Item Barcode:

69131461

Attachment #1

AIR PERMIT

FOLDER LEVEL

AIR PA #:	102754579	051633		
File Type:	PERMITS			
Volume:	001			
Inclusive Dates:	1/1/2002 - 12	2/31/2004	-	
Media	a Code/ Form			Microfiche
			\boxtimes	Roll Microfilm
			\boxtimes	Electronic Image

Files appearing on this roll of microfilm/ electronic image were filmed/ scanned as received and per instructions from the Texas Commission on Environmental Quality's Records Managemgent Coordinator, Kate Fitzpatrick.

Robert J. Huston. *Chairman*R. B. "Ralph" Marquez, *Commissioner*Kathleen Hartnett White, *Commissioner*Jeffrey A. Saitas, *Executive Director*



TEXAS NATURAL RESOURCE CONSERVATION COMMISSION

Protecting Texas by Reducing and Preventing Pollution

July 24, 2002

Ms. Irene T. Garcia Senior Staff Engineer Exxon Mobil Corporation P.O. Box 4358 Houston, Texas 77210-4358

Re: Permit By Rule Registration Number: 51633 Borregos ME-54 Remote Site Kingsville, Kleberg County

Dear Ms. Garcia:

This is in response to your Form PI-7 entitled "Permit By Rule Registration" concerning the proposed installation and operational use of two dehydrator systems at the Borregos ME-54 Remote Site, located near Kingsville, in Kleberg County. We understand that the dehydrator systems are equipped with BTEX condensers in order to control Hazardous Air Pollutants (HAP) and volatile organic compounds (VOC) emissions. Total emissions associated with the referenced activities are estimated to be 0.6 ton per year (tpy) of VOCs and 0.3 tpy of benzene.

After evaluation of the information which you have furnished, we have determined that your installation is authorized under Title 30 Texas Administrative Code § 106.352 (30 TAC § 106.352) if constructed and operated as described in your registration request. This permit by rule was authorized by the Texas Natural Resource Conservation Commission (TNRCC) pursuant to 30 TAC Chapter 106.

A copy of the permit by rule in effect at the time of this registration is enclosed. You must construct, install, or modify facilities in accordance with the version of the permit by rule in effect when construction, installation, or modification actually begins [see 30 TAC § 106.4(a)(5)]. After completion of construction, installation, or modification, the facility shall be operated in compliance with all the applicable conditions of the claimed permit by rule and 30 TAC § 106.4.

P.O. Box 13087 • Austin, Texas 78711-3087 • 512/239-1000 • Internet address: www.tnrcc.state.tx.us

Ms. Irene T. Garcia Page 2 July 24, 2002

Re: Permit By Rule Registration Number: 51633

You are reminded that regardless whether a permit is required, this facility must be in compliance with all rules and regulations of the TNRCC and the U.S. Environmental Protection Agency at all times. Please note that 40 CFR 63, Subpart HH, National Emissions Standards for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities is now in effect. It is the responsibility of the owner/operator to ensure that applicability of 40 CFR 63 is properly determined, both initially and whenever changes are made at a unit. The owner/operator may choose to complete and retain a PI-8 certification under 30 TAC 106.6 demonstrating that the emissions levels at the unit are below applicability limits for 40 CFR 63, Subpart HH.

Your cooperation in this matter is appreciated. If you have any questions concerning this permit by rule, please contact Mr. Miguel Galvan at (361) 825-3420 or write him at the Texas Natural Resource Conservation Commission, Office of Permitting, Remediation, and Registration, Air Permits Division (MC-161), P.O. Box 13087, Austin, Texas 78711-3087.

Sincerely,

Anne M. Inman, Manager Permit By Rule/General Operating Permits Section Air Permits Division Texas Natural Resource Conservation Commission

AMI/MOG/mfs

Enclosure

cc: Mr. Jim Bowman, Air Program Manager, Region 14 - Corpus Christi

Record Number. 89794



Contact Name		Phone #		Fax #	
Primary Contact	Ms. Irene T. Garcia	Phone #	(713)431-1221	Fax #	(713)431-4358
Company	Exxon Mobil Corporation	Facility Name	Borregos ME-54 Remote Site	Assoc Permit #s	
Account ID#		Reg Entity #	RN102754579	PBR(s) Claimed	106.352
Registration #	51633	Project #	89794	Date Received	06/20/2002

General Rules Check:	<u>Yes</u>	<u>No</u>	Describe which/how requirements are met if needed
Is each PBR ≤ 25/250 tpy?	x		
Are PBR sitewide emissions > 25/250 tpy? (PN)		x	
Are there permit limits on using PBRs at site?		x	
Is PSD/Nonattainment netting required?		x	
Is FCAA §112g review required? (10/25 tpy)		x	
Do NSPS/NESHAPS/MACT Standards apply?		x	
Does NOx Cap and Trade apply to this PBR?		x	
Is the facility in compliance with all other applicable rules and regulations?	x		
Is this facility located at a Title V major site?		x	

Overall Site / Unit Description:

This claim is for the proposed installation and operational use of two dehydrator systems at the Borregos ME-54 Remote Site, located near Kingsville, in Kleberg County.

Project Sources / Facilities, PBRs Claimed, Applicable Standards, Emissions and Control Summary:

The Borregos ME-54 Remote Site reviews raw field gas rom producing wells. The gas from the high pressure wells flow through a 3-phase separator. The gas splits and flows to the dehydrator contactor towers. Dry gas is then sent to east lateral. Liquids are separated and sent through a 6" pipeline to tank battery No. 10. The company is in compliance with 106.4.

106.352 Oil and Gas production Facilities

- 1) There are no compressors or flares.
- 2) Total emissions, including process fugitives, combustion unit stacks, separator, or other process vents, tank vents, and loading emissions from all such facilities constructed at a site under this section shall not exceed 25 tons per year (tpy) each of sulfur dioxide (SO₂), all other sulfur compounds combined, or all volatile organic compounds (VOC) combined; and 250 tpy each of nitrogen oxide and carbon monoxide. Emissions of VOC and sulfur compounds other than SO₂ must include gas lost by equilibrium flash as well as gas lost by conventional evaporation.
- 3) Any facility handling sour gas shall be located at least 1/4 mile from any recreational area or residence or other structure not occupied or used solely by the owner or operator of the facility or the owner of the property upon which the facility is located. The facility handles sweet natural gas.
- 4) The facility handles sweet natural gas.
- 5) PI-7 included.

Estimated Annual Emissions (Tons/year) - Proposed modifications to the Borregos ME-54 Remote Site.

EPN	Emission Source	Benzene	voc
EXHSTK1	Dehydrator Still Vent	0.1505	0.3045
EXHSTK2	Dehydrator Still Vent	0.1505	0.3045
	Total Emissions:	0.301	0.609

Distance	Limitations	(if applicable)	:

Yes	No	Description/Outcome	Date	Reviewed by
	x			
x				
		x	x	x

Compliance History:	Yes No	Description / Groupwise Document #
Does this registration require a 30 TAC 60 Compliance History review?	x	
Description of findings of CH review:	N/A	
Should the PBR claim be denied on the basis of CH?	X	

Review Summary:	<u>Yes</u>	<u>No</u>	If no, describe
Are all general and specific applicable rule conditions satisfied?	x		
Accept Claim for Registration?	x		

	Technical Reviewer	Team Leader/Back up	Section Manager/Back Up
Name/Signature:	Miguel Galvan	Clyde Price	Null
Date:	July 18, 2002	July 22, 2002	7/24/02

10/24/2002 ----- NSR PERMITS IMS- PROJECT RECORD ------PROJECT#: 89794 PERMIT#: 51633 STATUS: X DISP CODE: **ISSUED DATE:** RECEIVED: 06/20/2002 PROJTYPE: XRVW 07/24/2002 STDX1/SP: 352 SUP-DISP DATE: 07/24/2002 FEE DATE: FEE AMT: \$0 **GROUP: PAR** PARSTAFF1: ROMERO, RONICA & PARSTAFF2: NELON, DONALD **GROUP: CCRT TECHENGR: GALVAN, MIGUEL** ADMIN REVIEW 06/20/2002 A - ACCT#/CR# REC 07/15/2002 A - PAR TRANSFER TO 07/16/2002 A - PAR RECEIVED: FROM REGION: APD: ISSUED TO: EXXON MOBIL CORPORATION **CUSTOMER REGISTRY ID: CN600123939** PRIMARY CONTACT INFORMATION CONTACT TYPE: RESPONSIBLE OFFICIAL TITLE: SENIOR STAFF ENGINEER NAME: MS IRENE T GARCIA PHONE: 713-431-1221 ext FAX: 713-431-1450 ext STREET: PO BOX 4358 CITY/STATE, ZIP: HOUSTON, TX, 77210-4358 PROJECT INFORMATION **UNIT: BORREGOS ME-54 REMOTE SITE REG ENTITY ID:** SIC: 1311 **REGION: 14 ACCOUNT:** RN102754579 SITE NAME: ME-54 REMOTE STATION **COUNTY: KLEBERG CAPUNITS:** UNITTYPE: CAPACITY: CITY: KINGSVILLE LOCATION: FROM THE INTERSECTION OF HWY 77 AND HWY 141, TVL 10 MI WEST ON HWY 141, TURN LEFT AT A CAUTION LIGHT, GO SOUTH ON PAVED RD TO FIELD **OFFICE PUBLIC NOTICE** PUBLIC NOTICE REQUIRED?: PN1 ALT LANGUAGE: NO PN2 ALT LANGUAGE: NO **EMISSION** RATES TONS/YR REDUCTION NOX CO VOC PM SO2 OTHER TOTAL **PROJECT NOTES**

TECHNICAL ACTIVITY HISTORY

TR - ENGINEER RECEIVE PROJECT :

07/18/2002 SUP - RECEIVED FROM

07/18/2002 TR - SUP/MANGR APP/RVW ROSTD:

07/18/2002

PROJECTS/PERMITS VOIDANCE

PBR - TO AUSTIN:	07/22/2002 FA - PROJECT ISSUED:	07/24/2002
PROJECT ATTRIBUTES	S	
PROJECT LINK		

Jul 1

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P. 01



FAX TRANSMITTAL

DATE: _	7/14/02 NU	MBER OF PAGES (including this cover sheet):
TO:	Name	Patti Peterson Dan Ca
	Organization	
	FAX Number	239-3755
FROM:	TEXAS NATURAL RESOU	rce_conservation,commission
	Name	DON Nelon
	Division/Region	Air and Waste Applications Team, Permits Administrative Review Section, Registration, Review, & Reporting Division
	Telephone Number	512/239- 0894
	FAX Number	512 239-4500
Nu	mber (replacing NSR Air	
	npanyName: Exch	
IM	S Project Number: 897	94
		stration Number: 5/633
We reviewe	ed the Core Data form for comp	pleteness and need the following as checked below:
		Core Data Form. as on Core Data Form.
	nd fax it back to the sender. T	nent below or indicate that changes have been made as he information is needed to complete the administrative
		1102754579
Cu	stomer Number:	600123947
Air	Account Number, If found:	
50	Changes in CR have been mad	le as you noted.

Please call me if you should have any questions. Thank you

** Transmit Conf.Report **

P.1

Jul 14 2002 10:20

Fax/Phone Number	Mode	Start	Time	Page	Result	Note
3755	NORMAL	14,10:20	1'08"	3	* 0 K	

TNRCC
Protecting Texas by Reducing and Preventing Pollution

ŀ	FAX TRA	NSMITTAL
DATE:	7/14/02 NUM	BER OF PAGES (including this cover sheet):
TO:	Name	Patti Peterson Dano
	Organization	
	FAX Number	239-3755
FROM:	TEXAS NATURAL RESOUR	CE CONSERVATION COMMISSION
	Division/Region	Air and Waste Applications Team, Permits Administrative Review Section, Registration, Review, & Reporting Division
	Telephone Number	512/239-0894
Re:	FAX Number Request for Assistance	512 239-4500 with Regulated Entity and Customer
	Number (replacing NSR Air	Mobil Corporation
	Company Name: Exch	TIND.
	IMS Project Number: 897	99
	Proposed NSR Air Permit/Regi	stration Number: 5/633
We re	viewed the Core Data form for com	pleteness and need the following as checked below:
	Assign New Regulated Entity and Change Customer Name as on Cichange Regulated Entity Name	Core Data Form.



FAX TRANSMITTAL

DATE:	7/14/02 NI	UMBER OF PAGES (including this cover sheet):
		in the second se
TO:	Name	Patti Peterson Dana
	Organization	
	FAX Number	239-3755
FROM:	TEXAS NATURAL RESOL	JRCE CONSERVATION COMMISSION
	Name	DON Nelon
	Division/Region	Air and Waste Applications Team, Permits Administrative Review Section, Registration, Review, & Reporting Division
	Telephone Number	512/239- 0894
	FAX Number	512 239-4500
N Co	umber (replacing NSR Air ompany Name:	istration Number: 5/633 inpleteness and need the following as checked below: and Customer Numbers. Core Data Form. e as on Core Data Form.
requested review pro	and fax it back to the sender. Tocess:	ment below or indicate that changes have been made as the information is needed to complete the administrative 600/23 947
	ir Account Number, If found: Changes in CR have been ma	de as you noted.

Please call me if you should have any questions. Thank you



U.S. West P.O. Box 4358 Houston, Texas 77210-4358



June 14, 2002

PI-8 Registration Request ME-54 Remote Station Kleberg County, Texas

Texas Natural Resources Conservation Commission Permits Administrative Review Section Registration, Review and Reporting Division, MC 161 12100 Park 35 Circle Building F, First Floor, Room 1206 Austin, Texas 78753

Dear Sir or Madam:

Exxon Mobil Corporation respectfully requests registration of two dehydrator systems at the Borregos ME-54 Remote Station under Permit By Rule 106.352 (FIN: REB-1, FIN: REB-2). The dehydrator systems are equipped with BTEX condensers in order to control Hazardous Air Pollutants (HAPS) and the Volatile Organic Compound (VOC) emissions. The dehydrators are therefore controlled in accordance with E&P MACT.

Attached for your review is the PI-8 form, the Core Data form, along with supporting documentation that all requirements are being met.

Please Contact Jennifer Wilder at (713) 431-1060 with any questions concerning this registration request.

Yours Truly,

Irene T. Garcia Senior Staff Engineer

ne I Garen

ITG/JCW:mb
Attachments

C - w/attachments

Region 14 – TNRCC 1804 West Jefferson Ave. Harlingen, TX 78550-5247 956-425-6010

RECEIVED

JUN 2 0 2002

Air & Waste Applications Team

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Table of Contents PI-8 Exxon Mobil Corporation ME-54 Remote – Kleberg County, Texas

- FORM PI-8 & Core Data Form
- Process Description & Flow Diagram
- Emission Summary & Calculations
- Area Map & Plot Plan

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Form PI-8 & Core Data Form

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TEXAS NOTURAL RESOURCE CONSERVATION COMMISSION

FORM PI-8

SPECIAL CERTIFICATION FORM FOR EXEMPTIONS (Title 30 Texas Administrative Code Chapter 106 [30 TAC Chapter 106]) AND STANDARD PERMITS (30 TAC Chapter 116)

Note: This form should be used to establish enforceable allowable emission rates which are below those allowed by 30 TAC Chapter 106 or 30 TAC § 116.610. Please mail to: Texas Natural Resource Conservation Commission, Office of Permitting, Remediation, and Registration, Air Permits Division, MC-162, P.O. Box 13087, Austin, Texas 78711-3087.

I.	APPLICANT INFORMATION							
	Company Name: Exxon Mobil Corporation							
	[Corporation, Company, Government Agency, Firm, etc.]							
	Mailing Address: P.O. Box 4358, Houston, TX 77210-4358							
	Individual Authorized to Act for Applicant: Name: <u>Irene T Garcia</u> Title: <u>Senior Staff Engineer</u>							
	Address: Same as above Telephone: (713) 431-1221 Fax: (713)431-1450							
	Does this action result in the registration of any grandfathered facilities?							
II.	LOCATION OF FACILITY (LATITUDE AND LONGITUDE MUST BE TO THE NEAREST SECOND)							
	Name of Plant or Site: Borregos ME-54 Remote Site							
	Name of Facility: ME-54 Remote							
	Street Address: N/A							
	Nearest City: Kingsville Zip Code: 78364 County: Kleberg							
	Latitude: 27 25' 50" Longitude: 97 57' 35"							
	Does the company (including subsidiaries and parent companies) employ 100 or fewer persons?							
	□ YES [X] NO							
	Site Requirements:							
	Submit a plot plan to scale of the property showing the location of plant boundaries, plant equipment, the exempted							
	facility, and the surrounding areas.							
III.	TYPE OF FACILITY							
Ī	A. Exemption or Standard Permit Section Number(s):							
I	106.352							
I	TNRCC Account Identification Number: N/A							
l	B. Associated or Previous Special Exemption or Permit Number (s): 106.352							
ı	C. Operating Schedule: Hours/Day: 24 Days/Week: 7 Weeks/Year: 52							
	IXI Continuous or Hours/Year							
	[X] Continuous orHours/Year D. Start of Construction (Date):NaStart of Operation (Date):Na							
	E. New Source Modification of Existing Source [X] Certification of Existing Source							
IV.	PROCESS DESCRIPTION							
	Submit a summary which describes the construction, process, operation, and compliance of the facility. The							
	description must be in sufficient detail to indicate how the facility conforms to the specified exemption or standard							
	permit and verifies the maximum emission rates indicated below.							
	permit and vermes the maximum emission rates indicated below.							

RECEIVED

V. MAXIMUM EMISSIONS RATE DATA Submit documentation which demonstrates the basis for each emission point number's maximum emission rates represented below, including fugitives (calculations, emission factors, equipment capacity, sampling, monitoring, etc.)							
Emission Name Name Emission Rate of Each Air Contaminant Point of of							
of Source	of Air Contaminant	Maximum	Pound/Hour	Actual 7	Γons/Year		
		Gaseous	Particulate	Gaseous	Particulate		
Dehy still vent	VOC	0.0695		0.3045			
Dehy still vent	VOC	0.0695		0.3045			
data required should l	be shown on an attacl	ned sheet.					
VI. COPY DISTRIBUTION Was a copy of this certification sent to the Air Permits Division of the TNRCC? [X] YES							
VII. SIGNATURE I, Rudy Hanseka Operations Super, 2 endant (Name) State 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 also certify that the maximum emission rates listed on this certification reflect the maximum anticipated emissions due to the operation of this facility. To the best of my knowledge and belief, the project will satisfy the conditions and limitations of the indicated exemption or standard permit. The facility will operate in compliance with all regulations of the Texas Natural Resource Conservation Commission and with federal U.S. Environmental Protection Agency regulations governing air pollution. DATE: 6/14/02 SIGNATURE:							
	Name of Source Dehy still vent Dehy still vent I data required should belief. I all the still vent of the serification of t	Name Name of Of Air Contaminant Dehy still vent VOC Dehy still vent VOC I data required should be shown on an attach ISTRIBUTION Py of this certification sent to the Air Permitive (IX) YES INO INA Py of this certification sent to the Regional Of IXI YES INO INA ATURE (Name) That I have knowledge of the facts herein set the dege and belief. I also certify that the mature anticipated emissions due to the operation of the incompliance with all regulations of the IU.S. Environmental Protection Agency regular.	Name of Source Air Contaminant Maximum Gaseous Dehy still vent VOC 0.0695 Dehy still vent VOC 0.0695 I data required should be shown on an attached sheet. ISTRIBUTION Py of this certification sent to the Air Permits Division of the IX YES NO NA Py of this certification sent to the Regional Office of the The IX YES NO NA ATURE (Name) (Title and I have knowledge of the facts herein set forth and that the edge and belief. I also certify that the maximum emission and imitations of the indicated even in compliance with all regulations of the Texas Natural II U.S. Environmental Protection Agency regulations govern	Name Name Emission Rate of Ea Maximum Pound/Hour Dehy still vent VOC 0.0695 Dehy still vent VOC 0.0695 Idata required should be shown on an attached sheet. ISTRIBUTION py of this certification sent to the Air Permits Division of the TNRCC? [X] YES □ NO □ NA Date of the TNRCC? [X] YES □ NO □ NA Date of the Air Permits Division of the TNRCC? [X] YES □ NO □ NA Date of	Name of Source Air Contaminant Gaseous Particulate Gaseous Dehy still vent VOC 0.0695 0.3045 Dehy still vent VOC 0.0695 0.3045 Idata required should be shown on an attached sheet. ISTRIBUTION py of this certification sent to the Air Permits Division of the TNRCC? [X] YES NO NA Date: [X] YES NA		

RECEIVED



TN	IRCC	Use	Only	

SECTION I: General Information

1. Reason for Submission Example: new wastewater permit; IHW registration; change in customer information; etc.								
NSR								
2. Attachments Describe Any Attachments: (ex: Title V Application, Waste Transporter Application, etc.) X Yes No PI-8								
3. Customer Reference Number-if issued		A Por	u dato	d Entity Reference I	Number // Jesued			
CN N/A (9 digits)		RN	Juiatet	N/A	(9 digits)			
Turk (9 digits)								
SECTION II: Customer Information								
5. Customer Role (Proposed or Actual) - As It R	Relates to the	Regulated E	ntity Li	sted on This Form				
Please check <u>one</u> of the following: Owner	ХОре	erator	O\	wner and Operator				
Occupational Licensee Volunteer Clea	anup Applican	t Other						
TNRCC Use Only	d	☐ PST	[Respondent				
6. General Customer Information	<u>.</u> [_					
X New Customer Change to Customer Interview *If "No Change" and Section I is								
7. Type of Customer: Individual	Sole Propriet	orship - D.B.	Α.	Partnership	X Corporation			
Federal Government State Government	nent	County G	overn	ment City	y Government			
Other Government		Other						
8. Customer Name (If an individual, please print	last name firs	it)						
E	xxon Mobil	Corporatio	n					
9. Mailing Address:								
P.O. Box 4358								
City		S	tate	ZIP	ZIP + 4			
Houston		I	ΓX	77210	77210-4530			
10. Country Mailing Information if outside USA		11. E-Mail A	ddres	s if applicable				
N/A		N/A						
12. Telephone Number (713) 431-1219	13. Extension	n or Code	l	ax Number if appli	icable			
15. Federal Tax ID (9 digits) 16. State Franchise	Tax ID Num	ber if applic			if applicable (9 digits)			
	1354090059				N/A			
18. Number of Employees	100 1000000	<u>' </u>	19. I	ndependently Owne				
0-20 21-100 101-250 251-50	00 X 501 a	nd higher			No ·			
SECTION III: Regulated Entity Information								
20. General Regulated Entity Information								
X New Regulated Entity Change to Regulated Entity Information No Change* *If "No Change" and Section I is complete, skip to Section IV - Preparer Information.								
21. Regulated Entity Name (If an individual,								
ME-54 Remote Station	•		•					
Move cursor to page 2 to continue.								

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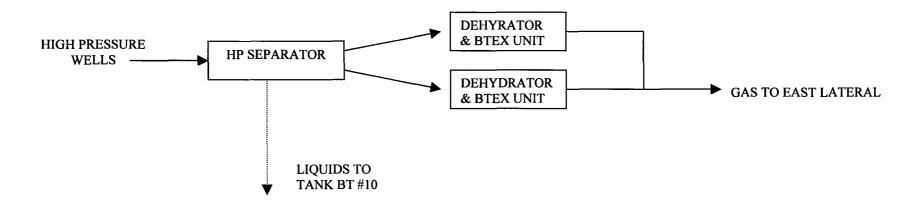
					•		_	_		
22. Street Address:										
(No P.O. Boxes)										
,	City				St	ate	ZIP			ZIP + 4
	Oity				O.	uto				2
										1
23. Mailing	Borregos Work A	rea								
Address	P.O Box 372									
	City				State ZIP					ZIP + 4
	Kingsville				Т	X	7836	4		
24. E-Mail Address:	N/A									
25. Telephone Numb			26. Extension	n or Co	de	27. F	ax Nu	ımb	er if applicable	
(361) 592-98	:13					()		
28. Primary 29			I						•	
SIC Code	SIC Code (4 digits)	30. Pr	imary NAICS	Code 6 digits)			31.	. Se	condary NAIC	
(4 digits) 1311	N/A		· ·	1111					(5 07 6 0 N/A	- /
32. What is the Prim		entity			at th	e SIC	or NA	VCS		
Oil & Gas Product	ion									
Questions 33	- 37 address geog	graph	ic location.	Please	refe	r to t	the in	str	uctions for a	oplicability.
33. County: Klek				•	-					
34. Description of Pl	hysical Location					·				
10 miles west of H						outh	on p	ave	ed road to fiel	d office. 10
miles south of the	office on a lease	road i	s the remot	e statio	n.					
35. Nearest City							State		Nearest ZIP	
Kingsville							TX		7	'8364
36. Latitude (N)	Minutos		coondo	37. Lon	_) ု		Minutos	! Casanda
Degrees 27	Minutes 25		econds 50	ש	egree 97	95	s Minutes 57			Seconds 35
38. TNRCC Program	s In Which This Reg	julated	Entity Partic		Vot a				e been listed. I	
	this list as needed	l. If you	т				e man	k "u		
Animal Feedin	g Operation		Petroleum	Storage	Tar	ık			Water Right	S
Title V - Air			Wastewate	r Permi	t			X	Natural Min	or
Industrial & Ha	azardous Waste		Water Distr	icts					l	
Municipal Soli	d Waste		Water Utilit	ies					Unknown	
X New Source R	X New Source Review - Air Licensing - TYPE(s)									
SECTION IV: Pr	eparer Informa	ition								
39. Name 40. Title										
	Jennifer	C Wile	der						Compliance	Engineer
41. Telephone Numb	oer		42. Extensio	n or Co	de	43. F	ax Nu	ımh	er if applicable	
•	(713) 431-1060 (713) 431-1450									
44. E-Mail Address:	jennifer.wilder@	Деху	onmobil con	n				-		
TT. L-Man Address.	Journal Mindel	-CAA!						_	CCEIVE	<u> </u>

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Process Description & Flow Diagram

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BORREGOS ME-54 REMOTE- Block Flow Diagram



Borregos ME-54 Remote Process Description

The remote station reviews raw field gas from producing wells.

The gas from the high pressure wells flow through a 3-phase separator. The gas splits and flows to the dehydrator contactor towers. Dry gas is then sent to east lateral.

Liquids are separated and sent through a 6" line to tank battery No. 10.

Air & Waste Applications Team

Emission Summary & Calculations

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JUN 20 7007

Air & Waste Applications Team

ME-54 Remote Station Emission Values for dehys with BTEX units

FIN: REB1 EPN: EXHSTK1

Controlled

	lbs/hr	TPY
VOCs	0.0695	0.3045
Benzene	0.0344	0.1505

FIN: REB2 EPN: EXHSTK2

Controlled

	lbs/hr	TPY
VOCs	0.0695	0.3045
Benzene	0.0344	0.1505

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Page: 1

GRI-GLYCalc VERSION 4.0 - EMISSIONS SUMMARY

Case Name: ME-54 Borregos
File Name: H:\Griglyca.4\ME-54.ddf

Date: June 13, 2002

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JUN 2 0 2002

Air & Waste Applications Team

CONTROLLED REGENERATOR EMISSIONS

Component	lbs/hr	lbs/day	tons/yr
Methane	0.0138	0.330	0.0602
Ethane	0.0060	0.144	0.0263
Propane	0.0006	0.014	0.0026
Isobutane	0.0023	0.055	0.0100
n-Butane	0.0036	0.086	0.0156
Isopentane	0.0015	0.035	0.0065
n-Pentane	0.0016	0.037	0.0068
n-Hexane	0.0019	0.044	0.0081
Cyclohexane	0.0081	0.195	0.0355
Other Hexanes	0.0012	0.029	0.0054
Heptanes	0.0018	0.043	0.0078
Methylcyclohexane	0.0035	0.084	0.0153
Benzene	0.0344	0.825	0.1505
Toluene	0.0081	0.195	0.0355
C8+ Heavies	0.0011	0.026	0.0048
Total Emissions	0.0893	2.143	0.3910
Total Hydrocarbon Emissions	0.0893	2.143	0.3910
Total VOC Emissions	0.0695	1.669	0.3045
Total HAP Emissions	0.0443	1.064	0.1942
Total BTEX Emissions	0.0425	1.019	0.1861

UNCONTROLLED REGENERATOR EMISSIONS

			
Component	lbs/hr	lbs/day	tons/yr
Methane	0.6904	16.569	3.0239
Ethane	0.3065	7.356	1.3424
Propane	0.0327	0.785	0.1433
Isobutane	0.1322	3.172	0.5788
n-Butane	0.2167	5.201	0.9492
Isopentane	0.1074	2.576	0.4702
n-Pentane	0.1189	2.854	0.5209
n-Hexane	0.2000	4.801	0.8762
Cyclohexane	1.1037	26.489	4.8342
Other Hexanes	0.1197	2.874	0.5245

			Page: 2
Heptanes	0.3398	8.156	1.4884
Methylcyclohexane	0.6973	16.736	3.0543
Benzene	4.4487	106.769	19.4853
Toluene	2.2346	53.629	9.7874
C8+ Heavies	24.2591	582.219	106.2549
Total Emissions	35.0077	840.186	153.3339
matal water and a second	25 2255	040 406	450 0000
Total Hydrocarbon Emissions	35.0077	840.186	153.3339
Total VOC Emissions	34.0109	816.261	148.9676
Total HAP Emissions	6.8833	165.199	30.1488
Total BTEX Emissions	6.6833	160.398	29.2727
	0.0055	200.550	27.2727

FLASH GAS EMISSIONS

Component	lbs/hr	lbs/day	tons/yr
Methane	0.0852	2.044	0.3731
Ethane	0.0101	0.243	0.0444
Propane	0.0004	0.011	0.0020
Isobutane	0.0011	0.027	0.0050
n-Butane	0.0014	0.033	0.0060
Isopentane	0.0006	0.014	0.0025
n-Pentane	0.0005	0.012	0.0022
n-Hexane	0.0004	0.010	0.0019
Cyclohexane	0.0006	0.015	0.0028
Other Hexanes	0.0004	0.008	0.0015
Heptanes	0.0003	0.008	0.0015
Methylcyclohexane	0.0003	0.007	0.0013
Benzene	0.0003	0.007	0.0013
Toluene	0.0001	0.002	0.0004
C8+ Heavies	0.0024	0.058	0.0106
Total Emissions	0.1042	2.502	0.4566
Total Hydrocarbon Emissions	0.1042	2.502	0.4566
Total VOC Emissions	0.0089	0.214	0.0391
Total HAP Emissions	0.0008	0.020	0.0036
Total BTEX Emissions	0.0004	0.010	0.0017

FLASH TANK OFF GAS

Component		lbs/hr	lbs/day	tons/yr
RECEIVED	Methane	4.2590	102.217	18.6545
	Ethane	0.5070	12.169	2.2208
	Propane	0.0224	0.537	0.0980
	Isobutane	0.0571	1.370	0.2499
	n-Butane	0.0690	1.655	0.3021

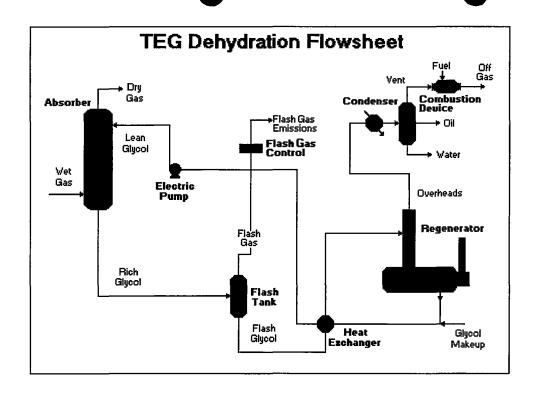
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			Page: 3
Isopentane	0.0286	0.686	0.1252
n-Pentane	0.0248	0.594	0.1085
n-Hexane	0.0218	0.523	0.0954
Cyclohexane	0.0315	0.755	0.1378
Other Hexanes	0.0176	0.422	0.0770
Heptanes	0.0173	0.414	0.0756
Methylcyclohexane	0.0149	0.358	0.0653
Benzene	0.0152	0.365	0.0667
Toluene	0.0046	0.111	0.0202
C8+ Heavies	0.1212	2.909	0.5309
Total Emissions	5.2118	125.084	22.8278
Total Hydrocarbon Emissions	5.2118	125.084	22.8278
Total VOC Emissions	0.4458	10.699	1.9525
Total HAP Emissions	0.0416	0.999	0.1823
Total BTEX Emissions	0.0198	0.476	0.0869

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GRI-GLYCalc VERSION 4.0 - SUMMARY OF INPUT VALUES

Case Name: ME-54 Borregos

File Name: H:\Griglyca.4\ME-54.ddf

Date: June 13, 2002

DESCRIPTION:

Description:

Annual Hours of Operation: 8760.0 hours/yr

WET GAS:

Temperature: 101.00 deg. F Pressure: 975.70 psig

Wet Gas Water Content: Saturated

Component	Conc. (vol %)
Carbon Dioxide	2.0820
Nitrogen	0.0510
Methane	93.4060
Ethane	2.7670
Propane	0.0817
Isobutane	0.1600
n-Butane	0.1860
Isopentane	0.0740
n-Pentane	0.0610
n-Hexane	0.0500
Cyclohexane	0.0600
Other Hexanes	0.0400
Heptanes	0.0400
Methylcyclohexane	0.0310
Benzene	0.0300
Toluene	0.0090
C8+ Heavies	0.5000

DRY GAS:

Flow Rate: 25.0 MMSCF/day Water Content: 7.0 lbs. H2O/MMSCF

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LEAN GLYCOL:

Page: 2

Glycol Type: TEG

Water Content: 1.5 wt% H2O Recirculation Ratio: 2.9 gal/lb H2O

PUMP:

Glycol Pump Type: Electric/Pneumatic

FLASH TANK:

Flash Control: Combustion device

Flash Control Efficiency: 98.00 %

Temperature: 100.0 deg. F Pressure: 125.0 psig

REGENERATOR OVERHEADS CONTROL DEVICE:

Control Device: Condenser

Temperature: 150.0 deg. F Pressure: 14.7 psia

Control Device: Combustion Device

Destruction Efficiency: 98.0 %
Excess Oxygen: 0.0 %
Ambient Air Temperature: 100.0 deg. F

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	me: Exxon Mobil Corporation	Checklist completed by: <u>J. Wilder</u> Date: <u>6/13/02</u>
		Exemption(s) claimed: §106.352
Project Descri	iption: Register two dehydrator system	<u>S</u>
(including equipmer	nt, materials, and brief process description)	
List the maxir CO: SO ₂ :	mum annual emission rates, in TONS PER NO _x : VOCs:0.609	PM: Other:
The following questi	tions require a "Yes" or "No" answer to be indicated for this	exemption claim:
A. §106.4(a)((5): Current Exemption Requirement	S
Yes_X_ N	TAC 106? If "Yes", continue to next question	nis exempt project is being claimed under the current version of Division for a copy of the current exemption to be claimed.
B. §106.4(a)((7): Exemption prohibition check	
Yes No	restrict the use of standard exemption If "No", continue to next question If "Yes", exemptions may not be used or the	same account containing permit conditions which prohibit or ons? ir use must meet the restrictions of the permit. required. List permit number(s):
permitting)." 1. dividing 2. claiming facilities economi 3. claiming	ates "No person shall circumvent by artificial limital "Circumvention by artificial limitations may includ g a complete project into separate segments to circur g feed or production rates below the physical capaci s before a permit or permit amendment is approved j ically viable at less than permitted capacity; g a limited chemical list in order to begin constructi	
YesNo	o_X_ Does your project meet any of the call of "No", continue to next rule question If "Yes", an exemption may not be claimed	riteria listed above?
D. §106.4(c)	- (d): Compliance with all Rules	
Yes_X_N	Mo Will the facility comply with all rule Act, and any local permitting or registry. Act, with all rule for the first of the first	PECELVED
E.§106.4(a)(1	l): Emission limits check	JUN 2 0 2002
Yes_X_N	The maximum emissions from <u>all</u> fatpy of any contaminant. If the answer to this questions is "Yes Forward all information needed to ver	Air & Waste Applications Team scilities at the site, including this exemption claim, are less that", no further review is needed to complete this checklist. rify your exemption claim to the TNRCC. the maining applicable pages of the checklist.

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Exemption § 106.352, Checklist (Previously Standard Exemption 66)

JUN 2 0 2002

Oil and Gas Production, CO₂ Separation, and Pipeline Facilities

YOU MUST SUBMIT A PI-7 WITH REQUIRED ATTACHMENTS IF THE PROJECT COVERED BY THIS EXEMPTION INCLUDES HANDLING GAS WITH A HYDROGEN SULFIDE CONCENTRATION GREATER THAN 1.5 GR/100 SCF OR A TOTAL SULFUR CONCENTRATION GREATER THAN 30 GR/100 SCF.

The following checklist is designed to help you confirm that you meet Exemption §106.352, previously standard exemption 66 (STDX 66), requirements. Any "no" answers indicate that the claim of registration may not meet all requirements for the use of Standard Exemption 66. If you do not meet all the requirements, you may alter the project design/operation in such a way that all the requirements of the exemption are met or obtain a construction permit.

DECODIDATION

<u>I E O</u>	<u>INO</u>	<u>IVA</u>	DESCRIPTION
<u>X</u>	_	_	Have you included a description of how this exemption claim meets the general rule for the use of exemptions (§106.4 checklist is available)?
<u>X</u>	_	_	Are all the facilities covered by this exemption specifically named in the general section of $\S106.352$, previously STDX 66?
<u>X</u>			Are all the facilities associated with production, conditioning, processing, and pipeline transfer of fluids found in geologic formations beneath the earth's surface?
_		<u>X</u> _	Will gas sweetening, sulfur recovery, or other gas conditioning facilities only condition gas that contains less than two (2) long tons per day of sulfur compounds as sulfur?
_	_	<u>X</u>	Do all compressors and flares fully meet the requirements of $\$106.512$ and $\$106.492$, previously STDXs 6 and 80, respectively? Attach data showing how the exemptions are met. Checklists are available.
_	_	<u>X</u>	Have registrations (PI-7) for all compressors and flares (sour gas only) been filed if they are not included in this registration?
_	_	<u>X</u>	If the facility handles sour gas, is it located at least 1/4 mile from any recreational area, residence, or other structure not occupied or used solely by the owner or operator of the facility or the owner of the property upon which the facility is located? Attach a scaled map.
_	_	<u>X</u>	Are total emissions of sulfur compounds, excluding sulfur oxides, less than 4.0 pounds per hour? Attach calculations.
_		<u>X</u>	Does the height of each vent emitting sulfur compounds meet or exceed the minimum vent height stated in §106.352, previously STDX 66? Required height Actual height
_		<u>X</u>	If the facility was constructed under §106.353, previously STDX 67, does it meet all the requirements of §106.352, previously STDX 66, including registration prior to start of operations when sour gas is handled?

Exemption §106.352, previously 66 Checklist Page 2

<u>X</u>	_	_	Have you attached calculations and other data, such as a gas analysis, showing that the emissions limits of the general rule are met?
			that the emissions innits of the general rule are met:

X _ _ _ If a glycol dehydrator is used, have VOC emissions from the still been calculated by use of an acceptable software program or a rich/lean analysis? If glycol dehydrator still vents must be controlled to stay within §106.4(a)(1) limits, describe the controls.

Revised 3/97

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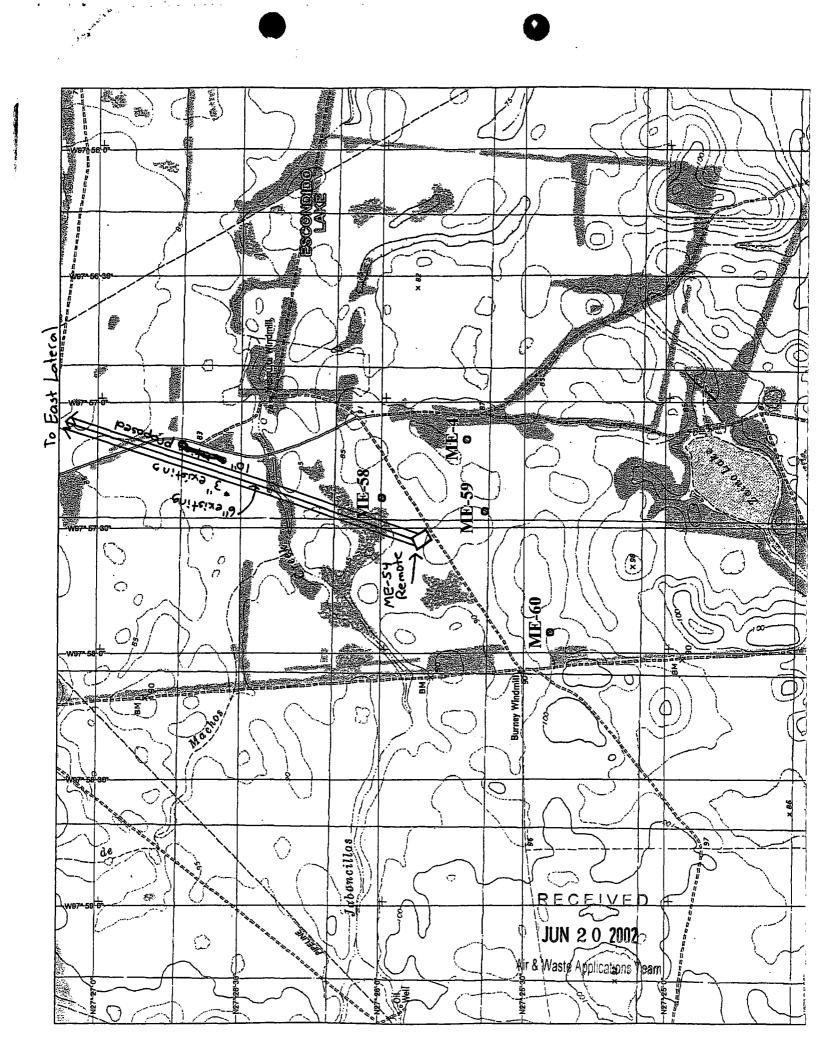
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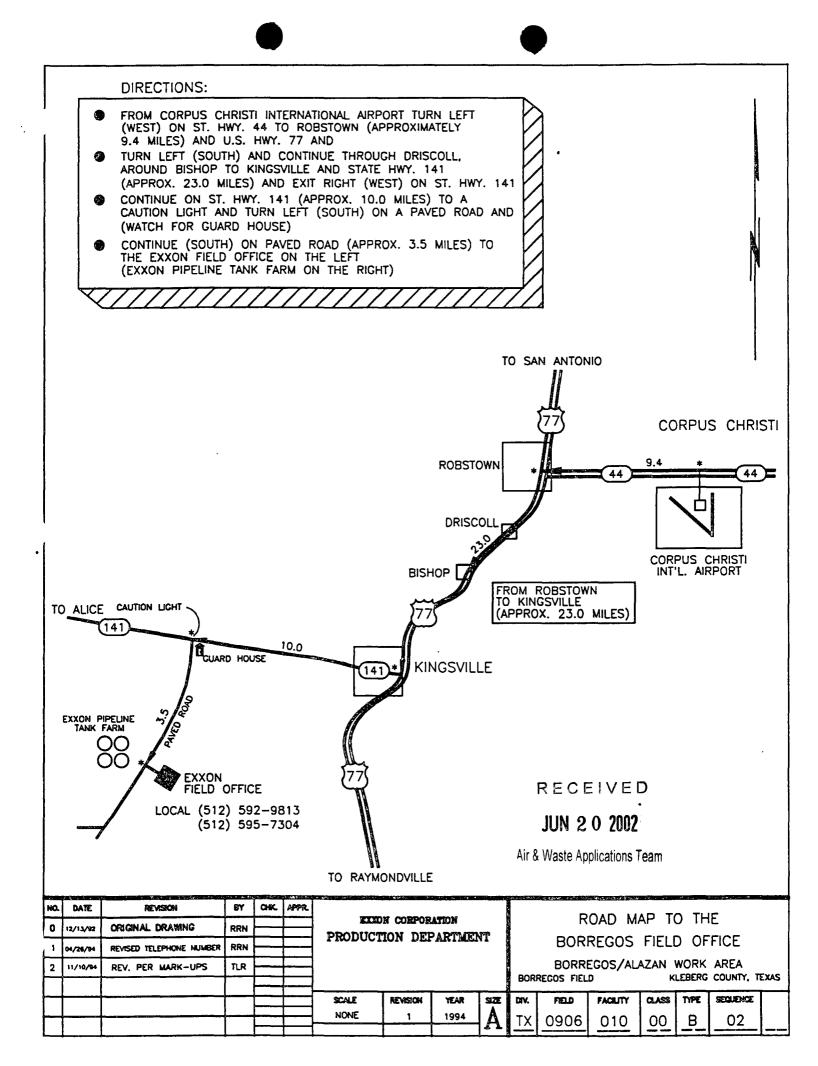
Area Map & Plot Plan

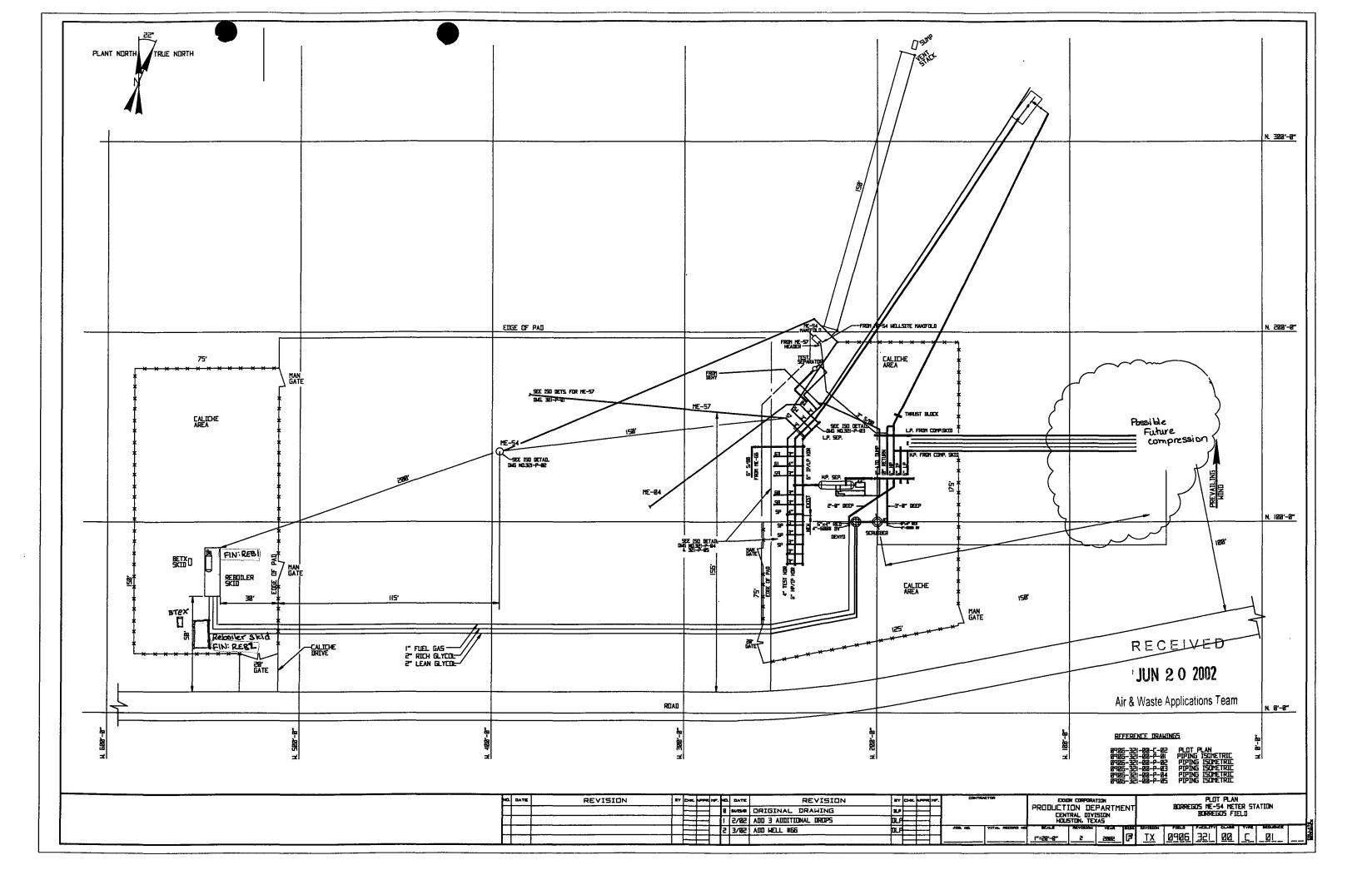
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NSR Termit/Registration Application Processing Checklist

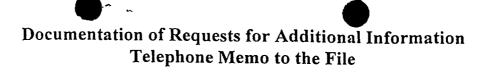
Phase	1:
9	Application/Permitting Request date stamped on Team received date.
0	Verified appropriate and current application PI form, or letter for Alterations. (Return any non -reg PBR's without PI-7 and any letters without PI-7 forms for unconfirmed (denied) PBRs).
B .	Application Entered into IMS on Received Date, no later than Noon (see NSR guidance information and central registry data standards.) researched site specific account number to complete entry (use PSDB and IMS for research of site) researched applications to ensure not duplicate entry (call tech staff or applicant to confirm before creating a new project if you cant' make the determination (no assumptions))
	For Portables: Identified existing account number Assigned a new account number and logged it in paradox account number log and enter record in PSDB.
	Mikey has been placed in file and each field has been verified to conform with the agency data standards, US postal service address standards, and appropriate information as supplied by the applicant.
9	assign new permit number or determine existing number (For changes to issued PBR's, use the same registration number and project type code XLTR; use a new number if the original PBR claim was never issued)
	 If existing permit number, select "version". If new, select "from sequence" If project type will not result in a new NSR permit/registration select "No Version" (example: a waste project; start of operation notification; transfer, etc.) For Portables, go to project attributes indicating portable, then assign permit no. by selecting 1) "from sequence" if assigning first version, and 2) "version" if existing permit; then and "L" will appear with the next version number, which is three digits starting with 001.
۵	Problems for Phase 2 to address as noted above.
	Notes for Phase 2 to address (address the specific problem & what you already researched): Problem with official contact name Problem with Account number Contact address not entered - appear incorrect Nearest City or County problem Address not in USPS system as valid
Prepar	Multiple Project Records (Mikies) Included. (Make sure each project record is updated throughout the process.) (Account Nos. starting with "9" for portable facilities usually have the multiple projects) ed file folder (Applies to all application types to ensure the complete package with Mikey stays together in transit.):
2	Used appropriate labels for specified for PBR, Permitting and Confidential folders
Q ·	Printed File label contains the: Name County Account Number Registration/Permit No. Regulated Entity No. (If applicable) (Phase 2 will need to add it to label)
0	Prepared Confidential file folder stamped folder with confidential stamp and cross-reference confidential materials in open file prepared file label to indicate confidential documents confidential file not applicable
Place 1	project in chronologic date by project type to begin phase 2;

Phase 2: Obtained Core Data Form, if needed. (Follow procedures to get RN/CN Number if needed) Verified Applicants' Legal Name as needed (using guidance document) (Name must be confirmed before further processing) Spelling of applicants' legal name is correct on application For Individuals, complete name of individual has been provided. For Companies, complete legal name as registered with SOS have been provided. Charter number as provided by SOS 3362806 Status confirmed as Active with SOS If charter number not provided and name does not match with SOS filing: Called applicant to confirm correct information Documented information provided by SOS on phone memo in file. Governmental Agency (City, County, Federal etc.), Rail Roads, Insurance Companies, and Banks (no verification required but use consistent entry of full name in IMS- use agency data standards for abbreviations.) 0 Documented confirmation from applicant of correct legal name or other information on phone memo in file (if name is found to be different than provided on the PI form, the applicant must correct it) Prepared and faxed Account/RN/CN Request Form (if applicable). placed copy of fax confirmation and request in application file Q updated IMS tracking element code to indicate date Account/RN request sent made sure the request indicates the appropriate contact for returning the number updated IMS tracking element code to indicate date Account/RN request received updated the Account/RN/CN Number in IMS not applicable Prepared and faxed Site Review/Request for Comment (see processing chart) placed copy of fax confirmation and SR/RFC in application file made sure the SR/RFC request indicated the appropriate contact for returning the review sent SR/RFC to appropriate local program if applicable Entered IMS SR/RFC and local program tracking elements and date sent in IMS SR/RFC not applicable Applicant indicated on the PI Form that copies of application were sent to appropriate regional office and other entities as required on application. (Does not apply to action where PI Form is not required.) If no, called applicant to request copies be sent as required and document phone call on attached phone memo. Verified original signature on application. Applies only to PI-1 forms (Faxed PBRs are acceptable.) Verified fee Payment and updated amount and date in IMS (see processing chart for applicability) placed fee receipt in application folder fee not applicable Deficiencies with applications: Noted phone call(s) on attached memo documenting requested information and response (put date by each call). Entered date of phone call in IMS using the admin deficient tracking element, then the A-telcom for additional Entered date in admin deficient tracking element when applicant responds to request for information. Public Notice not Applicable (see processing chart for applicability) For Amendment Applications where Public Notice is not applicable: Prepared State Rep and Senate Letter (HB2518 requirement) and envelop Enter Leg Letter tracking element in IMS Put copies of Leg Letters in file with application. Place letters in file for proofing when file is being proofed for transfer.

Continuation of Phase 2 - The following items only apply to projects requiring public notice:

	For Pe	rmits with terms, confirmed that the permit has not expired. Permits expired must be process for a new permit			
	Verific update	Verified appropriate notice information has been provided (if applicable). (Ensure the applicant provides any corrections updates to the application in writing (fax or hard copy). Do not fill in any part of the application yourself)			
٠	0 0	public place for viewing and copying application in county where located is provided person representing applicant identified as contact in public notice person responsible for publishing notice identified			
a	Prepar	ed public notice package as checked off below:			
		right side of folder in following order included: Legislative notification letters and envelopes Public Notice Cover Letter to Applicant Public Notice and Sign Postings (Examples) Instructions & Affidavits Address Labels Contacts Sheet (Blue paper) Spanish Shell provided (if applicable)			
	٥	left side of folder in following order included: Application Routing information (Blue paper) fax confirmation sheet written note on fax confirmation indicating person you spoke with confirming fax as received, date and time of call copy of fax to review draft notice copy of Bilingual Notice Determination sheet fax with draft notice language (for CCO to know to expect bilingual notice)			
a	Prepar	ed fax with draft public notice and sent to applicant for confirmation. called applicant to ensure receipt of fax and need to follow up (stress sense of urgency-give 24 hour due date) placed copy of confirmation fax in the permit application folder faxed spanish notice shell to applicant if confirmation fax indicates required. If other language, indicate applicant's responsibility to have translated.			

Confirm	ned IMS updates and tracking elements with dates as indicated (as applicable):
	Enter tracking element in IMS for Site Review using A-Site Review and date sent
	Enter tracking element in IMS for Request for Comment using A-RFC and date sent
	Enter Local Program Site Review/RFC using appropriate local program tracking element in IMS and date sent
ركق	Enter Account Number (ARF) tracking element in IMS
	Entered Account number assigned by Region & Portable assigned by Team
<u> </u>	Admin Def. date/phone calls for information or clarification - tracking element A-Admin Def Cycle
	Additional phone calls date using A-TELCOM
	Enter date of response received from applicant using tracking element A-Admin Def Cycle
G,	Verified Applicant and Contact information for accuracy
3	Verified entry of applicant's legal name, to be correct spelling, in IMS & PSDB
	PAR transfer date
The foll	owing tracking elements in IMS are only required when Public notice is required:
۵	Enter A-Comp History RFC for Compliance History request and enter date sent
	Enter A-ADMIN Comp w/Notice and admin complete date
	Enter A-Admincomp tracking element and Admin Complete date
	Entered A-PN Draft when draft public notice was faxed
	Entered A-PN Draft Approved when you receive approval of the draft from applicant
	Flagged "Yes" for PN
n	Flagged "Ves" for hillingual notice required



· .		
Call To:		
Call From:		
File No:	•	•
Applicant Name:		
Phone number :		!
·		
		
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