the EOEG Plant 2 (Permit 1329)

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=====

To print out a copy of the receipt and vouchers for this transaction  
either click on or copy and paste the following url into your browser:

<https://www6.tceq.texas.gov/epay/index.cfm?fuseaction=cor.search&trace num txt=582EA000120975>

.

JUN 22 2012  
APIRT

# EASTMAN

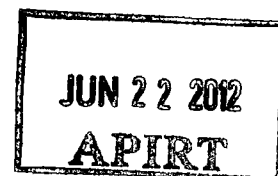
Eastman Chemical Company  
Texas Operations  
P.O. Box 7444  
Longview, Texas 75607-7444  
Phone (903) 237-5000

June 20, 2012

AIR PERMITS DIVISION

JUN 22 2012

RECEIVED



**Certified Mail Return Receipt Number 7010 3090 0002 4285 7295**

Air Permits Division (MC-161)  
Texas Commission on Environmental Quality  
P.O. Box 13087  
Austin, Texas 78711-3087

**Re: Application of Permits by Rule No. 106.264 for EOEG Plant 2 (Permit #1329) for Replacement in Kind of Column 56D-513  
Eastman Chemical Company  
Longview, Harrison County  
Regulated Entity Number: RN100219815  
Customer Reference Number: CN601214406**

This letters provides data and information regarding the above referenced Permits by Rule, and serves as required notification that Eastman Chemical Company, Texas Operations (Eastman), is using TCEQ Permits by Rule 106.264 to authorize a replacement in kind for column 56D-513. TCEQ Form PI-7-CERT and supporting information is attached.

Eastman is submitting this Permit by Rule to authorize the replacement in kind for column 56D-513. There will not be any change in the amount, character, or control of emissions for the new column, therefore no emission summary is provided. Any MSS emissions will be covered under 106.263 (approximately 23.1 lbs/event). NSPS will not be triggered for the replacement.

Some of the attached information is of a proprietary nature to Eastman and is identified as "Confidential." We expect the TCEQ to maintain confidentiality of this information as required by the Texas Clean Air Act, Subchapter A, Section 1.07, and by applicable regulations.

If you have any questions about this notification, please contact Mr. Jerry Thurman at (903) 237-6710.

Very truly yours,

Stancy Simpson, P.E.  
Manager, Environmental Affairs

Attachments



**RESPONSIBLE CARE®**  
OUR COMMITMENT TO SUSTAINABILITY

Air Permits Division (MC-161)

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June 20, 2012

cc: Ms. Michelle Baetz, Air Program Director  
Texas Commission on Environmental Quality  
2916 Teague Drive  
Tyler, Texas 75707

## **LIST OF ATTACHMENTS AND FIGURES**

### **NON-CONFIDENTIAL**

Form PI-7-CERT	Attachment 1
Documentation of Electronic Fee Payment	Attachment 2
Compliance with TCEQ Chapter 106, Permit by Rule	Attachment 3
Process Description	Attachment 4
Eastman Chemical Area Map	Figure 1

### **CONFIDENTIAL**

General Plant Layout	Figure 2
EPN Plot Plan	Figure 3

**ATTACHMENT 1**

**PI-7 FORM**

**ATTACHMENT 3**

**PBR REQUIREMENTS**

### *Attachment 3*

## **COMPLIANCE WITH TCEQ CHAPTER 106-PERMITS BY RULE**

**A.     *Section 106.4(a)(1)***

This PBR will authorize a replacement in kind for column 56D-513 in service in EOEG2. There will not be any change or increase in emissions. Therefore the PBR limits of 25-ton/yr limit for VOC, and 250-ton/yr limit for NOX and CO are satisfied.

**B.     *Section 106.4(a)(2)***

The facility is not located in a nonattainment area.

**C.     *Section 106.4 (a)(3)***

Potential emissions from the project are less than significant as defined by 40 CFR 52.21(b)(23). Thus, the proposed project does not constitute a major modification as defined by 40 CFR 52.21(b)(2) and a PSD review is not required.

**D.     *Section 106.4(a)(4)***

Public notice has been conducted for at least one facility at the Eastman Chemical Company, Texas Operations plant site.

**E.     *Section 106.4(a)(5)***

Permit by rules being applied became effective March 14, 1997, and have not been modified since this date.

**F.     *Section 106.4(a)(6)***

The EOEG Plants and equipment are in compliance with all applicable federal New Source Performance Standards (NSPS) or National Emissions Standards for Hazardous Air Pollutants (NESHAP). This replacement column will not be subject to NSPS.

### **Attachment 3 (Continued)**

## **COMPLIANCE WITH TCEQ CHAPTER 106—PERMITS BY RULE**

### **G. Section 106.4(a)(7)**

There are no permits under the same TCEQ Account Number that contain a condition or conditions precluding use of permits by rule.

### **H. Section 106.264**

A facility which replaces an existing facility is permitted by rule provided that the following conditions of this section are satisfied:

- (1) the replacement facility functions in the same or similar manner as the facility to be replaced;  
--The replacement column functions in the same manner as the original
- (2) the emissions from the replacement facility are not more than nor have different characteristics than those from the facility to be replaced;  
--There will not be a change in the amount, type, character, or control method for the emissions of the replacement column.
- (3) the emissions from the replacement facility will not exceed 25 tons per year of any air contaminant;  
--The emissions for the replacement will be less than 25 tpy
- (4) the physical location of the replacement facility is the same or immediately adjacent to the facility being replaced;  
--The replacement column will be in the same general location
- (5) there will be no increase in capacity, production rate, or throughput as a result of the replacement;  
--There will not be an increase in capacity, production rate, or throughput
- (6) notwithstanding the provisions of paragraph (3) of this section, the emissions from the replacement facility will not contain any compounds (other than carbon monoxide, nitrogen oxide, or sulfur dioxide) listed or proposed to be listed as hazardous constituents in 40 Code of Federal Regulations 261, Appendix VIII;  
--Emissions consist of ethylene glycol, Diethylene glycol, Triethylene glycol, tetraethylene, and glycol heavies.
- (7) Notification of the replacement is provided to the executive director within ten days following installation of the replacement facility.



**ATTACHMENT 4**

**PROCESS DESCRIPTION**

## **Process Description**

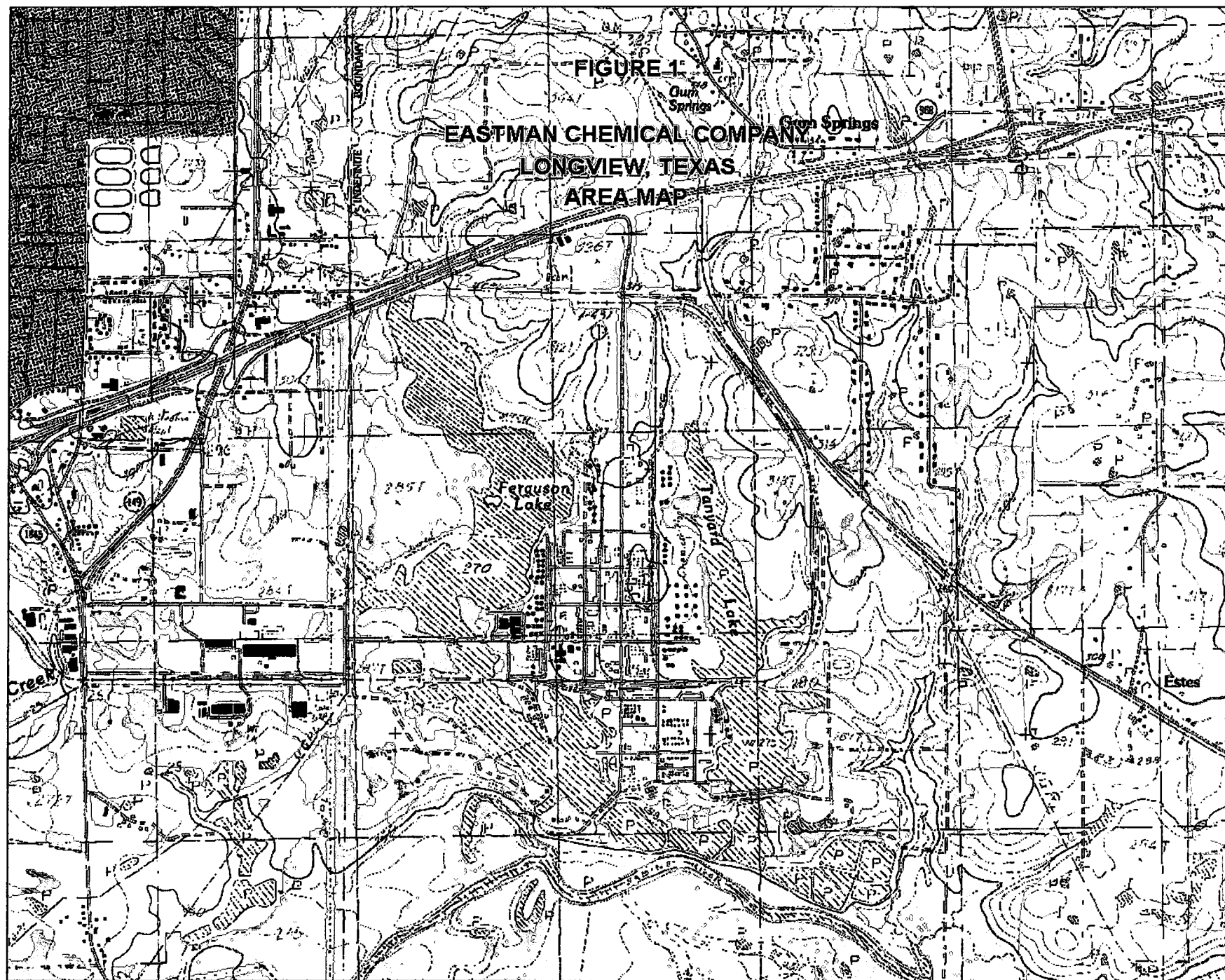
### **Ethylene Oxide Plant No. 2**

Ethylene and oxygen feedstocks are reacted to form ethylene oxide. The ethylene oxide is cooled and refined into product. Ethylene Oxide is used as a feedstock in the Ethylene Glycol Plant No. 2 and in two Glycol Ether Plants.

### **Ethylene Glycol Plant No. 2**

Ethylene Oxide is reacted with water to form ethylene glycol and other higher molecular weight glycol products. Residual water is removed and the glycol stream is refined into the glycol products. These products are sent to storage tanks before being loaded into railcars, truck, and drums.

**Figure 1**  
**Area Map**



## **Nancy Akintan**

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**From:** Thurman, Jerry Wayne [jthurman@eastman.com]  
**Sent:** Friday, August 03, 2012 11:09 AM  
**To:** Nancy Akintan  
**Cc:** Thurman, Jerry Wayne  
**Subject:** PBR for 56D-513 Replacement  
**Attachments:** MAERT for EOEG Plant 2 Permit 1329.pdf  
  
**Importance:** High

As requested, here is the current MAERT for 56D-513. This column is part of a group which emits from a common vent. This unit uses EPN 037VS1.

This PBR is a replacement and the emissions are not being changed from what is already authorized. The current authorization for 037VS1 is 0.42 lbs/hr and 1.85 tons per year.

If you need additional information please let me know and I will get that to you. Thanks and have a good weekend.

**Jerry Thurman, P.E.**  
**Principal Chemical Engineer**

**Environmental Affairs Department**  
**Eastman Chemical Company**  
**Office: 903-237-6710 Mobile: 903-399-4216 Fax: 903-237-6318**

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 1329

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit. The emission rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these facilities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
036LR1	Loading Operations	VOC	0.24	0.07
036LT93	Loading Operations	VOC	0.24	0.07
037DM111	Storage Tank	VOC	0.03	0.03
037DM141	Storage Tank	VOC	0.03	0.03
EGS 037EGS	Sample Pot	VOC	0.01	0.01
037GA1	Analyzer Vent	VOC	1.26	5.42
037SEAL	Storage Tank	VOC	0.01	0.01
037T31	Storage Tank	VOC	0.01	0.01
037T33	Storage Tank	VOC	0.01	0.01
037T128	Storage Tank	VOC	0.08	0.03
037T135	Storage Tank	VOC	0.03	0.03
037T501A	Storage Tank	VOC	32.10	0.48
037T513	Storage Tank	VOC	2.25	0.21
037T514A	Storage Tank	VOC	0.01	0.01
037T515A	Storage Tank	VOC	0.01	0.01
26A	Storage Tank	VOC	0.01	0.01

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
037 <del>5</del> 28	Storage Tank	VOC	0.03	0.03
037T543A	Storage Tank	VOC	0.65	0.06
037T543B	Storage Tank	VOC	0.65	0.06
037T544A	Storage Tank	VOC	0.06	0.01
037T544B	Storage Tank	VOC	0.06	0.01
037T548	Storage Tank	VOC	0.01	0.01
/T563	Storage Tank	VOC	0.01	0.01
037T590	Storage Tank	VOC	0.01	0.01
037T591	Storage Tank	VOC	0.01	0.01
037T595	Storage Tank	VOC	0.36	1.61
037T596	Storage Tank	VOC	0.01	0.01
037T621	Storage Tank	VOC	12.26	18.62
037U501	Process Cooling Tower	✓ EG	20.45	48.10
		✓ EO	5.06	8.87
		✓ VOC	3.16	7.72
037VS1	Jet Condenser Vent	VOC	0.42	1.85

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
104FL1	Emergency Flare Pilot Burner	CO	0.01	0.01
		NO <sub>x</sub>	0.07	0.30
		SO <sub>2</sub>	0.01	0.03
		VOC	0.01	0.01
104T51	Storage Tank	VOC	0.13	0.02
104T56	Storage Tank	VOC	0.01	0.01
104T57	Storage Tank	VOC	0.03	0.03
T161	Storage Tank	H <sub>3</sub> PO <sub>4</sub>	0.03	0.11
		VOC	0.75	3.20
105T504	Storage Tank	VOC	5.28	0.28
105T540	Storage Tank	VOC	4.21	0.03
141FL1	Flare Pit Pilot Burner	CO	0.01	0.01
		NO <sub>x</sub>	0.04	0.19
		SO <sub>2</sub>	0.01	0.02
		VOC	0.08	0.26
F037FG1	Process Fugitives (4)	EO	0.31	1.34
		VOC	4.19	18.30
F037WW1	Wastewater Fugitives (4)	VOC	0.17	0.67



Permit Number 1329

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#### EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.
  - (2) Specific point source name. For fugitive sources use area name or fugitive source name.
  - (3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1.  
EG - ethylene glycol  
EO - ethylene oxide  
CO - carbon monoxide  
NO<sub>x</sub> - nitrogen oxides  
SO<sub>2</sub> - sulfur dioxide  
H<sub>3</sub>PO<sub>4</sub> - phosphoric acid
  - (4) Emission rate is an estimate and compliance is demonstrated by meeting the requirements of the applicable special conditions and permit application representations.
- \* Emission rates are based on and the facilities are limited by the following maximum operating schedule:  
8760 hrs/year.
- \*\* Compliance with annual emission limits is based on a rolling 12-month period.

Dated May 21, 2007