



**DCP Operating Company, L.P.
Seminole Booster Station
NSR Permit 92347 Renewal
Gaines County, Texas**

**TCEQ Account No. GA-0097-M
CN601229917/RN102591625**

March 2020

Prepared for:

DCP Operating Company, LP
10 Desta Drive, Suite 500W
Midland, Texas 79705



Prepared by:

Alliant Environmental, LLC
1842 Snake River Road
Katy, Texas 77449



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ACRONYMS AND ABBREVIATIONS

BACT	Best Available Control Technology
Btu/scf	British Thermal Units per Standard Cubic Feet
CO	Carbon Monoxide
EPA	Environmental Protection Agency
EPN	Emission Point Number
gpm	Gallons per Minute
gr/dscf	Grains per Dry Standard Cubic Foot
HAP	Hazardous Air Pollutant
lb/Btu	Pounds per British Thermal Units
lb/hr	Pounds per Hour
lb/scf	Pounds per Standard Cubic Foot
MACT	Maximum Achievable Control Technology
MMBtu/hr	Million British Thermal Units per Hour
NESHAPS	National Emission Standards for Hazardous Air Pollutants
NNSR	Non-attainment New Source Review
NO _x	Nitrogen Oxides
NSPS	New Source Performance Standards
PBR	Permits by Rule
PM/PM ₁₀	Particulate Matter & Particulate Matter < 10 microns
ppm	Part Per Million
ppmv	Part Per Million Volume
PSD	Prevention of Significant Deterioration
SO ₂	Sulfur Dioxide
TAC	Texas Administrative Code
TCEQ	Texas Commission on Environmental Quality
tpy	Tons per Year
VOC	Volatile Organic Compounds

1. Introduction

1.1 General Information

In accordance with 30 TAC §116.111 (Regulation VI) of the Texas Commission on Environmental Quality (TCEQ) Rules and Regulations, DCP Operating Company, LP (DCP) is applying for a New Source Review (NSR) air permit renewal for its Seminole Booster Station, Permit Number 92347. There are no revisions to the permit being requested with this application.

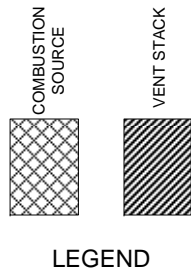
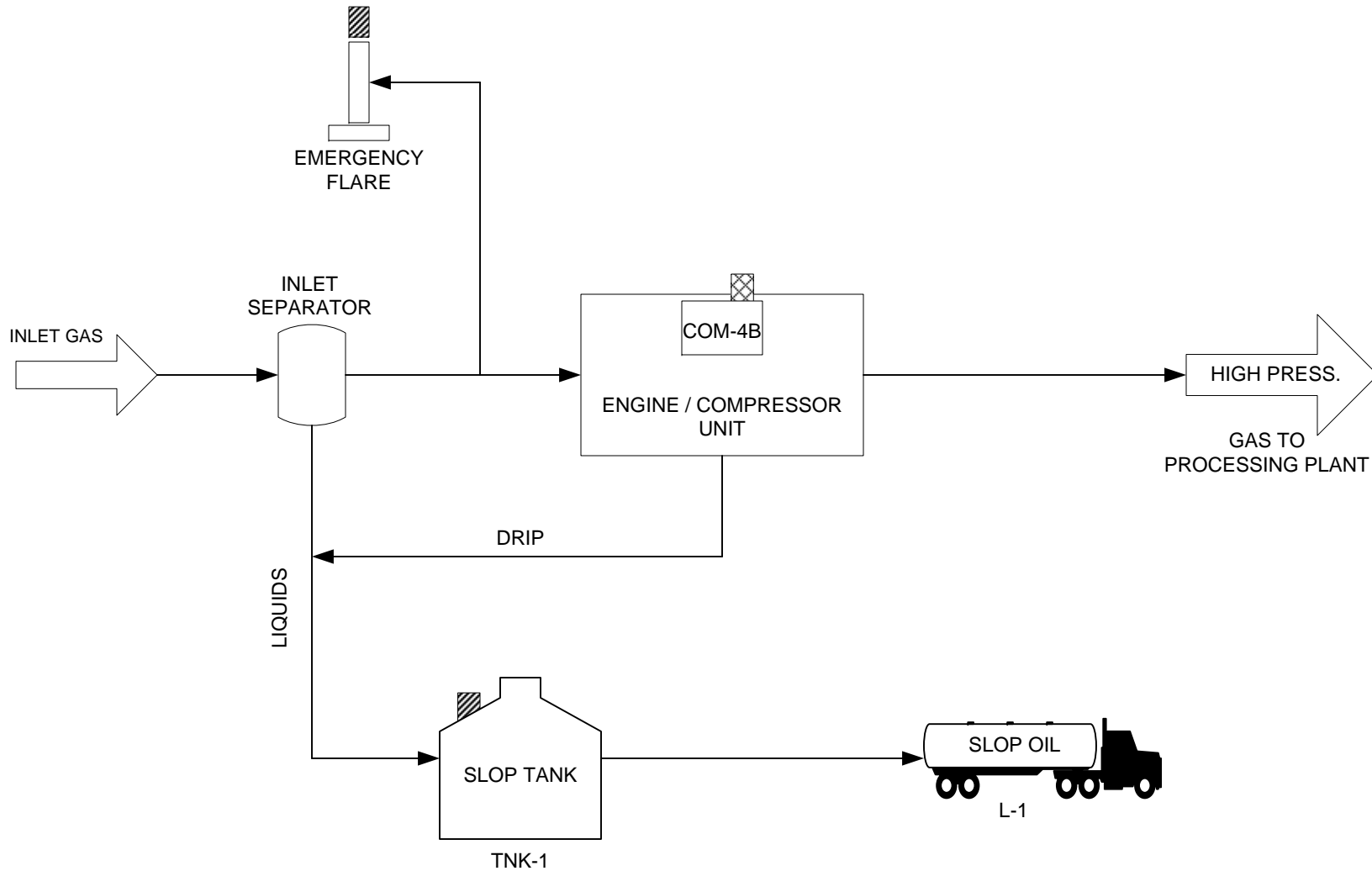
This document includes all required information pertaining to the project. This submittal includes a Form PI-1 General Application, Core Data Form, process flow diagram, process description, area map, plot plan, permit fee, a copy of the current NSR permit, and any other 30 TAC §116.111 General Application requirements.


2. Process Description & Process Flow Diagram

2.1 Overview

DCP Operating Company, LP (DCP) owns and operates the Seminole Booster Station in Gaines County, Texas. The Seminole Booster Station is a natural gas gathering and compression facility.

The site receives natural gas via pipeline, which enters the facility through an inlet separator. The separator removes liquids from the inlet stream. The liquids from the separator are routed to a slop oil storage tank (EPN: TNK-1). The liquids in the tank are periodically transferred offsite via truck loadout (EPN: L-1). The gas from the inlet separator is routed to one internal combustion engine (EPN: COM-4B), where the pressure is increased for pipeline transmission offsite. The engine burns sweet residue gas, piped to the facility. Other emissions sources at the station include a maintenance/emergency flare (EPN: FLARE), fugitive emissions from component leaks (EPN: FUG-4), additional storage tanks, and maintenance, startup and shutdown emissions which are authorized under PBR §106.359.



 1842 Snake River Road Katy, TX 77449			Process Flow Diagram		
			Seminole Booster Station: NSR Renewal Application		
Scale: Drawing Not to Scale			Drawn by: MDF		Date: 2/21/2020
			Chk'd by:		Date:
Project No.: 047-096		File Name: Seminole Figures		Figure: Figure 2-1	

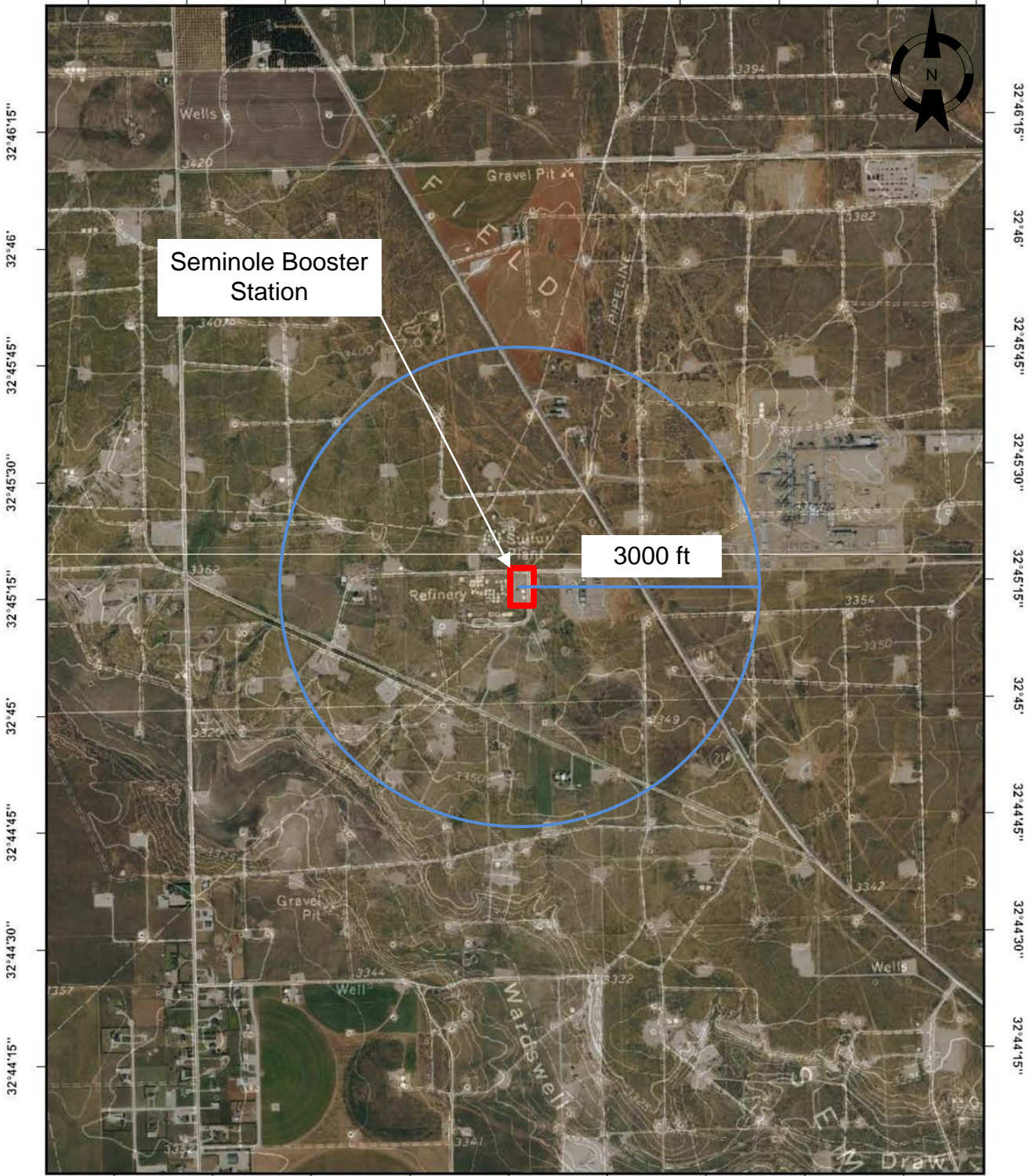
3. Project Discussion

3.1 Project Summary

This permit application has been prepared to renew the existing NSR permit for the Seminole Booster Station, permit number 92347, under a renewal certification. There are no revisions being made to the permit with this application.

4. Area Map

102°42'45" 102°42'30" 102°42'15" 102°42' 102°41'45" 102°41'30" 102°41'15" 102°41' 102°40'45" 102°40'30"



102°42'45" 102°42'30" 102°42'15" 102°42' 102°41'45" 102°41'30" 102°41'15" 102°41' 102°40'45" 102°40'30"

Universal Transverse Mercator (UTM) Projection Zone 13
North American Datum of 1983

1:20000 scale

0 0.2 0.4 0.6 0.8 1 Miles

0 0.2 0.4 0.6 0.8 1 Kilometers

Magnetic declination of 4E at center of map on March 17, 2011



Area Map

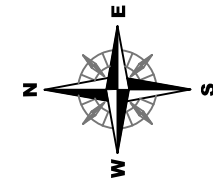
DCP Operating Company, LP

Scale: 1:20,000	Drawn by: MDF	Date: 2/21/2020
	Chk'd by:	Date:

Seminole Booster Station
N 32° 45' 15" Latitude
W 102° 41' 42" Longitude

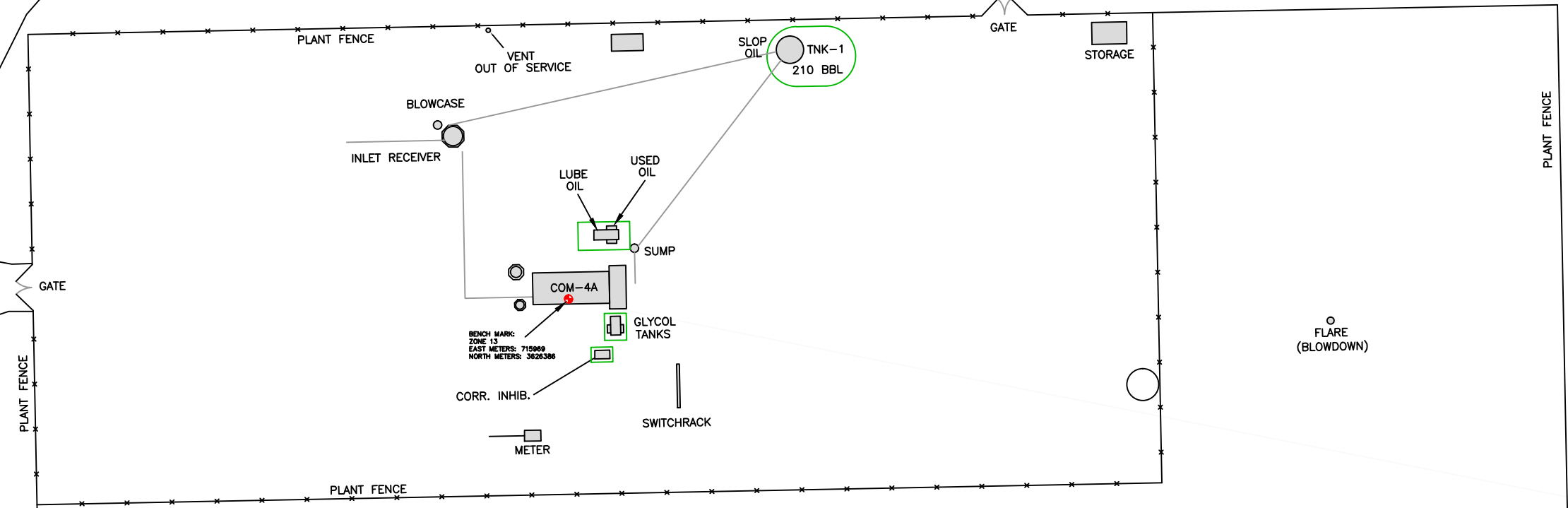
Project No.:	File Name:	Figure:
047-096	Seminole Figures	Figure 4-1

5. Plot Plan



TO SR-214

ACCESS RD



PLOT PLAN

REV	DATE	REVISION	BY	CHK'D	ENGR.	ENGR. MGR.	REV	DATE	REVISION	BY	CHK'D	ENGR.	ENGR. MGR.
0	06-22-04	DRAWN FROM FIELD NOTES	G.S.										
1	7-13-05	ADDED GLYCOL TANK 2 PER K.K. FIELD SKETCH	J.R.E.	K.A.K.									
2	3-26-07	LIKE KIND REPLACEMENT OF COM-4 WITH COM-4A	J.R.E.	B.S.T.									
3	4-26-10	ADDED BENCH MARK & SCALE	J.R.E.	L.K.M.									



SEMINOLE BOOSTER STATION
FULLERTON GATHERING SYSTEM

Gaines County
TEXAS

\\data\EhsDrawings\Mapping\Texas\Permian\Fullerton\Seminole_Plot

6. Emission Estimates

As the emission sources included in NSR Permit Number 92347 are not being revised and this application is being submitted as a renewal certification, emission calculations are not required to be submitted with this application (see Form PI-1 General Application). Emissions rates will remain as currently permitted. A copy of the current NSR permit is included in Appendix A.

7. NNSR & PSD

7.1 Non-Attainment New Source Review (NNSR)

The Seminole Booster Station is located in Gaines County which is designated as an attainment area. Because the Seminole Booster Station is located in a county designated as attainment, NNSR regulatory requirements do not apply.

7.2 Prevention of Signification Deterioration (PSD)

The Seminole Booster Station is not one of the 28 named sources in 40 CFR 52.21(b)(1). Site-wide emissions are less than the 250 tpy Prevention of Significant Deterioration (PSD) threshold and as this project does not involve any increase in the site's emissions, capacity or throughput, a PSD review has not been triggered and PSD regulatory requirements do not apply.

8. Regulatory Applicability

8.1 Compliance with TCEQ Rules and Regulation

General Provisions, 30 TAC §101

The emissions from this facility will comply with all rules and regulations of the TCEQ and with the intent of the Texas Clean Air Act, including protection of the health and physical property of the people. There are no elementary, junior high, or senior high schools within 3,000 feet of the facility.

30 TAC §111 - Control of Air Pollution from Visible Emissions and Particulate Matter

Operation of the facility's air emission sources will comply with all applicable sections of 30 TAC §111. Compliance is certified through opacity observations and, if necessary, additional periodic monitoring requirements to ensure there are no visible emissions in excess of opacity limits specified in 30 TAC Chapter 111.

30 TAC §112 - Control of Air Pollution from Sulfur Compounds

The facility will not exceed the levels established in 30 TAC §112 nor will they cause exceedances of the ground level concentrations included in the regulation.

30 TAC §113 - Control of Air Pollution from Toxic Materials

The facility does not meet any of the requirements needed to comply with 30 TAC Chapter 113; therefore, this regulation is not applicable.

30 TAC §114 - Control of Air Pollution from Motor Vehicles

Not applicable as there are no mobile sources associated with this project.

30 TAC §115 - Control of Air Pollution from Volatile Organic Compounds

The facility is not located in the Beaumont/Port Arthur, Dallas/Ft. Worth, El Paso, or Houston/Galveston area or in one of the covered attainment counties. Therefore 30 TAC 115 is not applicable.

30 TAC §116 - Control of Air Pollution by Permits for New Construction or Modification

This permit application is intended to comply with the requirements of this regulation.

30 TAC §117 - Nitrogen Compounds

The site is not located in the Houston/Galveston nonattainment area and is not classified as a major source of NO_x; therefore, it is not subject to the requirements of this chapter.

30 TAC §118 - Control of Air Pollution Episodes

A generalized air pollution episode is a widespread condition of air pollution that requires immediate action to protect human health or safety. An air pollution episode is not expected to occur from the operation of the Seminole Booster Station. In the event of an air pollution episode, DCP will comply with the applicable requirements of §118.

30 TAC §122 - Federal Operating Permits

The Seminole Booster Station is not a Title V source; therefore, an SOP Permit has not been issued for the site.

8.2 Best Available Control Technology (BACT)

As there are no revisions to facility emissions or processes being proposed, a BACT analysis is not required at this time. DCP will evaluate if a BACT analysis is required for any future projects.

8.3 New Source Performance Standards (NSPS)

There are not any sources at the station subject to any Subpart of 40 CFR Part 60. The slop tank storage tank handles condensate prior to custody transfer and is less than the applicability volume of 1,590 cubic meters (420,000 gallons); therefore, Subpart Kb is not applicable. In addition, all other tanks/totes onsite do not meet the storage capacity thresholds under Subpart Kb. The engine onsite commenced construction prior to June 12, 2006; therefore, Subpart JJJJ is not applicable.

8.4 National Emission Standards for Hazardous Air Pollutants (NESHAPs)

Federal NESHAP regulations promulgated pursuant to Section 112 of the CAA are found in 40 CFR Parts 61 and 63. In general, NESHAP, or Maximum Achievable Control Technology (MACT) standards apply to major stationary sources of HAP emissions, defined as potential-to-emit of 10 tons or more per year of any single HAP or 25 tons or more per year of any combination of HAP. The Seminole Booster Station is considered a minor source of HAPs and there are no NESHAP applicable to the site.

8.5 NESHAPs for Source Categories (MACT)

The Seminole Booster Station is a minor source of Hazardous Air Pollutants (HAPs) since emissions of any individual HAP is less than 10 tpy and total HAP emissions are less than 25 tpy. The engine onsite (COM-4B) is an existing, 800-horsepower, 4SRB engine and must comply with Subpart ZZZZ requirements. DCP will continue to comply with any applicable requirements under Subpart ZZZZ for the engine.

8.6 Facility Performance Demonstration

The proposed permit renewal will satisfy all initial and ongoing compliance requirements appearing in the permit provisions.

8.7 Non-attainment Review

Not Applicable. See Section 7.1.

8.8 Prevention of Significant Deterioration (PSD)

Not Applicable. See Section 7.2.

8.9 Impacts Analysis

Not applicable as this is an application for permit renewal and there are no revisions being proposed in this application. Air dispersion modeling was last performed with the April 2010 NSR revision application.

9. Permit Fee

Since the fee for renewal is based on the total annual allowable emissions from the permitted facility, the permit fee due is calculated to be \$2,024.08. Please see the Form PI-1 General Application for the review fee calculation.

10. Professional Engineer (P.E) Seal

As required in the Form PI-1 General Application, capital projects with a cost exceeding \$2,000,000 must submit a professional engineer seal with the permit application. As there are no costs associated with this project, the seal of a professional engineer is not required.

APPENDIX A

Copy of NSR Permit Number 92347

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



RECEIVED

DEC 28 2010

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

DCP Midstream
Environment Health & Safety

December 20, 2010

MR MARTIN W SMITH
SENIOR ENVIRONMENTAL SPECIALIST
DCP MIDSTREAM LP
370 17TH ST STE 2500
DENVER CO 80202-5604

Re: Permit Alteration
Permit Number: 92347
Seminole Booster Station
Seminole, Gaines County
Regulated Entity Number: RN102591625
Customer Reference Number: CN601229917
Account Number: GA-0043-M

Dear Mr. Smith:

This is in response to your letter received October 22, 2010, requesting alteration of the conditions and maximum allowable emission rates table (MAERT) of the above-referenced permit. We understand Special Condition No. 6 and flare emissions are corrected.

As indicated in Title 30 Texas Administrative Code § 116.116(c) [30 TAC § 116.116(c)], and based on our review, Permit Number 92347 is altered. Enclosed are the altered permit conditions and MAERT to replace those currently attached to your permit. Please attach these to your permit.

No planned maintenance, startup, and shutdown emissions have been reviewed or represented in this application and none are authorized by this permit.

As of July 1, 2008, all analytical data generated by a mobile or stationary laboratory in support of compliance with air permits must be obtained from a NELAC (National Environmental Laboratory Accreditation Conference) accredited laboratory under the Texas Laboratory Accreditation Program or meet one of several exemptions. Specific information concerning which laboratories must be accredited and which are exempt may be found in 30 TAC § 25.4 and § 25.6.

Mr. Martin W. Smith

Page 2

December 20, 2010

Re: Permit Number 92347

For additional information regarding the laboratory accreditation program and a list of accredited laboratories and their fields of accreditation, please see the following Web site:

http://www.tceq.state.tx.us/compliance/compliance_support/qa/env_lab_accreditation.html

For questions regarding the accreditation program, you may contact the Texas Laboratory Accreditation Program at (512) 239-3754 or by e-mail at labprgms@tceq.state.tx.us.

Your cooperation in this matter is appreciated. If you need further information or have any questions, please contact Mr. Stephen E. Anderson, P.E., at (512) 239-1287 or write to the Texas Commission on Environmental Quality, Office of Permitting and Registration, 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,



Steve Hagle, P.E., Director
Air Permits Division
Office of Permitting and Registration
Texas Commission on Environmental Quality

SH/SEA/kp

Enclosures

cc: Air Section Manager, Region 7 - Midland

Project Number: 160984

SPECIAL CONDITIONS

Permit Number 92347

EMISSION STANDARDS

1. This permit authorizes emissions only from those points listed in the attached table entitled "Emission Sources - Maximum Allowable Emission Rates," and the facilities covered by this permit are authorized to emit subject to the emission rate limits on that table and other operating requirements specified in the special conditions.
2. Condensate produced at this site shall be loaded into tank trucks using submerged fill with a maximum rolling annual 12-month throughput not to exceed 105,840 gallons.
3. Maximum rolling 12-month tank liquid condensate throughput is limited to 105,840 gallons from condensate storage tank (TNK-1). Records of monthly liquid condensate throughput (based on tank truck loadout volumes) shall be maintained monthly and be made readily available at the request of Texas Commission on Environmental Quality (TCEQ) personnel at the nearest administrative office of the permit holder.
4. Records of speciated hazardous air pollutants (HAPs) emitted from this site shall be updated two times per rolling 12 months and records kept at the Fullerton plant site on a rolling 24-month basis. Records of the results the speciated HAPs calculations shall be kept at the Fullerton plant site on a rolling two-year basis. Total single HAP emissions from this site shall not exceed 10 tons per year (tpy) and total combined HAPs emissions from this site shall not exceed 25 tpy.
5. The holder of this permit shall submit to the TCEQ Regional Air Program Manager or his representatives within sixty days of permit issuance documentation which demonstrates that the holder is achieving compliance with all the conditions of this permit. This documentation shall consist of statements explaining how each requirement of each condition is being met. It will include a sample of each record sheet with up-to-date entries required to be maintained by any general or special condition and a listing of all testing required with test dates.
6. Daily maximum gas throughput for equipment authorized in this NSR permit is limited to 8.00 million standard cubic feet (MMSCF) per day. Daily maximum throughput records in units of MMSCF per day shall be kept at at the nearest administrative office of the permit holder to demonstrate compliance with this special condition and shall be made readily available at the request of Texas Commission Environmental Quality (TCEQ) personnel.
(12/10)
7. The emissions from the compressor engine designated as EPN COM-4A at this site is limited as follows on an hourly and annual basis to a maximum of 3.00 grams per brake horsepower hour (g/bhp-hr) hourly carbon monoxide (CO), 2.00 g/bhp-hr NO_x, and 1.00 g/bhp-hr VOC.

SPECIAL CONDITIONS

Permit Number 92347

Page 2

8. The sweet gas fired compressor engine identified as EPN COM-4A shall be equipped, operated and maintained as a spark-ignited gas-fired or compression-ignited dual fuel-fired. This engine shall be equipped with an automatic air-fuel ratio (AFR) controller which maintains AFR in the range required to meet the emission limits of special condition number seven. An AFR controller shall be deemed necessary for this engine controlled with a non-selective catalytic reduction (NSCR) converter and for applications where the fuel heating value varies more than ± 50 British thermal unit/standard cubic feet from the design lower heating value of the fuel. If an NSCR converter is used to reduce NO_x , the automatic controller shall operate on exhaust oxygen control.
9. Fuel use for the gas fired compressor engine designated as EPN COM-4A is limited to sweet natural gas containing no more than 0.25 grain total sulfur per 100 dry standard cubic feet. The use of any other fuel will require an amendment to this permit.
10. In order to demonstrate that the emission limits specified in Special Condition No. 7 are continuously met for the EPN designated as COM-4A, the holder of this permit shall perform the following:

Conduct a quarterly evaluation of engine performance at full load and speed for the engine by measuring the NO_x , CO, and O_2 content of the exhaust. The first quarterly test shall take place within ninety days of permit issuance. The use of portable analyzers specifically designed for measuring the concentration of each contaminant in parts per million is acceptable for this evaluation. A hot-air probe or equivalent should be used with the portable analyzers to prevent introduction of error in results because of high stack temperatures. Three sets of measurements should be averaged to determine the NO_x , CO and O_2 concentrations. Prior to and following the measurements, the portable analyzer shall be checked for accuracy using an audit gas that conforms to the specifications in Title 40 Code of Federal Regulations Part 60, Appendix F 5.1.2 (3). Any other method approved by the TCEQ Regional Director is also acceptable. Exhaust flow rate may be determined from measured fuel flow rate and EPA Method 19. California Air Resources Board Method A-100 (adopted June 29, 1983) is an acceptable alternate to EPA test methods. Modifications to these methods will be subject to the prior approval of the TCEQ Regional Director.

Emissions shall be measured and recorded in the as-found operating condition, except no compliance determination shall be established during start-up, shutdown or under breakdown conditions. Emission rates shall be calculated using metered fuel and theoretical exhaust flows. Emission rates shall be reported in parts per million by volume, in brake specific units of g/horsepower per hour and in units of pound per hour.

SPECIAL CONDITIONS

Permit Number 92347

Page 3

11. Records shall be created and maintained by the permit holder for a period of at least two years, made readily available, upon request, to TCEQ personnel for the compressor engine identified as EPN COM-4A and shall include the following:
 - A. Documentation for the AFR controller, manufacturer's or supplier's recommended planned maintenance that has been performed, including replacement of the oxygen sensor as necessary for oxygen sensor-based controllers. The oxygen sensor shall be replaced at least quarterly in the absence of a specific written recommendation;
 - B. Documentation on proper operation of the engine by recorded measurements of NO_x and CO emissions as soon as practicable, but no later than seven days following each occurrence of planned engine maintenance which may reasonably be expected to increase emissions, changes of fuel quality in engines without oxygen sensor-based AFR controllers which may reasonably be expected to increase emissions, oxygen sensor replacement or catalyst cleaning or catalyst replacement. Portable NO_x and CO analyzers are acceptable for this documentation.
12. The flare designated as (EPN FLARE) shall be designed and operated in accordance with the following requirements within one year of permit issuance:
 - A. The flare system shall be designed such that the combined assist natural gas and waste stream to each flare meets the 40 CFR § 60.18 specifications of minimum heating value and maximum tip velocity under normal flow conditions. Any planned maintenance, startup and shutdown activities and emissions are not authorized by this special condition for equipment authorized in this NSR permit. The heating value and velocity requirements shall be satisfied during operations authorized by this permit. Flare testing per 40 CFR § 60.18(f) may be requested by the appropriate regional office (or is required per NSPS Subpart) to demonstrate compliance with these requirements.
 - B. The flare shall be operated with a flame present at all times and/or have a constant pilot flame. The pilot flame shall be continuously monitored by a thermocouple or an infrared monitor. The time, date and duration of any loss of pilot flame shall be recorded. Each monitoring device shall be accurate to, and shall be calibrated at a frequency in accordance with the manufacturer's specifications.
 - C. The flare shall be operated with no visible emissions except periods not to exceed a total of five minutes during any two consecutive hours.

Dated: December 20, 2010

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 92347

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 **
COM-4A	White Superior 8G25 Rich Burn 800 horsepower	CO	5.29	23.18
		NO _x	3.53	15.45
		PM ₁₀	0.12	0.54
		SO ₂	0.01	0.02
		VOC	1.76	7.73
FLARE	Flare - Pilot Fuel Only	CO	0.07	0.30
		NO _x	0.03	0.15
		SO ₂	0.01	0.01
		VOC	0.01	0.02
L-1	Tank Truck Loading Losses	VOC	17.42	0.14
TNK-1	Slop Oil Storage Tank	H ₂ S	0.13	0.07
		VOC	0.64	0.46
FUG-4	Process Fugitives (4)	H ₂ S	0.05	0.23
		VOC	0.64	2.81

- (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) CO - carbon monoxide
H₂S - hydrogen sulfide
NO_x - total oxides of nitrogen
PM₁₀ - particulate matter less than 10 microns in diameter
SO₂ - sulfur dioxide
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

Hrs/day 24 Days/week 7 Weeks/year 52

** Compliance with annual emission limits is based on a rolling 12-month period.

Dated: December 20, 2010

APPENDIX B
TCEQ Form PI-1 and Core Data Form

Form PI-1 General Application

Version 4.0 - 25 FINs

This workbook is a tool available for almost all action types for case-by-case NSR permits (see list below) to streamline the review process. Note: This workbook is required for all applications received on or after June 1, 2019.

Please check our website to be sure you **use the latest version of the workbook** for all the features and accurate information.

Complete the workbook in order of the sheets. Responses and data entered on previous sheets are used throughout the following sheets.

Questions? Contact the Air Permits Division at (512) 239-1250

Types of Permits and Actions Included

The following permit and actions types are included in the Form PI-1 General Application. Using it will streamline the review process and is highly encouraged. Note: This workbook is required for all applications listed below received on or after June 1, 2019.

Permit Type	Action Type
NSR Minor Permit (can be a Title V major source)	Initial
	Amendment
	Renewal
	Renewal Certification
	Renewal/Amendment
	Change of location
	Relocation
	Alteration
Special Construction Permit	Extension to Start of Construction
	Amendment
	Renewal
	Renewal Certification
	Renewal/Amendment
	Alteration
De Minimis	Extension to Start of Construction
	Initial
Flexible Permit	Initial
	Amendment
	Renewal
	Renewal Certification
	Renewal/Amendment
	Alteration
PSD	Extension to Start of Construction
	Initial
GHG PSD	Major Modification
	Initial
	Voluntary Update
Nonattainment	Major Modification
	Initial
HAP (112 g)	Major Modification
	Initial
PAL	Major Modification
	Initial
	Amendment
	Renewal
	Renewal/Amendment

	Alteration
--	------------

Types of Permits and Actions Indirectly Included

These permit types are past the due dates for submitting initial projects. Renewals, amendments, and alteration projects can be submitted and follow the same requirements for the "NSR Minor Permits" listed above (Subchapter D for renewals and Subchapter B for amendments and alterations.) There are no specific questions using the terms below, i.e. no question "Is this a grandfathered facility?" Using the Form PI-1 General Application for these projects will streamline the review process and is highly encouraged. Note: This workbook is required for all applications listed below received on or after June 1, 2019.

Grandfathered Facilities Chapter 116, Subchapter H	Amendment
	Alteration
	Renewal
Electric Generating Facility Chapter 116, Subchapter I	Amendment
	Alteration
	Renewal
Permits for Specific Designed Facilities Chapter 116, Subchapter L	Amendment
	Alteration
	Renewal

Types of Permits and Actions Not Included

The following permit and actions types are not included in the Form PI-1 General Application. Submit these project types in accordance with the applicable rules and guidance. Many of these projects are required to be submitted through STEERS.

<https://www3.tceq.texas.gov/steers/>

Standard Permit Registrations (Chapter 116, Subchapter F)
Permit by Rule Registration and Certification (Chapter 106)
Federal Operating Permits (Chapter 122)
Multiple Plant Permits (Chapter 116, Subchapter J)
NSR Permit Qualified Facility Changes (30 TAC § 116.116(e))
NSR Permit Alternate Means of Compliance (AMOC) (Chapter 115, Subchapter J)

To Submit:

1. Complete all required sections leaving no blanks unless the question is optional. You may use the "tab" button or the arrow keys to move to the next available cell. Use "enter" to move down a line. Note: dropdowns are case-sensitive.
2. Sections of the workbook which are not applicable for this project will be blocked out as data is entered. For example, answering "No" to "Is this a project for a concrete batch plant?" will remove sections of the workbook required only for concrete batch plants. **Note: if you can see the sheet title, there are questions applicable to your project on that sheet.**
3. Follow the directions below to create the required workbook header.
4. **The preferred method for submitting NSR application materials is through STEERS as an ePermit application.**
 When submitting through STEERS:
 - A. An original signature is not needed.
 - B. The system notifies the appropriate regional office and local program of the application materials. You do not need to send anything submitted through STEERS.
 - C. You do still need a hard copy for the public place if notice is required and for other applicable program areas listed on the Copies sheet, such as Federal Land Managers.
 - D. You can submit attachments with the original submittal.
 - E. Confidential information can be submitted without encryption.
5. The PI-1 can also be submitted through email. Email the workbook electronic file to the Air Permits Initial Review Team. The subject line should read "Company Name_Permit Number (don't include if unknown)_NSR Permit Application". The file name should be: Date_ApplicationWorkbook_Company name_Permit number (YYYYMMDD_Application Workbook_Company_Permit#). Email address:

apirt@tceq.texas.gov

5. **Print and sign the "General" sheet if the workbook indicates that an original signature is required. Some projects do not require an original signature and that section will be blocked out. Note, this is the only part of this workbook that is needed by the Air Permits Division as a hard copy. If submitting through STEERS, this step is not required.**
6. Follow the guide on the "Copies" guidance sheet for where to mail the application materials.
7. Do not begin construction until notified by the TCEQ. If the facility is already operating, an air authorization is still needed. Seek an authorization as soon as you become aware that this requirement applies.
8. Updates may be required throughout the review process. Updated workbooks can be submitted electronically. Be sure to change the headers accordingly.

Renewal Projects: Send the application to the TCEQ at least six months but no earlier than 18 months prior to permit expiration. A renewal application may accompany a permit amendment application if the permit is within three years of its expiration date and if the permit amendment is subject to public notice requirements. Facility operation may continue as long as the application and fee are received within the specified deadlines.

Consolidating a Permit within 6 years of expiration requires a Form PI-1 General Application and fee for each permit and will require Public Notice.

If you are requesting to **split one permit into multiple** (move FINs from Permit A to Permit B):

1. Submit two applications: one as an amendment to Permit A to remove the sources and one as an initial project to create Permit B.
2. The Permit A amendment application should contain all the FIN's from the current permit. Those moving to Permit B should be listed as "remove" in column A of the "Unit Types - Emission Rates" sheet.
3. The Permit B initial application should list all the sources to be in the new permit. Those moving from Permit A should be listed as "not new/modified" in column A of the "Unit Types - Emission Rates" sheet (unless you are also requesting changes to those FINs).

To Submit Other Application Materials:

APD's preference is to receive all application attachments electronically through STEERS, email, or FTP. When submitting electronically, hard copy courtesy copies are not needed by APD. Here are some tips:

1. Submit all attachments through STEERS as part of your ePermit application or submit the attachments with your email to APIRT with your Form PI-1 General Application.
2. Submit all workbook files as an electronic workbook (such as Excel) with all formulas viewable for review (rather than a PDF, for example).
3. For files that are too large to submit via email, files can be shared with Air Permits through a secure FTP. You will need to upload the files into the TCEQ FTPs and share the files with APIRT@tceq.texas.gov. Once your project has been assigned, contact your permit reviewer to set up an FTP.
4. If submitting hard copy originals, reference the date and email subject of the PI-1 submittal email.
5. **Confidential files** should be submitted through STEERS, as encrypted files through email or FTP, as a confidential hardcopy, or as a confidential disc or flash drive. All pages must be marked confidential and have confidential in the file name. Confidential submittals must be separate from non-confidential application materials.

Please note that emails sent to the agency are not encryption protected via Secure Sockets Layers by our server and may be subject to interception by common third-party internet tools. Anything marked as confidential will be treated as such by APD staff upon receipt.

See the below link for additional information about submitting via FTP:

<https://ftps.tceq.texas.gov/help/>

Create Headers:

1. Right-click one of the workbook's sheet tabs and "Select All Sheets."
2. Enter the "Page Layout View" by using the navigation ribbon's View > Workbook Views > Page Layout, or by clicking the page layout icon in the lower-left corner of Excel.
3. Add the date, permit number (if known), and company name to the upper-right header. Note that this may take up to a minute to update your spreadsheet. Use a second line if the company name is more than 30 characters.

Printing Tips:

While APD does not need a hard copy of the full workbook (only the General sheet), you may need to print it for sending to the regional offices, local programs, and for public access if notice is required.

1. Do not print any sheets or pages without data entry. For example, do not print the renewal sheet if you are not submitting a renewal project. Also, do not print the entire Unit Types-Emission Rates sheet, only the pages showing the data you have entered.
2. The default printing setup for each sheet in the workbook is set for all columns on one sheet of paper. This will make the printout easier to review for future reference. We have also set the print areas to not include the instructions on each sheet.
3. You have access to change all printing settings to fit your needs and printed font size. Some common options include:
 - Change what area you are printing (whole active sheet or a selection);
 - Change the orientation (portrait or landscape);
 - Change the margin size;
 - Change the scaling (all columns on one sheet, full size, your own custom selection, etc.).

Table of Contents: *Click to jump to that worksheet tab.*

Application Materials

General	General Information for Initial, Amendment, and Change of Location Projects
Renewals	General Information for Renewal Projects
Technical	Technical Information for Initial, Amendment, and Change of Location Projects
Example	Table 1(a) example entries
Unit Types - Emissions Rates	Detailed information for units in this permit, including unit type, EPNs, current and proposed emission rates
Flex Permits	Indicates capped pollutants and the cap contributions of each FIN for flexible permits
Stack Parameters	Stack parameter information for each EPN in this permit
Public Notice	Public Notice Applicability, Required Information, and Small Business Classification
Federal Applicability	A summary of PSD, GHG PSD, and nonattainment applicability
Fees	Estimated Capital Cost and Fee Verification
Impacts	Summary sheet of the impacts analysis conducted for this project
BACT	Minimum Tier I BACT requirements are listed, additional information may be required
Monitoring	Minimum monitoring requirements are listed, additional information may be required
Materials	List of application materials attached to this application workbook

Guidance for completing this workbook **(these do not need to be printed with your application)**

Copies	Requirements for submitting the original and copies of the complete application
Glossary	Key terms and additional instructions for completing this workbook
Acronyms	Key to acronyms used throughout this workbook
Unit Types	List of unit types included in this workbook
Blank Table	A blank Unit Types-Emission Rates sheet to help you organize your list of sources.
Summary	A summary sheet of the project

I. Applicant Information

<p style="color: red; margin: 0;">I acknowledge that I am submitting an authorized TCEQ application workbook and any necessary attachments. Except for inputting the requested data and adjusting row height and column width, I have not changed the TCEQ application workbook in any way, including but not limited to changing formulas, formatting, content, or protections.</p>	I agree
--	---------

A. Company Information

Company or Legal Name:	DCP Operating Company, LP
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Permits are issued to either the facility owner or operator, commonly referred to as the applicant or permit holder. List the legal name of the company, corporation, partnership, or person who is applying for the permit. We will verify the legal name with the Texas Secretary of State at (512) 463-5555 or at:

<https://www.sos.state.tx.us>

Texas Secretary of State Charter/Registration Number (if given):	
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B. Company Official Contact Information: must not be a consultant

Prefix (Mr., Ms., Dr., etc.):	Mr.
First Name:	Samuel
Last Name:	Keen
Title:	Environmental Manager
Mailing Address:	5718 Westheimer Road, Suite 1900
Address Line 2:	
City:	Houston
State:	TX
ZIP Code:	77057
Telephone Number:	(713) 735-3978
Fax Number:	
Email Address:	SEKeen@dcpmidstream.com

C. Technical Contact Information: This person must have the authority to make binding agreements and representations on behalf of the applicant and may be a consultant. **Additional technical contact(s) can be provided in a cover letter.**

Prefix (Mr., Ms., Dr., etc.):	Mr.
First Name:	Samuel
Last Name:	Keen
Title:	Environmental Manager
Company or Legal Name:	DCP Operating Company, LP
Mailing Address:	5718 Westheimer Road, Suite 1900
Address Line 2:	
City:	Houston
State:	TX
ZIP Code:	77057
Telephone Number:	(713) 735-3978
Fax Number:	
Email Address:	SEKeen@dcpmidstream.com

D. Assigned Numbers

The CN and RN below are assigned when a Core Data Form is initially submitted to the Central Registry. The RN is also assigned if the agency has conducted an investigation or if the agency has issued an enforcement action. If these numbers have not yet been assigned, leave these questions blank and include a Core Data Form with your application submittal. See Section VI.B. below for additional information.

Enter the CN. The CN is a unique number given to each business, governmental body, association, individual, or other entity that owns, operates, is responsible for, or is affiliated with a regulated entity.	CN601229917
Enter the RN. The RN is a unique agency assigned number given to each person, organization, place, or thing that is of environmental interest to us and where regulated activities will occur. The RN replaces existing air account numbers. The RN for portable units is assigned to the unit itself, and that same RN should be used when applying for authorization at a different location.	RN102591625

II. Delinquent Fees and Penalties

Does the applicant have unpaid delinquent fees and/or penalties owed to the TCEQ? This form will not be processed until all delinquent fees and/or penalties owed to the TCEQ or the Office of the Attorney General on behalf of the TCEQ are paid in accordance with the Delinquent Fee and Penalty Protocol. For more information regarding Delinquent Fees and Penalties, go to the TCEQ Web site at: https://www.tceq.texas.gov/agency/financial/fees/delin	No
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III. Permit Information

A. Permit and Action Type (multiple may be selected, leave no blanks)

Additional information regarding the different NSR authorizations can be found at:
<https://www.tceq.texas.gov/permitting/air/guidance/authorize.html>

Select from the drop-down the type of action being requested for each permit type. **If that permit type does not apply, you MUST select "Not applicable".**

Provide all assigned permit numbers relevant for the project. Leave blank if the permit number has not yet been assigned.

Permit Type	Action Type Requested (do not leave blank)	Permit Number (if assigned)
Minor NSR (can be a Title V major source): <i>Not applicable, Initial, Amendment, Renewal, Renewal Certification, Renewal/Amendment, Relocation/Alteration, Change of Location, Alteration, Extension to Start of Construction</i>	Renewal Certification	92347
Special Permit: <i>Not applicable, Amendment, Renewal, Renewal Certification, Renewal/Amendment, Alteration, Extension to Start of Construction</i>	Not applicable	
De Minimis: <i>Not applicable, Initial</i>	Not applicable	

Texas Commission on Environmental Quality
Form PI-1 General Application
General

Date: March 2020

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Company: DCP Operating Company, LP

Flexible: <i>Not applicable, Initial, Amendment, Renewal, Renewal Certification, Renewal/Amendment, Alteration, Extension to Start of Construction</i>	Not applicable	
PSD: <i>Not applicable, Initial, Major Modification</i>	Not applicable	
Nonattainment: <i>Not applicable, Initial, Major Modification</i>	Not applicable	
HAP Major Source [FCAA § 112(g)]: <i>Not applicable, Initial, Major Modification</i>	Not applicable	
PAL: <i>Not applicable, Initial, Amendment, Renewal, Renewal/Amendment, Alteration</i>	Not applicable	
GHG PSD: <i>Not applicable, Initial, Major Modification, Voluntary Update</i>	Not applicable	

B. MSS Activities

How are/will MSS activities for sources associated with this project be authorized?	Permit by Rule
List the permit number, registration number, and/or PBR number.	106.359

D. Incorporation of Standard Permits, Standard Exemptions, and/or Permits By Rule (PBR)

To ensure protectiveness, previously issued authorizations (standard permits, standard exemptions, or PBRs) including those for MSS, are incorporated into a permit either by consolidation or by reference. At the time of renewal and/or amendment, consolidation (in some cases) may be voluntary and referencing is mandatory. More guidance regarding incorporation can be found in 30 TAC § 116.116(d)(2), 30 TAC § 116.615(3) and in this memo:

https://www.tceq.texas.gov/assets/public/permitting/air/memos/pbr_spc06.pdf

Are there any standard permits, standard exemptions, or PBRs to be incorporated by reference?	Yes
If yes, list any PBR, standard exemptions, or standard permits that need to be referenced:	106.359

E. Associated Federal Operating Permits

Is this facility located at a site required to obtain a site operating permit (SOP) or general operating permit (GOP) ?	No

IV. Facility Location and General Information

A. Location

County: Enter the county where the facility is physically located.	Gaines
TCEQ Region	Region 7
County attainment status as of Sept. 23, 2019	attainment or unclassified for all pollutants
Street Address:	N/A
City: If the address is not located in a city, then enter the city or town closest to the facility, even if it is not in the same county as the facility.	Seminole
ZIP Code: Include the ZIP Code of the physical facility site, not the ZIP Code of the applicant's mailing address.	79360

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General

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Site Location Description: If there is no street address, provide written driving directions to the site. Identify the location by distance and direction from well-known landmarks such as major highway intersections.	From US-180 (Avenue A) & US-385 (Main St) located in the middle of Seminole TX, drive 4 Blocks W on Avenue A, turn NW and drive 3.4 miles on SR-214 to an Access Rd on the left, turn W and drive 0.2 mile on the Access Rd to the Booster Station on the left.	
Use USGS maps, county maps prepared by the Texas Department of Transportation, or an online software application such as Google Earth to find the latitude and longitude.		
Latitude (in degrees, minutes, and nearest second (DDD:MM:SS)) for the street address or the destination point of the driving directions. Latitude is the angular distance of a location north of the equator and will always be between 25 and 37 degrees north (N) in Texas.	032:45:15	
Longitude (in degrees, minutes, and nearest second (DDD:MM:SS)) for the street address or the destination point of the driving directions. Longitude is the angular distance of a location west of the prime meridian and will always be between 93 and 107 degrees west (W) in Texas.	102:41:42	
Is this a project for a lead smelter, concrete crushing facility, and/or a hazardous waste management facility?	No	

B. General Information

Site Name:	Seminole Booster Station
Area Name: Must indicate the general type of operation, process, equipment or facility. Include numerical designations, if appropriate. Examples are Sulfuric Acid Plant and No. 5 Steam Boiler. Vague names such as Chemical Plant are not acceptable.	Natural Gas Gathering and Transmission (see Unit Types - Emission Rates tab of this workbook)
Are there any schools located within 3,000 feet of the site boundary?	No

C. Portable Facility

Permanent or portable facility?	Permanent
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D. Industry Type

Principal Company Product/Business:	Natural Gas Gathering and Transmission
A list of SIC codes can be found at: https://www.naics.com/sic-codes-industry-drilldown/	
Principal SIC code:	1311
NAICS codes and conversions between NAICS and SIC Codes are available at: https://www.census.gov/eos/www/naics/	
Principal NAICS code:	211111

E. State Senator and Representative for this site

This information can be found at (note, the website is not compatible to Internet Explorer):
<https://wrm.capitol.texas.gov/>

VII. Signature

The owner or operator of the facility must apply for authority to construct. The appropriate company official (owner, plant manager, president, vice president, or environmental director) must sign all copies of the application. The applicant's consultant cannot sign the application. **Important Note: Signatures must be original in ink, not reproduced by photocopy, fax, or other means, and must be received before any permit is issued.**

The signature below confirms that I have knowledge of the facts included in this application and that these facts 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; the Texas Health and Safety Code, Chapter 382; the Texas Clean Air Act (TCAA); the air quality rules of the Texas Commission on Environmental Quality; or any local governmental ordinance or resolution enacted pursuant to the TCAA. I further state that I understand my signature indicates that this application meets all applicable nonattainment, prevention of significant deterioration, or major source of hazardous air pollutant permitting requirements. The signature further signifies awareness that intentionally or knowingly making or causing to be made false material statements or representations in the application is a criminal offense subject to criminal penalties.

Name:	Samuel E Keen
Signature:	
<i>Original signature is required.</i>	
Date:	

I. Type of Permit Renewal and Associated Actions

A. Current Operations	
Do all dockside vessel emissions associated with the facility comply with all rules and regulations of the commission and with the intent of the TCAA, including protection of the health and property of the public and minimization of emissions to the extent possible, consistent with good air pollution practices? (30 TAC § 116.311(a)(1))	N/A
Is the facility being operated in accordance with all requirements and conditions of the existing permit, including representations in the application for permit to construct and subsequent amendments, and any previously granted renewal, unless otherwise authorized for a qualified facility?	Yes
Are there any permit actions pending before the TCEQ?	No
Have any qualified facility changes under 30 TAC § 116.116(e) occurred since originally issued or last renewed?	No
Have emission factors changed since the last permitting action?	No

B. Changes Made Since Last Amendment or Renewal

Have any of the following changes been made to or proposed for the facilities covered by this permit since it was last amended or renewed and are not currently authorized by a PBR, standard permit, or other authorization? *Select "Yes"*

Construction of a new emission source?	No
The emission of new chemical species or a change in character of emissions?	No
An increase in emission rates on a short term or annual basis? (This includes increases of a criteria pollutant as well as increases of a chemical species.)	No
A change in the method of emission control if the emission control is a source itself, such as a thermal oxidizer or flare?	No
Are new pollutants being added in the renewal process, not currently listed in the permit?	No

If "yes" to any question in Section B above is selected, a concurrent permit amendment is required before the permit can be renewed.

II. Federal Regulatory Questions

Indicate if any of the following requirements apply to the proposed facility. Note that some federal regulations apply to minor sources. Enter all applicable Subparts.

A. Title 40 CFR Part 60

Do NSPS subpart(s) apply to a facility in this application?	No

B. Title 40 CFR Part 61

Do NESHAP subpart(s) apply to a facility in this application?	No

C. Title 40 CFR Part 63

Do MACT subpart(s) apply to a facility in this application?	Yes
If applicable, list applicable subparts you will demonstrate compliance with (e.g. Subpart VVVV)	Subpart ZZZZ

III. Renewal Certification

A. Renewal Certification Eligibility Determination

Select "Yes" or "No" to answer each question.

Does the permitted facility emit an air contaminant on the watch list and is the permitted facility located in the area on the watch list?	No
Is the permitted facility required to participate in the Houston/Galveston Area (HGA) cap and trade program for highly reactive VOCs? In addition, do the HRVOCs need to be speciated on the maximum allowable emission rates table (MAERT)?	No
Does the company have an unsatisfactory compliance history?	No
Is the permit a Flexible Permit or an Existing Facilities Flexible Permit?	No
Does this permit require the inclusion of marine loading emissions?	No
Is there a concurrent amendment application being submitted for this permit?	No
Is there a permit amendment application currently under review for this permit?	No
Is the addition of Compliance Assurance Monitoring conditions required with this renewal?	No
Are scheduled maintenance, startup, or shutdown emissions not authorized by PBR or standard permit, required to be authorized in the permit?	No
Are there any facilities that have been shutdown that are proposed to be removed from the permit at the time of renewal?	No
Have the emissions factors changed for any source or have the emissions calculation methodology changed for any source?	No
Is this permit being consolidated into another permit or are other NSR permits being consolidated into this permit as part of this renewal?	No
Is there inclusion of any sources never before identified but always present and previously represented?	No
Are there any changes whatsoever to the current permit special conditions or MAERT being proposed?	No

Texas Commission on Environmental Quality
Form PI-1 General Application
Renewals

Date: March 2020
Permit #: 92347
Company: DCP Operating Company, LP

Are there any Permit by Rule authorizations (30 TAC Chapter 106) or Pollution Control Project Standard Permit authorizations that need or are proposed to be incorporated by consolidation into the permit?	No
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B. Renewal Certification Option

This permit is eligible for Renewal Certification. Continue to the next question.

I acknowledge that my project meets all renewal requirements of 30 TAC § 116.311 and is eligible for Renewal Certification. I choose the Renewal Certification Option. <i>Select "I agree." or "I do not agree."</i>	I agree
--	---------

When submitting the renewal certification application, enclose a copy of the current permit special conditions and maximum allowable emission rates tables.

Note: If comments are received during the public notice comment period, the Renewal Certification Option is no longer available.

E. Concrete Batch Plants

Is this a project for a concrete batch plant?	No
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Texas Commission on Environmental Quality
Form PI-1 General Application
Technical

Date: March 2020
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Texas Commission on Environmental Quality
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Technical

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Texas Commission on Environmental Quality
Form PI-1 General Application
Technical

Date: March 2020
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Company: DCP Operating Company, LP

I. Public Notice Applicability

A. Application Type

Is this an application for a renewal?	Yes



Texas Commission on Environmental Quality
Form PI-1 General Application
Public Notice

Date: March 2020
Permit #: 92347
Company: DCP Operating Company, LP

B. Renewal Certification Only: List all pollutants listed on your current MAERT including any HAPs. These pollutants may be included in the Public Notice.	NOx, CO, VOC, PM10, SO2, H2S
C. Is public notice required for this project as represented in this workbook? If no, proceed to Section III Small Business Classification. Note: public notice applicability for this project may change throughout the technical review.	Yes
D. Are any HAPs to be authorized/re-authorized with this project? The category "HAPs" must be specifically listed in the public notice if the project authorizes (reauthorizes for renewals) any HAP pollutants.	No

II. Public Notice Information

Complete this section if public notice is required (determined in the above section) or if you are not sure if public notice is required.

A. Contact Information

Enter the contact information for the **person responsible for publishing**. This is a designated representative who is responsible for ensuring public notice is properly published in the appropriate newspaper and signs are posted at the facility site. This person will be contacted directly when the TCEQ is ready to authorize public notice for the application.

Prefix (Mr., Ms., Dr., etc.):	Mr.
First Name:	Samuel
Last Name:	Keen
Title:	Environmental Manager
Company Name:	DCP Operating Company, LP

Texas Commission on Environmental Quality
Form PI-1 General Application
Public Notice

Date: March 2020
 Permit #: 92347
 Company: DCP Operating Company, LP

Mailing Address:	5718 Westheimer Road, Suite 1900
Address Line 2:	
City:	Houston
State:	TX
ZIP Code:	77057
Telephone Number:	(713) 735-3978
Fax Number:	
Email Address:	SEKeen@dcpmidstream.com

Enter the contact information for the **Technical Contact**. This is the designated representative who will be listed in the public notice as a contact for additional information.

Prefix (Mr., Ms., Dr., etc.):	Mr.
First Name:	Samuel
Last Name:	Keen
Title:	Environmental Manager
Company Name:	DCP Operating Company, LP
Mailing Address:	5718 Westheimer Road, Suite 1900
Address Line 2:	
City:	Houston
State:	TX
ZIP Code:	77057
Telephone Number:	(713) 735-3978
Fax Number:	
Email Address:	SEKeen@dcpmidstream.com

B. Public place

Place a copy of the full application (including all of this workbook and all attachments) at a public place in the county where the facilities are or will be located. You must state where in the county the application will be available for public review and comment. The location must be a public place and described in the notice. A public place is a location which is owned and operated by public funds (such as libraries, county courthouses, city halls) and cannot be a commercial enterprise. You are required to pre-arrange this availability with the public place indicated below. The application must remain available from the first day of publication through the designated comment period.

If this is an application for a PSD, nonattainment, or FCAA §112(g) permit, the public place must have internet access available for the public as required in 30 TAC § 39.411(f)(3).

If the application is submitted to the agency with information marked as Confidential, you are required to indicate which specific portions of the application are not being made available to the public. These portions of the application must be accompanied with the following statement: **Any request for portions of this application that are marked as confidential must be submitted in writing, pursuant to the Public Information Act, to the TCEQ Public Information Coordinator, MC 197, P.O. Box 13087, Austin, Texas 78711-3087.**

Name of Public Place:	Gaines County Library
Physical Address:	704 Hobbs Highway
Address Line 2:	
City:	Seminole
ZIP Code:	79360
County:	Gaines

Has the public place granted authorization to place the application for public viewing and copying?	Yes
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Texas Commission on Environmental Quality
Form PI-1 General Application
Public Notice

Date: March 2020
Permit #: 92347
Company: DCP Operating Company, LP

III. Small Business Classification

Complete this section to determine small business classification. If a small business requests a permit, agency rules (30 TAC § 39.603(f)(1)(A)) allow for alternative public notification requirements if all of the following criteria are met. If these requirements are met, public notice does not have to include publication of the prominent (12 square inch) newspaper notice.

Does the company (including parent companies and subsidiary companies) have fewer than 100 employees or less than \$6 million in annual gross receipts?	No
Small business classification:	No

Texas Commission on Environmental Quality
Form PI-1 General Application
Fees

Date: March 2020
Permit #: 92347
Company: DCP Operating Company, LP

V. Renewal Fee

The fee for renewal is based on the total annual allowable emissions from the permitted facility to be renewed. If this project includes an amendment, the amendment permit fee will be calculated separately.

Enter the total allowable emissions (tons per year). The total emissions must include those represented in any PBR or standard permits to be incorporated by consolidation into this permit.	51.11
Permit fee due	\$ 2,024.08

VI. Total Fees

Renewal Fee	\$ 2,024.08

VII. Payment Information

A. Payment One (required)	
Was the fee paid online?	Yes
Enter the fee amount:	\$ 2,024.08
Enter the check, money order, ePay Voucher, or other transaction number:	
Enter the Company name as it appears on the check:	DCP Operating Company, LP

Texas Commission on Environmental Quality
Form PI-1 General Application
Fees

Date: March 2020
Permit #: 92347
Company: DCP Operating Company, LP

Texas Commission on Environmental Quality
Form PI-1 General Application
Materials

Date: March 2020
 Permit #: 92347
 Company: DCP Operating Company, LP

Item	How submitted	Date submitted
A. Administrative Information		
Form PI-1 General Application	STEERS	
Hard copy of the General sheet with original (ink) signature	Mail	
Professional Engineer Seal		
B. General Information		
Copy of current permit (both Special Conditions and MAERT)	STEERS	01/00/1900
Core Data Form	STEERS	01/00/1900
Area map		
Plot plan		
Process description		
Process flow diagram		
List of MSS activities		
State regulatory requirements discussion		
C. Federal Applicability		
Summary and project emission increase determination - Tables 1F and 2F		
Netting analysis (if required) - Tables 3F and 4F as needed		
D. Technical Information		
BACT discussion, if additional details are attached		
Monitoring information, if additional details are attached		
Material Balance (if applicable)		
Calculations		
E. Impacts Analysis		
Qualitative impacts analysis		
MERA analysis		
Electronic Modeling Evaluation Workbook: SCREEN3		
Electronic Modeling Evaluation Workbook: NonSCREEN3		
PSD modeling protocol		
F. Additional Attachments		
Area map	STEERS	01/00/1900
Process flow diagram	STEERS	01/00/1900
Plot Plan	STEERS	01/00/1900
Process description	STEERS	01/00/1900
Discussion of Regulatory Requirements	STEERS	01/00/1900
Copy of MSS PBR	STEERS	01/00/1900



TCEQ Core Data Form

TCEQ Use Only

For detailed instructions regarding completion of this form, please read the Core Data Form Instructions or call 512-239-5175.

SECTION I: General Information

1. Reason for Submission <i>(If other is checked please describe in space provided.)</i>		
<input type="checkbox"/> New Permit, Registration or Authorization <i>(Core Data Form should be submitted with the program application.)</i>		
<input checked="" type="checkbox"/> Renewal <i>(Core Data Form should be submitted with the renewal form)</i>		<input type="checkbox"/> Other
2. Customer Reference Number <i>(if issued)</i>	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number <i>(if issued)</i>
CN 601229917		RN 102591625

SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)	
<input type="checkbox"/> New Customer		<input checked="" type="checkbox"/> Update to Customer Information	
<input type="checkbox"/> Change in Legal Name <i>(Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)</i>		<input type="checkbox"/> Change in Regulated Entity Ownership	
<i>The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).</i>			
6. Customer Legal Name <i>(If an individual, print last name first: eg: Doe, John)</i>		<i>If new Customer, enter previous Customer below:</i>	
DCP Operating Company, LP			
7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID (9 digits)	10. DUNS Number <i>(if applicable)</i>
11. Type of Customer:		Partnership: <input type="checkbox"/> General <input checked="" type="checkbox"/> Limited	
<input type="checkbox"/> Corporation		<input type="checkbox"/> Individual	
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> State <input type="checkbox"/> Other		<input type="checkbox"/> Sole Proprietorship <input type="checkbox"/> Other:	
12. Number of Employees		13. Independently Owned and Operated?	
<input type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input checked="" type="checkbox"/> 501 and higher		<input type="checkbox"/> Yes <input type="checkbox"/> No	
14. Customer Role <i>(Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following:</i>			
<input type="checkbox"/> Owner		<input checked="" type="checkbox"/> Owner & Operator	
<input type="checkbox"/> Occupational Licensee		<input type="checkbox"/> Voluntary Cleanup Applicant	
<input type="checkbox"/> Operator		<input type="checkbox"/> Other:	
<input type="checkbox"/> Responsible Party			
15. Mailing Address:	5718 Westheimer Road, Suite 1900		
	City	Houston	State TX ZIP 77057 ZIP + 4
16. Country Mailing Information <i>(if outside USA)</i>		17. E-Mail Address <i>(if applicable)</i>	
		SEKeen@dcpmidstream.com	
18. Telephone Number		19. Extension or Code	20. Fax Number <i>(if applicable)</i>
(713) 735-3978			() -

SECTION III: Regulated Entity Information

21. General Regulated Entity Information <i>(If 'New Regulated Entity' is selected below this form should be accompanied by a permit application)</i>	
<input type="checkbox"/> New Regulated Entity <input type="checkbox"/> Update to Regulated Entity Name <input checked="" type="checkbox"/> Update to Regulated Entity Information	
<i>The Regulated Entity Name submitted may be updated in order to meet TCEQ Agency Data Standards (removal of organizational endings such as Inc, LP, or LLC.)</i>	
22. Regulated Entity Name <i>(Enter name of the site where the regulated action is taking place.)</i>	
Seminole Booster Station	

23. Street Address of the Regulated Entity: <i>(No PO Boxes)</i>							
	City	Seminole	State	TX	ZIP	79360	ZIP + 4
24. County	Gaines						
Enter Physical Location Description if no street address is provided.							
25. Description to Physical Location:							
26. Nearest City						State	Nearest ZIP Code
27. Latitude (N) In Decimal:				28. Longitude (W) In Decimal:			
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds		
29. Primary SIC Code (4 digits)		30. Secondary SIC Code (4 digits)		31. Primary NAICS Code (5 or 6 digits)		32. Secondary NAICS Code (5 or 6 digits)	
33. What is the Primary Business of this entity? <i>(Do not repeat the SIC or NAICS description.)</i>							
34. Mailing Address:	5718 Westheimer Road, Suite 1900						
	City	Houston	State	TX	ZIP	77057	ZIP + 4
35. E-Mail Address:	SEKeen@dcpmidstream.com						
36. Telephone Number		37. Extension or Code		38. Fax Number <i>(if applicable)</i>			
(713) 735-3978				() -			

39. TCEQ Programs and ID Numbers Check all Programs and write in the permits/registration numbers that will be affected by the updates submitted on this form. See the Core Data Form instructions for additional guidance.

<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
<input type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> New Source Review Air	<input type="checkbox"/> OSSF	<input type="checkbox"/> Petroleum Storage Tank	<input type="checkbox"/> PWS
<input type="checkbox"/> Sludge	<input type="checkbox"/> Storm Water	<input type="checkbox"/> Title V Air	<input type="checkbox"/> Tires	<input type="checkbox"/> Used Oil
<input type="checkbox"/> Voluntary Cleanup	<input type="checkbox"/> Waste Water	<input type="checkbox"/> Wastewater Agriculture	<input type="checkbox"/> Water Rights	<input type="checkbox"/> Other:

SECTION IV: Preparer Information

40. Name:	Samuel E Keen	41. Title:	Environmental Manager
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(713) 735-3978		() -	SEKeen@dcpmidstream.com

SECTION V: Authorized Signature

46. By my signature below, I certify, to the best of my knowledge, that the information provided in this form is true and complete, and that I have signature authority to submit this form on behalf of the entity specified in Section II, Field 6 and/or as required for the updates to the ID numbers identified in field 39.

Company:	DCP Operating Company, LP	Job Title:	Environmental Manager
Name <i>(In Print)</i> :	Samuel E Keen	Phone:	(713) 735-3978
Signature:		Date:	

APPENDIX C
MSS PBR 106.359

Equipment Checklist

FacilityName SeminoleBoosterStation

			EquipmentCheck	Notes
Important Dates	Sent out for Review		<input type="checkbox"/>	Please send comments/concerns/questions regarding this permit as soon as possible. The permit will be finalized on the date listed to the left.
	Permit Finalized	1/1/2014	<input type="checkbox"/>	
Facility Information	Sweet or Sour Facility?	Sour	<input type="checkbox"/>	
	Discharge Pressure (psia)	500.0	<input type="checkbox"/>	
	Pipeline Blowdown Volume (scf)	88	<input type="checkbox"/>	
	Tank Flash VOC Concentration (Mass fraction)	0.5989	<input type="checkbox"/>	
Engines*	*Please note if there is a compressor package that limits the rpm of an engine			
	EPN	COM-4B	<input type="checkbox"/>	
	Serial No.	20224	<input type="checkbox"/>	
	Make	Superior	<input type="checkbox"/>	
	Model	8G825	<input type="checkbox"/>	
	controlled	NSCR/AFR	<input type="checkbox"/>	
	bhp	800	<input type="checkbox"/>	
	rpm	900	<input type="checkbox"/>	
Compressor Blowdowns	Number of compressors	1	<input type="checkbox"/>	Compressor Blowdowns are controlled via flare
	Volume of blowdown (scf)	2,500	<input type="checkbox"/>	
	Frequency (events/yr/compressor)	20	<input type="checkbox"/>	
Engine Startup	Number of engines	1	<input type="checkbox"/>	Volume includes 3 tries to start.
	Fuel Type	Field Gas	<input type="checkbox"/>	
	Volume of startup (scf)	324	<input type="checkbox"/>	
	Frequency (events/yr/engine)	20	<input type="checkbox"/>	
Tanks-Atmospheric	EPN	TNK-1	<input type="checkbox"/>	
	Service	Slop Oil	<input type="checkbox"/>	
	Capacity (bbbls)	210	<input type="checkbox"/>	
	Emissions Controlled	No	<input type="checkbox"/>	
Loading	EPN	L-1	<input type="checkbox"/>	
	Atmospheric Vacuum Trucks	Atmospheric	<input type="checkbox"/>	
Pigging	Type	None	<input type="checkbox"/>	
Other MSS Activities	Filters/Strainers	activities/yr	<input type="checkbox"/>	
	12		<input type="checkbox"/>	
	Pipeline Degassing	1	<input type="checkbox"/>	
	Condensate Tank Degassing	1	<input type="checkbox"/>	
	Vacuum Trucks (Condensate Tank Cleanout)	1	<input type="checkbox"/>	
	Vacuum Trucks (Sump Cleanout)	24	<input type="checkbox"/>	

INTER-OFFICE CORRESPONDENCE

To: 1.1.1/TX/Seminole Booster Station

From: Martin W. Smith

Date: January 3, 2014

Re: Unregistered Emissions Claimed under 30 TAC §106.359 – MSS Operations

The maintenance, startup and shutdown (MSS) emissions have been evaluated for Seminole Booster Station and found to meet the requirements for authorization under 30 Texas Administrative Code (TAC) §106.359. Sources at the station are authorized to operate by New Source Review (NSR) Permit Number 92347 most recently issued on December 20, 2010. This letter, the attached calculation workbook and associated documents are intended to support the unregistered PBR authorization thereby satisfying the requirements of 30 TAC §101.222(h)(1)(E) for MSS emissions. Should additional MSS activities be identified in the future DCP Midstream (DCP) will modify this representation as appropriate.

The following is a summary of emissions associated with this unregistered claim for 30 TAC §106.359.

TNK-1-MSS, Slop Oil Storage Tank Degassing

- The tank may be degassed 1 time per year.

FLARE, Maintenance Blowdown Vent

- The maintenance blowdown vent is authorized to vent vapors associated with engine shutdown and compressor blowdowns. The vent is permitted for up to 20 events per year at 2,500 standard cubic feet (scf) per event.
- The blowdown vent is controlled via the site flare

ILE-MSS, Inherently Low Emitting MSS

- DCP conservatively added 0.25 tons per year (tpy) volatile organic compounds (VOC) to the MSS total emissions to account for inherently low emitting (ILE) activities. A list of ILE activities for this site can be found in 30 TAC §106.359(b)(1)-(6).

FUG-MSS, Miscellaneous Fugitive Maintenance Operations

- The storage tanks may be vacuum cleaned 1 time per year.
- The sump may be vacuum cleaned 24 times per year.
- The pipeline may be degassed 1 time per year.
- Filters/Strainers may be degassed 12 times per year.
- Engine startups are authorized for 20 events per year at 324 scf per year.

**SeminoleBoosterStation
EstimatedEmissions(tpy)**

EPN	EquipmentDescription	NO _x	CO	VOC	SO ₂	PM ₁₀	H ₂ S
TNK-1-MSS	SlopOilTankDegassing	-	-	0.05	-	-	<0.01
FLARE	BlowdownVent	0.00	0.02	0.01	0.38	-	0.00
FUG-MSS	FugitiveMSS	-	-	0.18	-	-	0.07
ILE-MSS	InherentlyLowEmittingMSS	-	-	0.25	-	-	-
TotalSiteEmissions:		0.00	0.02	0.49	0.38	-	0.07

**DCPMIDSTREAM
SeminoleBoosterStation
SITEDATASUMMARY**

Facility Name : Seminole Booster Station
Site Type : Booster Station
Complexity : Simple
Asset : Goldsmith
Gathering System : Fullerton
Permit No. (if registerable) : 92347
Registration Date : 12/20/2010

SITE EQUIPMENT DETAILS	
Compressor Blowdown Volume :	2,500 scf
Engine Startup Volume :	324 scf
Frequency of Blowdowns :	20 per compressor/yr
Number of Compressors :	1
Blowdown Control Efficiency :	98 percent
Pipeline Discharge Pressure :	500 psia
Pig Launcher Present :	No
Pig Receiver Present :	No
No. of Tanks at Size 1 :	1
Size 1 Tank Volume :	210 bbls
Tank Contents :	Condensate
Total volume of Condensate Tanks:	210 bbls

**DCPMIDSTREAM
SeminoleBoosterStation
MSSACTIVITYEMISSIONSSUMMARY**

Activity	EPN:	No. of Annual Activities	VOC Emissions (lb/hr)	VOC Emissions (tpy)	Benzene Emissions (lb/hr)	Benzene Emissions (tpy)	H ₂ S Emissions (lb/hr)	H ₂ S Emissions (tpy)
Compressor Blowdown	FLARE	20	1.05	0.01	0.00	0.00	0.41	0.00
Slop Oil Tank Degassing	TNK-1-MSS	1	102.24	0.05	0.10	0.00	21.49	0.00

Activity	EPN:	No. of Annual Activities	NO _x Emissions (lb/hr)	NO _x Emissions (tpy)	CO Emissions (lb/hr)	CO Emissions (tpy)	SO ₂ Emissions (lb/hr)	SO ₂ Emissions (tpy)
Compressor Blowdown	FLARE	20	0.45	0.00	1.80	0.02	37.82	0.38

Activity	EPN:	No. of Annual Activities	Maximum VOC Emissions (lb/hr)	VOC Emissions (tpy)	Maximum Benzene Emissions (lb/hr)	Benzene Emissions (tpy)	H ₂ S Emissions (lb/hr)	H ₂ S Emissions (tpy)
Engine Startup	FUG-MSS	20	6.79	0.07	0.01	0.00	2.67	0.03
Pipeline Degassing	FUG-MSS	1	58.66	0.03	0.10	0.00	23.03	0.01
Filters/Strainers	FUG-MSS	12	13.33	0.08	0.02	0.00	5.24	0.03
Vacuum Trucks (Condensate Tank Cleanout)	FUG-MSS	1	5.27	0.00	0.01	0.00	1.11	0.00
Vacuum Trucks (Sump Cleanout)	FUG-MSS	24	0.25	0.00	0.00	0.00	0.05	0.00
Total				0.18		0.00		0.07

MSS Emission Totals

Component	TNK-1-MSS		FUG-MSS		FLARE	
	lb/hr	tpy	lb/hr	tpy	lb/hr	tpy
NO_x	-	-	-	-	0.45	0.00
CO	-	-	-	-	1.80	0.02
VOC	102.24	0.05	58.66	0.18	1.05	0.01
H₂S	21.49	0.00	23.03	0.07	0.41	0.00
Benzene	0.10	0.00	0.10	0.00	0.00	0.00
SO₂	-	-	-	-	37.82	0.38

**DCP Midstream
Seminole Booster Station
Compressor Blowdown Contributing to EPN: FLARE
Engine Startups Contributing to EPN: FUG-MSS**

Example Calculations:

Per Activity Propane Emissions Calculation:

$$ER(\text{lb propane/blowdown}) = \text{Gas released (scf/release)} \times \text{mole\%} / 379 \text{ scf/mol} \times \text{MW}$$

=	2,500 scf release	9.67 mol% 100	44.096 lb lbmol	lb-mol 379 scf	=	28.12	lb propane/blowdown
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Annual VOC Emissions Calculation:

$$\text{Annual ER (tpy)} = \frac{\text{Gas Released per activity (lb/blowdown)} \times \text{No. of activities per year}}{2,000 \text{ lb/ton}}$$

=	lb activity	# of blowdowns yr	ton 2,000 lb
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Startup Emissions Calculations:

Duration of Activity: 1 hour

Calculation of gas released for each unit:

Activity	Gas Released (scf/release)	Gas Released in lbmol/hr
Blowdown	2,500	6.60
Startup	324	0.85

Note: Gas Release based on input from Site Data sheet.

Calculation of gas emissions from compressor blowdown and engine startups:

Gas Analysis Component	Molecular Weight	Mole%	Gas Weight per compressor blowdown (lb/hr)	Gas Weight per engine startup (lb/hr)	Lower Heating Value Btu/scf	Blowdown Flaring Total Heat BTU
Carbon Dioxide	44	0.485	1.4071	0.1824	0.0	0.0
Hydrogen Sulfide	34	9.148	20.5647	2.6652	586.7	134179.1
Nitrogen	28	2.586	4.7759	0.6190	0.0	0.0
Methane	16	68.012	71.7808	9.3028	909.1	1545749.5
Ethane	30	13.848	27.4668	3.5597	1617.8	560066.2
Propane	44	9.669	28.1228	3.6447	2315.9	559782.0
i-Butane	58	0.808	3.0962	0.4013	3001.0	60590.2
n-Butane	58	2.465	9.4499	1.2247	3010.5	185514.5
i-Pentane	72	0.484	2.3025	0.2984	3697.9	44726.1
n-Pentane	72	0.566	2.6923	0.3489	3706.8	52423.4
Cyclopentane	70	0.075	0.3463	0.0449	3706.8	6941.0
n-Hexane	114	0.156	1.1701	0.1516		125549.1
Cyclohexane	84	0.068	0.3769	0.0489		
Other Hexanes	86	0.353	2.0048	0.2598		
Heptanes	100	0.193	1.2764	0.1654		
Methylcyclohexane	98	0.070	0.4501	0.0583		
2,2,4-Trimethylpentane	114	0.000	0.0000	0.0000	4403.9	
Benzene	78	0.018	0.0933	0.0121		
Toluene	92	0.015	0.0930	0.0121		
Ethylbenzene	106	0.001	0.0098	0.0013		
Xylenes	106	0.005	0.0378	0.0049		
Octanes+	114	0.114	0.8560	0.1109		
Total Gas Released		109.20	178.37	23.12	Total BTU	3275521.146
Total VOC Released		15.06	52.38	6.79		

Compressor blowdown summary of emissions:

DRE (%): 98

Pollutant	Emission Factor (lb/MMBtu)	Factor (lb SO ₂ /lb H ₂ S)	Number of Annual Activities	Emission Rate (lb/activity)	Emission Rate (tpy)
VOC			20	1.05	0.01
Benzene				0.00	0.00
Hydrogen Sulfide				0.41	0.00
Carbon Monoxide	0.5496			1.80	0.02
Nitrogen Oxides	0.138			0.45	0.00
Sulfur Dioxide		1.9		37.82	0.38

Contributing to EPN: FUG-MSS

Engine startup summary of emissions:

Pollutant	Hourly ER (lb/activity)	Number of Annual Activities	ER (lb/hr)	Annual ER (tpy)
VOC	6.79	20	6.79	0.07
Benzene	0.01	20	0.01	0.00
Hydrogen Sulfide	2.67	20	2.67	0.03

**DCPMIDSTREAM
SeminoleBoosterStation
EMISSIONSCALCULATIONS-GUNBARRELTANKOPENEDTOA TMOOSPHERE
ContributingtoEPN:TNK-1-MSS**

CalculationBasis:

Emissionstotheatmospherafteropeningtheempti edtankarecalculatedusingtheIdealGasLawand arebasedontheentiretankvolumeventingtothe atmospheraattheopeningconcentration.

Component	VaporPressure(psia)	MW (lb/lbmol)	WeightFraction
CondensateMixture(VOC)	3.16	58.67	0.60
CondensateMixture(H ₂ S)**	394	34.08	0.13
CondensateMixture(Benzene)***	1.93	78.11	0.00

**VPfromMSDSat100F

***At80degF

ConstantsandVariables:

CondensateVolume:		1,179 ft ³
AtmPressure:	psia	14.7
MaxTankTemperature:	°F	95
IdealGasConstant:		10.73 (ft ³)(psi)/(lbmol)(°R)
Numberofcondensatetanks:		1 dimensionless
DurationofActivity:	hr	1

Calculation-VOC Emissions From Opening System:

IdealGasLaw,PV=	nRT			
Condensateventedtoatmosphere(lbmol),n=	PV/ RT			
Condensateventedtoatmosphere(lbmol),n=	14. 70	psi	1,179 ft ³	^{°R} lb-mol 10.73 ft ³ psi (460+95) ^{°R}

CondensateSummary:

Totalvaporsventedtoatmosphereperactivity(lbm ol),n=	2.91
Condensatevaportoatmosphereperactivity(lb)=	170.71
Rateofvaporventedtoatmosphere(lb/hr)=	170.71
VOCventedtoatmosphereperactivity(lb)=	102.24
RateofVOCventedtoatmosphere(lb/hr)=	102.24
H ₂ Sventedtoatmosphereperactivity(lb)=	21.49
RateofH₂Sventedtoatmosphere(lb/hr)=	21.49
Benzeneventedtoatmosphereperactivity(lb)=	0. 10
RateofBenzeneventedtoatmosphere(lb/hr)=	0.10
TotalVOCventedtoatmosphere(tpy)=	0.05
TotalH₂Sventedtoatmosphere(tpy)=	0.01
Totalbenzeneventedtoatmosphere(tpy)=	0.00

**DCPMIDSTREAM
SeminoleBoosterStation
EMISSIONSCALCULATIONS-PIPINGOPENEDTOATMOSPHER E
ContributingtoEPN:FUG-MSS**

CalculationBasis:

Emissionstotheatmosphereafteropeningpipelines arecalculatedusingtheIdealGasLawandarebas edonthentirepipevolumeventingtotheatmosph ereatpipelinepressure.

ConstantsandVariables:

VentingPressure: 500 psia
PipingVolume: 88.00 ft³
ProcessTemperature: ~~95.00~~
IdealGasConstant: 10.73 (ft³)(psi)/(lbmol)(°R)
MolecularWeight: ~~141.76~~ol
Activitiesperyear: count/year
VOCContent: ~~32.07~~
BenzeneContent: 0.06 Wt.%
H₂SContent: 9.15 mol%

Calculation-VOC Emissions:

DurationofActivity: 1 hour
Volumeofsystem= 88.00 ft³
AmountHCventedtoatmosphere(lb)= $(\text{Pressure} \times \text{Volume}) / (\text{Gas Constant} \times \text{Temperature} [^\circ\text{R}]) \times \text{MW}$
= $\frac{500 \text{ psia} \times 88 \text{ ft}^3}{10.73 \text{ ft}^3 \cdot \text{psi} / \text{R} \cdot \text{lb-mol}} \times 24.76 \text{ lb-mol}$
= 182.94 lbsHC/activity(lb/hr)
= **58.66 lbsVOC/activity(lb/hr)**
= **0.03 tpyVOC**
= **0.10 lbsBenzene**
= **0.00 tpyBenzene**

Calculation-H₂S Emissions:

DurationofActivity: 1 hour
Volumeofsystem= 88.00 ft³
Amountventedtoatmosphere(lb)= $(\text{Pressure} \times \text{Volume}) / (\text{Gas Constant} \times \text{Temperature} [^\circ\text{R}]) \times \text{MW}$
= $\frac{500 \text{ psia} \times 88 \text{ ft}^3}{10.73 \text{ ft}^3 \cdot \text{psi} / \text{R} \cdot \text{lb-mol}} \times \frac{9.15 \text{ lb-molH}_2\text{S}}{100 \text{ lb-mol Gas}}$
= 23.03 lbsH₂S/activity(lb/hr)
= **0.01 tpyH₂S**

**DCPMIDSTREAM
SeminoleBoosterStation
EMISSIONCALCULATIONS-VACUUMTRUCKS(TANKCLEANIN G)
ContributingtoEPN:FUG-MSS**

CalculationBasis:

Emissionsfromvacuumtrucksareestimatedusingth eloadinglossmethodofAP-42,Chapter5.2:Transp ortationandMarketingofPetroleumLiquids,1995. Calculationsareperformedbasedonthe concentrationsoftheindividualorganicspeciessi ncethewastescontainsignificantnon-volatilecon tent(i.e.water,solids).Atruckcanbeloadedi nonehour,thereforetheemissionsperloadingact ivity reflectthelb/hremissionrate.

$$L_L = 12.46 \text{ SPM/T} * (\text{SF})$$

where:

$$L_L = \text{loading loss, pounds VOC per 1,000 gallons (lb/1 0}^3\text{gal) of liquid loaded}$$

$$S = \text{saturation factor}$$

$$P = \text{true vapor pressure of liquid loaded, pounds per square inch absolute (psia)}$$

$$M = \text{molecular weight of vapors, pounds per pound-mole (lb/lb-mole)}$$

$$T = \text{temperature of bulk liquid loaded, } ^\circ\text{R (} ^\circ\text{F} + 460)$$

$$\text{SF} = \text{safety factor due to vacuum loading}$$

Material Collected by Vacuum Truck	Organic Constituent	Tank Volume (gal)	Constituent Concentration (%volume)	Liquid Heel (% volume of tank)	Amount Loaded (gal)	S, Saturation Loss Factor	P, Vapor Pressure (psi)	M, Molecular Weight (lb/lb-mole)	T, Bulk Loading Temp (°F)	SF, Safety Factor	L _L (lb/1,000gal)	Loss (lbs/activity) (lb/hr)
Condensate	Condensate	8,820	100	20	1,764	0.60	3.16	58.67	95	2	4.99	5.27

$$\text{Number of Vacuum Trucks per year} = 1$$

$$\text{H}_2\text{S Concentration (wtfrac)} = 0.1259$$

$$\text{Benzene Concentration (wtfrac)} = 0.0006$$

Calculation:

$$\text{Duration of Activity} = 1 \text{ hour}$$

$$\text{Volume of Constituent Loaded (gal)} = 1,764 \text{ gal}$$

$$\text{Loading Loss (lb/1,000gal)} = L_L = 12.46 \text{ SPM/T} * (\text{SF}) = (12.46) * (0.6) * (3.155) * (58.7) / (95 + 460) * 2 = 4.9868 \text{ lb/1,000gal}$$

$$\text{VOC Emissions per Condensate Cleanout (lb/hr)} = (1,764 \text{ gal}) / (1,000) * (4.987 \text{ lb/1,000gal}) * (0.6 \text{ VOC wt. Fraction}) = 5.27 \text{ lb/hr}$$

$$\text{H}_2\text{S Emissions per Condensate Cleanout (lb/hr)} = 1.11$$

$$\text{Benzene Emissions per Condensate Cleanout (lb/hr)} = 0.01$$

$$\text{Activities per year per tank} = 1$$

$$\text{Condensate Cleanout VOC Annual Emissions (tpy)} = 0.00$$

$$\text{Condensate Cleanout H}_2\text{S Annual Emissions (tpy)} = 0.00$$

$$\text{Condensate Cleanout Benzene Annual Emissions (tpy)} = 0.00$$

**DCPMIDSTREAM
SeminoleBoosterStation
EMISSIONCALCULATIONS-VACUUMTRUCKS(SUMPCLEANOUT)
ContributingtoEPN:FUG-MSS**

CalculationBasis:

EmissionsfromvacuumtrucksareestimatedusingtheloadinglossmethodofAP-42,Chapter5.2:TransportationandMarketingofPetroleumLiquids,1995. Calculationsareperformedbasedonthe concentrationsoftheindividualorganicspeciesinthewastesthatcontainsignificantnon-volatileconstituents(i.e.water,solids).Atruckcanbeloadedforonehour,thereforetheemissionsperloadingactivity reflectthelossrate.

$$L_L = 12.46 \text{ SPM} / T \cdot (\text{SF})$$

where:

L_L = loading loss, pounds VOC per 1,000 gallons (lb/1,000 gal) of liquid loaded

S = saturation factor

P = true vapor pressure of liquid loaded, pounds per square inch absolute (psia)

M = molecular weight of vapors, pounds per pound-mole (lb/lb-mole)

T = temperature of bulk liquid loaded, °R (°F + 460)

SF = safety factor due to vacuum loading

Material Collected by Vacuum Truck	Organic Constituent	Vacuum Truck Volume (gal)	Constituent Concentration (%volume)	Amount Loaded (gal)	S, Saturation Loss Factor	P, Vapor Pressure (psi)	M, Molecular Weight (lb/lb-mole)	T, Bulk Loading Temp (°F)	SF, Safety Factor	L_L (lb/1,000gal)	VOC Loss (lbs/activity) (lb/hr)
Various	Water	8,500	80	6,800	0.60	0.338	18.00	95	2	0.1639	-
	Lube Oil*	8,500	19	1615	0.60	0.0018	250.00	95	2	0.0121	-
	Condensate	8,500	1	85	0.60	3.16	58.67	95	2	4.9868	0.25

*Not considered VOC due to vapor pressure < 0.002 psia.

Number of Vacuum Trucks per year: 24

Calculation:

Duration of Activity: 1 hour

Volume of Constituent Loaded (gal) = (1/100) * (8,500 gal) = 85 gal

Loading Loss (lb/1,000gal) = $L_L = 12.46 \text{ SPM} / T \cdot (\text{SF}) = (12.46) \cdot (0.6) \cdot (3.155) \cdot (58.7) / (95 + 460) \cdot 2 = 4.9868 \text{ lb} / 1,000 \text{ gal}$

VOC Emissions per Activity (lb/hr) = (85 gal) / (1,000) * (4.987 lb/1,000 gal) * (0.6 VOC wt. Fraction) = 0.25

H₂S Emissions per Activity (lb/hr) = 0.05

Benzene Emissions per Activity (lb/hr) = 0.00

Activities per year = 24

VOC Annual Emissions (tpy) = 0.00

H₂S Annual Emissions (tpy) = 0.00

Benzene Annual Emissions (tpy) = 0.00

**DCPMIDSTREAM
SeminoleBoosterStation
FILTERS/STRAINERS-OPENEDTOATMOSPHERE
ContributingtoEPN:FUG-MSS**

VOCemissionstotheatmosphereafteropeningthefilters/strainersarecalculatedusingtheIdealGas Lawandarebasedontheentirefilters/strainers volumeventingtotheatmosphere.

ConstantsandVariables:

Volumeofequipment: 20 ft³
 ProcessTemperature: F 95
 IdealGasConstant: 10.73 (ft³)(psi)/(lbmol)(°R)
 OpeningPressure: 500 psi
 MolecularWeight: 24.76 lb/lbmol
 Activitiesperyear: 12 count/year
 VOCContent: 32.07 Wt.%
 BenzeneContent: 0.06 Wt.%
 H₂SContent: 9.15 mol%

Calculation-VOC Emissions:

DurationofActivity: 1 hour
 Volumeofsystem= 20.00 ft³
 AmountHCventedtoatmosphere(lb)= $(\text{Pressure} \times \text{Volume}) / (\text{Gas Constant} \times \text{Temperature} [^{\circ}\text{R}]) \times \text{MW}$

	20.00 ft ³	500 psi	24.76 lb
=	$\frac{10.73 \text{ ft}^3 \text{ psi} / \text{R} \cdot \text{lb-mol}}$	555 °R	lb-mol
=	41.58 lbsHC/activity(lb/hr)		
=	13.33 lbsVOC/activity(lb/hr)		
=	0.08 tpyVOC		
=	0.02 lbsBenzene/activity(lb/hr)		
=	0.00 tpyBenzene		

Calculation-H₂S Emissions:

DurationofActivity: 1 hour
 Volumeofsystem= 20.00 ft³
 Amountventedtoatmosphere(lb)= $(\text{Pressure} \times \text{Volume}) / (\text{Gas Constant} \times \text{Temperature} [^{\circ}\text{R}]) \times \text{MW}$

	500.00 psi	20 ft ³	9.148 lb-molH ₂ S	
=	$\frac{10.73 \text{ ft}^3 \text{ psi} / \text{R} \cdot \text{lb-mol}}$	555 °R	100 lb-mol Gas	34.08 lbH ₂ S
=	5.24 lbsH ₂ S/activity(lb/hr)			
=	0.03 tpyH₂S			

MOBILE ANALYTICAL LABS, INC.

P.O. BOX 69210
ODESSA, TEXAS 79769

LIQUID EXTENDED ANALYSIS

04/07/11

LAB # 8125

DCP MIDSTREAM
LOVE BOOSTER
PRESSURIZED LIQUID
OFF BLOW POT SIGHT GLASS

	MOL %	VOL %	WT %
	-----	-----	-----
HYDROGEN SULFIDE	0.0000	0.0000	0.0000
METHANE	1.1805	0.3580	0.1353
CARBON DIOXIDE	0.0165	0.0050	0.0052
ETHANE	0.9170	0.4388	0.1970
PROPANE	2.4464	1.2057	0.7707
ISO-BUTANE	0.6779	0.3970	0.2815
N-BUTANE	3.8877	2.1938	1.6143
ISO-PENTANE	2.4387	1.5975	1.2570
N-PENTANE	3.9500	2.5608	2.0360
CYCLOPENTANE	1.0363	0.7698	0.6380
2-METHYLPENTANE	2.1876	1.6250	1.3468
3-METHYLPENTANE	1.6553	1.2092	1.0191
N-HEXANE	3.6722	2.7027	2.2608
METHYLCYCLOPENTANE	4.2244	2.6757	2.5399
BENZENE	0.5451	0.2730	0.3042
CYCLOHEXANE	2.8326	1.7255	1.7031
2-METHYLHEXANE	0.9896	0.8232	0.7084
3-METHYLHEXANE	1.9199	1.5771	1.3743
DIMETHYLCYCLOPENTANES	3.1356	2.3457	2.1995
2,2,4 TRIMETHYLPENTANE ***	1.7407	2.0455	1.7935
N-HEPTANE	3.1948	2.6378	2.2869
METHYLCYCLOHEXANE	5.5127	3.9657	3.8669
TRIMETHYLCYCLOPENTANES	1.3143	1.0964	1.0537
TOLUENE	1.3047	0.7819	0.8588
2-METHYLHEPTANE	3.4017	3.1381	2.7760
3-METHYLHEPTANE	0.9077	0.8280	0.7407
DIMETHYLCYCLOHEXANES	3.5240	2.8663	2.8252
N-OCTANE	1.8038	1.6527	1.4720
ETHYL BENZENE	0.6236	0.4307	0.4730
M&P-XYLENES	1.1084	0.7643	0.8407
O-XYLENE	0.2351	0.1621	0.1783
C9 NAPHTHENES	4.0381	3.6765	3.6418
C9 PARAFFINS	2.7284	2.7346	2.5000
N-NONANE	0.9256	0.9326	0.8481
DECANE PLUS	29.9231	47.8033	53.4533
	-----	-----	-----
TOTALS	100.0000	100.0000	100.0000

SPECIFIC GRAVITY	0.794
SP.GR. C6+	0.815
SP.GR. C7+	0.830
SP.GR C10+	0.888
TOTAL MOL. WT.	139.992
MOL. WT. C6+	155.267
MOL. WT. C7+	171.873
MOL. WT. C10+	250.100
TOTAL CU.FT./GAL	18.001
CU.FT./GAL C6+	16.659
POUNDS/GALLON	6.620
POUNDS/GALLON C5+	6.728
VAPOR PRESSURE (psia)	76.036

NOTES:
SAMPLED 03/24/11 BY: SR
26 PSIG @ 60 °F
AMBIENT PRESSURE: 13.27 PSIA
AMBIENT TEMPERATURE: 67 °F

DISTRIBUTION:
MR. KURT JACQUIN

NOTE: CU.FT./GAL @ 14.65 PSIA

*** ALSO CONTAINS 1,t2-DIMETHYLCYCLOPENTANE

MOBILE ANALYTICAL LABS, INC.

P.O. BOX 69210
ODESSA, TEXAS 79769

GAS EXTENDED ANALYSIS

04/06/11

LAB # 8126

**DCP MIDSTREAM
LOVE BOOSTER
INLET GAS**

	MOL %	GPM
	-----	-----
HYDROGEN SULFIDE	0.0108	0.000
NITROGEN	2.5858	0.000
METHANE	68.0123	0.000
CARBON DIOXIDE	0.4848	0.000
ETHANE	13.8476	3.700
PROPANE	9.6685	2.661
ISO-BUTANE	0.8076	0.264
N-BUTANE	2.4649	0.776
ISO-PENTANE	0.4838	0.177
N-PENTANE	0.5657	0.205
NEOHEXANE	0.0024	0.001
CYCLOPENTANE	0.0749	0.031
2-METHYLPENTANE	0.1249	0.052
3-METHYLPENTANE	0.0862	0.035
N-HEXANE	0.1556	0.064
METHYLCYCLOPENTANE	0.1399	0.049
BENZENE	0.0181	0.005
CYCLOHEXANE	0.0679	0.023
2-METHYLHEXANE	0.0187	0.009
3-METHYLHEXANE	0.0327	0.015
DIMETHYLCYCLOPENTANES	0.0984	0.040
N-HEPTANE	0.0433	0.020
METHYLCYCLOHEXANE	0.0695	0.028
TRIMETHYLCYCLOPENTANES	0.0116	0.005
TOLUENE	0.0153	0.005
2-METHYLHEPTANE	0.0286	0.015
3-METHYLHEPTANE	0.0052	0.003
DIMETHYLCYCLOHEXANES	0.0234	0.011
N-OCTANE	0.0094	0.005
ETHYL BENZENE	0.0014	0.001
M&P-XYLENES	0.0043	0.002
O-XYLENE	0.0011	0.000
C9 NAPHTHENES	0.0133	0.007
C9 PARAFFINS	0.0117	0.007
N-NONANE	0.0020	0.001
N-DECANE	0.0008	0.000
UNDECANE PLUS	0.0076	0.005
	-----	-----
TOTALS	100.0000	8.222

SPECIFIC GRAVITY	0.829
GROSS DRY BTU/CU.FT.	1379.3
GROSS WET BTU/CU.FT.	1355.7
TOTAL MOL. WT.	23.922
MOL. WT. C6+	92.038
SP. GRAVITY C6+	3.615
MOL. WT. C7+	104.827
SP. GRAVITY C7+	4.447

NOTES
SAMPLED 03/24/11 BY: SR
26 PSIG @ 63 °F
H2S = 108 PPM
CYLINDER NO. 1280
SPOT

DISTRIBUTION
MR. KURT JACQUIN

BASIS: 14.65 PSIA @ 60 °F



Texas Commission on Environmental Quality
Permit by Rule Applicability Checklist
Title 30 Texas Administrative Code § 106.4

The following checklist was developed by the Texas Commission on Environmental Quality (TCEQ), [Air Permits Division](#), to assist applicants in determining whether or not a facility meets all of the applicable requirements. Before claiming a specific Permit by Rule (PBR), a facility must first meet all of the requirements of [Title 30 Texas Administrative Code § 106.4 \(30 TAC § 106.4\)](#), "Requirements for Permitting by Rule." Only then can the applicant proceed with addressing requirements of the specific Permit by Rule being claimed.

The use of this checklist is not mandatory; however, it is the responsibility of each applicant to show how a facility being claimed under a PBR meets the general requirements of 30 TAC § 106.4 and also the specific requirements of the PBR being claimed. If all PBR requirements cannot be met, a facility will not be allowed to operate under the PBR and an application for a construction permit may be required under 30 TAC § 116.110(a).

Registration of a facility under a PBR can be performed by completing [Form PI-7](#) (Registration for Permits by Rule) or [Form PI-7-CERT](#) (Certification and Registration for Permits by Rule). The appropriate checklist should accompany the registration form. Check the most appropriate answer and include any additional information in the spaces provided. If additional space is needed, please include an extra page and reference the question number. The PBR forms, tables, checklists and guidance documents are available from the TCEQ, Air Permits Division Web site at: www.tceq.state.tx.us/permitting/air/nav/air_pbr.html.

1. 30 TAC § 106.4(a)(1) & (4): Emission limits	
List emissions in tpy for each facility (add additional pages or table if needed): SO ₂ = _____ PM ₁₀ = _____ VOC = _____ NO _x = _____ CO = _____ Other _____ = _____ SO ₂ = _____ PM ₁₀ = _____ VOC = _____ NO _x = _____ CO = _____ Other _____ = _____ SO ₂ = _____ PM ₁₀ = _____ VOC = _____ NO _x = _____ CO = _____ Other _____ = _____ Total _____	See attached table for emissions detail.
<ul style="list-style-type: none"> ● Are the SO₂, PM₁₀, VOC, or other air contaminant emissions claimed for each facility in this PBR submittal less than 25 tpy? <input type="checkbox"/> YES <input type="checkbox"/> NO ● Are the NO_x and CO emissions claimed for each facility in this PBR submittal less than 250 tpy? <input type="checkbox"/> YES <input type="checkbox"/> NO <p><i>If the answer to both is "Yes," continue to the question below. If the answer to either question is "No," a PBR cannot be claimed.</i></p>	
Has any facility at the property had public notice and opportunity for comment under 30 TAC Section 116 for a regular permit or permit renewal? (This does not include public notice for voluntary emission reduction permits, grandfathered existing facility permits, or federal operating permits.) <input type="checkbox"/> YES <input type="checkbox"/> NO <i>If "Yes," skip to Section 2. If "No," continue to the questions below.</i>	
If the site has had no public notice, please answer the following: <ul style="list-style-type: none"> ● Are the SO₂, PM₁₀, VOC, or other emissions claimed for all facilities in this PBR submittal less than 25 tpy? <input type="checkbox"/> YES <input type="checkbox"/> NO ● Are the NO_x and CO emissions claimed for all facilities in this PBR submittal less than 250 tpy? <input type="checkbox"/> YES <input type="checkbox"/> NO <p><i>If the answer to both questions is "Yes," continue to Section 2. If the answer to either question is "No," a PBR cannot be claimed. A permit will be required under Chapter 116.</i></p>	
2. 30 TAC § 106.4(a)(2): Nonattainment check	
Are the facilities to be claimed under this PBR located in a designated ozone nonattainment county? <i>If "Yes," please indicate which county by checking the appropriate box to the right.</i> (Marginal) - Hardin, Jefferson, and Orange counties (<i>BPA</i>) <input type="checkbox"/> BPA (Moderate) - Brazoria, Chambers, Fort Bend, Galveston, Harris, Liberty, Montgomery, and Waller counties (<i>HGA</i>) <input type="checkbox"/> HGA (Moderate) - Collin, Dallas, Denton, Ellis, Johnson, Kaufman, Parker, Rockwall, and Tarrant counties (<i>DFW</i>) <input type="checkbox"/> DFW	<input type="checkbox"/> YES <input type="checkbox"/> NO
<i>If "Yes," to any of the above, continue to the next question. If "No," continue to Section 3.</i>	

<p>Does this project trigger a nonattainment review? To determine the answer, review the information below:</p> <ul style="list-style-type: none"> ● Is the project’s potential to emit (PTE) for emissions of VOC or NO_x increasing by 100 tpy or more? <i>PTE is the maximum capacity of a stationary source to emit any air pollutant under its worst-case physical and operational design unless limited by a permit, rule, or made federally enforceable by a certification.</i> ● Is the site an existing major nonattainment site and are the emissions of VOC or NO_x increasing by 40 tpy or more? <p>If needed, attach contemporaneous netting calculations per nonattainment guidance. Additional information can be found at: www.tceq.state.tx.us/permitting/air/forms/newsourcereview/tables/nsr_table8.html and www.tceq.state.tx.us/permitting/air/nav/air_docs_newsourcereview.html</p> <p><i>If “Yes,” to any of the above, the project is a major source or a major modification and a PBR may not be used. A Nonattainment Permit review must be completed to authorize this project. If “No,” continue to Section 3.</i></p>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> NO
---	--

3. 30 TAC § 106.4(a)(3): Prevention of Significant Deterioration (PSD) check

<p>Does this project trigger a review under PSD rules? To determine the answer, review the information below:</p> <ul style="list-style-type: none"> ● Are emissions of any regulated criteria pollutant increasing by 100 tpy of any criteria pollutant at a named source? ● Are emissions of any criteria pollutant increasing by 250 tpy of any criteria pollutant at an unnamed source? ● Are emissions increasing above significance levels at an existing major site? <p>PSD information can be found at: www.tceq.state.tx.us/permitting/air/forms/newsourcereview/tables/nsr_table9.html and www.tceq.state.tx.us/permitting/air/nav/air_docs_newsourcereview.html</p> <p><i>If “Yes,” to any of the above, a PBR may not be used. A PSD Permit review must be completed to authorize the project. If “No,” continue to Section 4.</i></p>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> NO
--	--

4. 30 TAC § 106.4(a)(6): Federal Requirements

<ul style="list-style-type: none"> ● Will all facilities under this PBR meet applicable requirements of Title 40 Code of Federal Regulations (40 CFR) Part 60, New Source Performance Standards (NSPS)? If “Yes,” which Subparts are applicable?: _____ ● Will all facilities under this PBR meet applicable requirements of 40 CFR Part 63, Hazardous Air Pollutants Maximum Achievable Control Technology (MACT) standards? If “Yes,” which Subparts are applicable?: _____ ● Will all facilities under this PBR meet applicable requirements of 40 CFR Part 61, National Emissions Standards for Hazardous Air Pollutants (NESHAPs)? If “Yes,” which Subparts are applicable?: _____ <p><i>If “Yes” to any of the above, please attach a discussion of how the facilities will meet any applicable standards.</i></p>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A
---	--

5. 30 TAC § 106.4(a)(7): PBR prohibition check

<p>Are there any air permits at the site containing conditions which prohibit or restrict the use of PBRs?</p> <p><i>If “Yes,” PBRs may not be used or their use must meet the restrictions of the permit. A new permit or permit amendment may be required. List permit number(s): _____</i></p> <p><i>If “No,” continue to Section 6.</i></p>	<input type="checkbox"/> YES <input type="checkbox"/> NO
---	--

6. 30 TAC § 106.4(a)(8): NO_x Cap and Trade																							
<ul style="list-style-type: none"> ● Is the facility located in Harris, Brazoria, Chambers, Fort Bend, Galveston, Liberty, Montgomery, or Waller County? <i>If "Yes," answer the question below. If "No," continue to Section 7.</i> ● Will the proposed facility or group of facilities obtain required allowances for NO_x if they are subject to 30 TAC Chapter 101, Subchapter H, Division 3 (relating to the Mass Emissions Cap and Trade Program)? 	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO																					
7. Highly Reactive Volatile Organic Compounds (HRVOC) check																							
<ul style="list-style-type: none"> ● Is the facility located in Harris County? <i>If "Yes," answer the next question. If "No," skip to the box below.</i> ● Will the project be constructed after June 1, 2006? <i>If "Yes," answer the next question. If "No," skip to the box below.</i> ● Will one or more of the following HRVOC be emitted as a part of this project? <p><i>If "Yes," complete the information below:</i></p> <table style="width: 100%; border: none;"> <thead> <tr> <th style="width: 80%;"></th> <th style="width: 10%; text-align: center;"><u>lb/hr</u></th> <th style="width: 10%; text-align: center;"><u>tpy</u></th> </tr> </thead> <tbody> <tr> <td>▶ 1,3-butadiene</td> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> </tr> <tr> <td>▶ all isomers of butene (e.g., isobutene [2-methylpropene or isobutylene])</td> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> </tr> <tr> <td>▶ alpha-butylene (ethylethylene)</td> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> </tr> <tr> <td>▶ beta-butylene (dimethylethylene, including both cis- and trans-isomers)</td> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> </tr> <tr> <td>▶ ethylene</td> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> </tr> <tr> <td>▶ propylene</td> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> </tr> </tbody> </table>		<u>lb/hr</u>	<u>tpy</u>	▶ 1,3-butadiene	_____	_____	▶ all isomers of butene (e.g., isobutene [2-methylpropene or isobutylene])	_____	_____	▶ alpha-butylene (ethylethylene)	_____	_____	▶ beta-butylene (dimethylethylene, including both cis- and trans-isomers)	_____	_____	▶ ethylene	_____	_____	▶ propylene	_____	_____	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> NO	
	<u>lb/hr</u>	<u>tpy</u>																					
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