Methane Challenge Best Management Practice Reporting Form

This reporting form must be downloaded from the Methane Challenge module in e-GGRT. All data on this page will automatically populate based on data entered in e-GGRT.

Note that if you have committed to a source, but that source is not present at this facility, check the box in column F to indicate this.

Participating sources are automatically populated based on the most recent commitment information EPA has received from your company. If these commitments are not accurate, please contact the Help Desk (GHGreporting@epa.gov).

If other data on this tab are incorrect, you can fix the data in e-GGRT and redownload this form. If you need help locating the data in e-GGRT, please contact the Help Desk (GHGreporting@epa.gov)

After completing this Facility Info tab, please fill out the tab(s) corresponding to the sources on which this facility is reporting.

Note that you will need to submit a separate report for each of your facilities.

Report Year	20XX Version: ICR RENEWAL 2021
Partner Name	SAMPLE PARTNER
Facility Name	SAMPLE FACILITY This is a preview version of the reporting form only. The Methane Challenge Reporting System will not accept reports submitted on this version of the reporting form. Partners should always download their
Industry Segment	shore Production labeling and the source of
	athering and Boosting
	tural Gas Processing
	ansmission and Storage
	stribution
	A check below indicates that the Partner has made a commitment to the source. If this source does not exit at this facily, please check this box
Participating Sources	lowdowns
	Aains- Cast Iron and Unprotected Steel
	Services- Cast Iron and Unprotected Steel
	xcavation Damages
	Reciprocating Compressors - Rod Packing Vent
	Dentrifugal Compressors - Venting
	c Controllers
	I, Amospheric Pressure Hydrocarbon Liquid Storage Tanks
	It Leaks (Compressor Isolation and Blowdown Valves)
Methane Challenge Partner ID Number	Methane Challenge Partner IDs are automatically assigned to partners by the e-GGRT system
Methane Challenge Facility ID Number	Methane Challenge Facility IDs are automatically assigned to partners by the e- GGRT system
GHGRP ID Number	123456 This field will groundse with a GMGRP sacility to If you indicated that this Methane Challenge facility reports to Subjact VE the Greenhouse Gase Reporting Program during Methane Challenge Facility Registration. If this Methane Challenge facility Greenhouse TW, this field Will be blank. If you need help updating your facility information, please contact the Help Desk.
	If this facility reports to Subpart W, on subsequent tabs, fields shaded in grey represent data element that are reported to GHGRP; these fields will be pre- populated with data submitted to GHGRP. Therefore, when completing these forms, those fields will be focked to prevent changes and you may skyli fields that are shaded in grey. Please note that this form will not update Subpart W data in e-GGTF.
	Pre-populated using certified Part 98 Subpart W annual report: Version: Date Certified:

is collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2066-0722). Responses to this lection of information are voluntary 42 UES 7420(3), An agency may not conduct to sponsor, and a paperson is not required to respond to, a collection of information sets at displays a currently valid OMB control number. The public reporting and recordiveping burden for this collection of information sponse. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing ponden tructerin to the Regulatory Support Division Director, U.S. Environmental Protection Agency (28217), 1200 Pennsylvania Ave., NW, Washington, D.C. 460, Include the OMB control number may correspondence. Do not send the completed form to this address of

147205100

Last Updated:

3/31/2021

Based on your commitment, please fill out all of the fields below. Hitting the tab key after data entry will automatically take you to the next data-entry field.

For additional information about the data being requested, and for further detail on quantification methodologies, please refer to the "BMP Commitment Option Technical Docu

Partner Name	Facility Name	Report Year
SAMPLE PARTNER	SAMPLE FACILITY	20XX

Distribution Pipeline Blowdowns

Return to Facility Info

Table 1. Distribution Pipeline Blowdowns

Number of blowdowns	
Total CH_4 emissions (mt CH_4)	

Table 2. Voluntary Actions Taken to Reduce Methane Emissions During Reporting Year

Number of blowdowns that routed gas to:		
Compressor or capture system for beneficial use		
Flare		
Low-pressure system		
Number of hot taps utilized that avoided the need to blowdown gas to the atmosphere		
Total potential emissions (mt CH_4)		
Emission reductions from voluntary action (mt CH_4)		

Additional Information

This space provides an opportunity for reporting optional, qualitative information that was not covered in the above data elements which communicates progress on the applicable commitment.

Based on your commitment, please fill out all of the fields below. Hitting the tab key after data entry will automatically take you to the next data-entry field.

For additional information about the data being requested, and for further detail on quantification methodologies, please refer to the "BMP Commitment Option Technical Docu

Partner Name	Facility Name	Report Year
SAMPLE PARTNER	SAMPLE FACILITY	20XX

Transmission Pipeline Blowdowns between Compressor Stations¹ Return to Facility Info

Table 1. Transmission Pipeline Blowdowns between Compressor Stations

Quantification Method	Equipment or event type	Total number of blowdowns	Total CH_4 emissions (mt CH_4)
	Pipeline integrity work (e.g., the preparation work of modifying facilities, ongoing assessments, maintenance or mitigation)		
	Traditional operations or pipeline maintenance		
	Equipment replacement or repair (e.g., valves)		
Subpart W Method 1, based on volume, temperature, and pressure	Pipe abandonment		
	New construction or modification of pipelines including commissioning and change of service		
	Operational precaution during activities (e.g. excavation near pipelines)		
	All other pipeline segments with a physical volume greater than or equal to 50 cubic feet		
Subpart W Method 2, based on measurement	Calculated using flow meter		
Alternate calculation method for fa	acilities not reporting to Subpart W only		

Table 2. Voluntary Actions Taken to Reduce Methane Emissions in During Reporting Year

Total number of blowdowns to which a BMP was applied	
Number of blowdowns that routed gas to:	
Compressor or capture system for beneficial use	
Flare	
Low-pressure system	
Number of hot taps utilized that avoided the need to blowdown gas to the atmosphere	
Total potential emissions (mt CH_4)	
Emission reductions from voluntary action (mt CH_4) ²	

Additional Information

This space provides an opportunity for reporting optional, qualitative information that was not covered in the above data elements which communicates progress on the applicable commitment.

¹ This source is intended to align with Subpart W's 'Onshore Natural Gas Transmission Pipeline Segment,' capturing all blowdowns not occurring at compressor stations. In Subpart W, this activity is reported on tab (i) Blowdown Vent Stacks.

² Difference in potential and actual emissions as calculated per the specified emission quantification methodologies for each source.

Based on your commitment, please fill out all of the fields below. Hitting the tab key after data entry will automatically take you to the next data-entry field.

For additional information about the data being requested, and for further detail on quantification methodologies, please refer to the "BMP Commitment Option Techn.

Partner Name	Facility Name	Report Year
SAMPLE PARTNER	SAMPLE FACILITY	20XX

Distribution Mains - Cast Iron and Unprotected Steel¹

Return to Facility Info

Table 1. Distribution Mains - Cast Iron and Unprotected Steel Initial Inventory

Initial inventory of cast iron distribution mains as of January 1 of the first year of current commitment (miles)	
Initial inventory of unprotected steel distribution mains as of January 1 of the first year of current commitment (miles)	

Table 2. Distribution Mains - Mileage and Emissions

	Total miles of distribution	Annual CH ₄ emissions (mt CH,)
	mains	(III OII ₄)
Distribution Mains, Gas Service - Unprotected Steel		
Distribution Mains, Gas Service - Protected Steel		
Distribution Mains, Gas Service - Plastic		
Distribution Mains, Gas Service - Cast Iron		
Distribution Mains, Gas Service - Reconditioned Cast Iron (with cured-in-place liners)		
Distribution Mains, Gas Service - Unprotected Steel with cured-in- place liners		

Table 3. Voluntary Actions Taken to Reduce Methane Emissions During Reporting Year

Miles of cast iron mains:	
Replaced with plastic	
Replaced with protected steel	
Rehabilitated with cured-in-place liners	
Retired without replacement	
Miles of unprotected steel mains:	
Cathodically protected or replaced with protected steel	
Replaced with plastic	
Rehabilitated with cured-in-place liners	
Retired without replacement	
Emission reductions from voluntary action (mt CH_4)	This c

s cell will automatically calculate emissions reductions.

Additional Information

This space provides an opportunity for reporting optional, qualitative information that was not covered in the above data elements which communicates progress on the applicable commitment.

See Table W-7 to Subpart W of Part 98 - Default M

Based on your commitment, please fill out all of the fields below. Hitting the tab key after data entry will automatically take you to the next data-entry field.

For additional information about the data being requested, and for further detail on quantification methodologies, please refer to the "BMP Commitment Option Technix

Partner Name	Facility Name	Report Year
SAMPLE PARTNER	SAMPLE FACILITY	20XX

Distribution Services - Cast Iron and Unprotected Steel¹

Return to Facility Info

Table 1. Distribution Services - Cast Iron and Unprotected Steel Initial Inventory

Initial inventory of cast iron services as of January 1 of the first year of current commitment (count)	
Initial inventory of unprotected steel services as of January 1 of the first year of current commitment (count)	

Table 2. Distribution Services - Counts and Emissions

	Total number of services	Annual CH₄ emissions (mt CH₄)
Distribution Services, Gas Service - Unprotected Steel		
Distribution Services, Gas Service - Protected Steel		
Distribution Services, Gas Service - Plastic		
Distribution Services, Gas Service - Copper		
Distribution Services, Gas Service - Cast Iron		
Distribution Services, Gas Service - Reconditioned Cast Iron (with Plastic Liners)		
Distribution Services, Gas Service - Unprotected Steel with Plastic Liners		

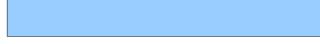
Table 3. Voluntary Actions Taken to Reduce Methane Emissions During Reporting Year

	1
Number of cast iron services:	
Replaced with plastic	
Replaced with protected steel	
Replaced with copper	
Reconditioned with cured-in-place liners	
Retired without replacement	
Number of unprotected steel services:	
Cathodically protected or replaced with protected steel	
Replaced with plastic	
Replaced with copper	
Rehabilitated with cured-in-place liners	
Retired without replacement	
Emission reductions from voluntary action (mt CH_4)	This cel

nis cell will automatically calculate emissions reductions.

Additional Information

This space provides an opportunity for reporting optional, qualitative information that was not covered in the above data elements which communicates progress on the applicable commitment.



See Table W-7 to Subpart W of Part 98 - Default Me

Based on your commitment, please fill out all of the fields below. Hitting the tab key after data entry will automatically take you to the next data-entry field.

For additional information about the data being requested	and for further detail on quantification methodologies	please refer to the "BMP Commitment Ontion Techn

Partner Name	Facility Name	Report Year
SAMPLE PARTNER	SAMPLE FACILITY	20XX

Return to Facility Info

Distribution Excavation Damages

Table 1. Distribution Excavation Damages - Total Counts

		Total number of excavation damages	
	Total number of excavation damages per thousand locate calls		
		Total number of excavation damages which resulted in a release of natural gas	
		Total number of excavation damages which resulted in the pipeline being shut down	
		Total number of excavation damages where the operator was given prior notification of excavation activity	

Table 2. Distribution Excavation Damages - Counts by Class Location (Optional)

	Class 1	Class 2	Class 3	Class 4
Total number of excavation damages per class location (optional, if data is available)				

Table 3. Distribution Excavation Damages - Counts by Pipe Material and Part of System

		Main	Service	Inside Meter/Regulator Set	Other
Total number of excavation damages by pipe material and part of system involved	Steel				
	Cast Iron				
	Copper				
	Plastic				
	Other				

Table 4. Distribution Excavation Damages - Counts by Type that Caused Excavation Damage

	Contractor	
	Railroad	
	County	
	State	
Total number of excavation damages by type that caused	Developer	
excavation damage incidents	Farmer	
	Utility	
	Municipality	
	Occupant	
	Unknown/Other	

Table 5. Distribution Excavation Damages - Counts by Apparent Root Cause

	One-Call Notification Practices Not Sufficient	
	Locating Practices Not Sufficient	
	Excavation Practices Not Sufficient	
Total number of excavation damages by apparent root cause	One-Call Notification Center Error	
	Abandoned Facility	
	Deteriorated Facility	
	Previous Damage	
	Other/Miscellaneous	

Table 6. Voluntary Actions Taken to Reduce Methane Emissions During Reporting Year

Actions taken to minimize excavation damages/reduce methane emissions from excavation damages	
Company-specific goal for reducing excavation damages and/or methane emissions from excavation damages (when available)	
Progress in meeting company-specific goal (when available)	

Additional Information

This space provides an opportunity for reporting optional, qualitative information that was not covered in the above data elements which communicates progress on the applicable commitment. Based on your commitment, please fill out all of the fields below. Hitting the tab key after data entry will automatically take you to the next data-entry field.

For additional information about the data being requested, and for fur	ther detail on guantification methodologies, please refer to the "BMP C	ommitment Option Technical Docum	ent" document found on the Metha
Partner Name	Facility Name	Report Year	
SAMPLE PARTNER	SAMPLE FACILITY	20XX	

Processing and Transmission and Storage Reciprocating Compressors¹ Return to Facility Info

Table 1. Processing and Transmission and Storage - Reciprocating Compressors with Rod Packing

If the release point changed or controls were added during the reporting year, please provide a different unique name or compressor ID for the reconfigured emission source and the operating data associated with the reconfiguration.

Unique name or ID for compressor	Hours in operating-mode	Hours in standby-pressurized- mode	Hours in not-operating- depressurized-mode	Is rod packing replacement occurring every 26,000 hours or 36 months? (Y/N)	Date of last rod packing replacement (mm/dd/yyyy)	Number of operating hours since rod packing replacement	Is compressor part of a manifolded group of compressor sources? (Y/N)	Where are rod packing venting emissions from the compressor released?	Was compressor in not- operating-depressurized-mode all year? (Y/N)
									(
									<u> </u>

Table 2. Processing and Transmission and Storage Reciprocating Compressors - Rod Packing Individual Atmospheric Vents

			Measured volumetric flow at st packing le	andard conditions from the rod ak or vent	
Unique name or ID for the individual leak or vent to the atmosphere	Unique name or ID for compressor	Emissions Calculation Method	As found (scfh)	Continuous (annual MMscf)	Annual CH, emissions (mt CH,)

Table 3. Processing and Transmission and Storage Reciprocating Compressors - Reporter Emission Factor

Reporter EF (scfh)	Number of measured compressors (during the current year and 2 previous years) from which the reporter EF was developed

Table 4. Alternate Calculation Method for Facilities <u>Net Reported to Subpart W ONLY</u> <u>Annual C48</u> emissions using the <u>alternate</u> calculation method <u>Annual C48</u> emissions using the <u>alternate</u> calculation method <u>art</u> C540

Table 5. Voluntary Actions Taken to Reduce Methane Emissions During Reporting Year

Number of reciprocating compressors with rod packing leaks or vents routed to VRU or beneficial use during reporting year	
Number of reciprocating compressors with rod packing leaks or vents routed to flare or control device during reporting year	
Number of reciprocating compressors for which rod packing was replaced during reporting year	
Emission reductions from voluntary action (mt CHa)	

Additional Information

This space provides an opportunity for reporting optional, qualitative information that was not covered in the above data elements which communicates progress on the applicable commitment.

1 In Subpart W, this activity is reported on tab (p) Reciprocating Compressors.

7 of 35

Based on your commitment, please fill out all of the fields below. Hitting the tab key after data entry will automatically take you to the next data-entry field.

For additional information about the data being reguested, and for further detail on guantification methodologies, please refer to the "BMP Commitment Option Technical Document" docume

Partner Name	Facility Name	Report Year
SAMPLE PARTNER	SAMPLE FACILITY	20XX
Gathering and Boosting Reciprocating Compressors ¹		Return to Facility Info

Gathering and Boosting Reciprocating Compressors¹

Table 1. Gathering and Boosting Reciprocating Compressors

Number of reciprocating compressors	Annual CH ₄ Emissions (mt CH ₄)

Table 2. Gathering and Boosting Reciprocating Compressors - Rod Packing Replacement

If the release point changed or controls were added during the reporting year, please provide a different unique name or compressor ID for the reconfigured emission source and the operating data associated with the reconfiguration.

Unique name or ID for compressor	Is rod packing replacement occurring every 26,000 hours or 36 months? (Y/N)	Date of last rod packing replacement (mm/dd/yyyy)	Number of operating hours since rod packing replacement	Where are rod packing venting emissions from the compressor released?	Is compressor part of a manifolded group of compressor sources? (Y/N)

Table 3. Voluntary Actions Taken to Reduce Methane Emissions During Reporting Year

Number of reciprocating compressors with rod packing leaks or vents routed to VRU or beneficial use during reporting year	
Number of reciprocating compressors with rod packing leaks or vents routed to flare or control device during reporting year	
Number of reciprocating compressors for which rod packing was replaced during reporting year	
Methodology used to quantify reductions	
Emission reductions from voluntary action (mt CH_a)	

Additional Information

This space provides an opportunity for reporting optional, qualitative information that was not covered in the above data elements which communicates progress on the applicable commitment.

1 In Subpart W, this activity is reported on tab (p) Reciprocating Compressors.

Based on your commitment, please fill out all of the fields below. Hitting the tab key after data entry will automatically take you to the next data-entry field.

al information about the data being requested, and for further detail on quantification methodologies, please refer to the "BMP Commitment Option Technical Document" document bund on the Methe

Partner Name	Facility Name	Report Year
SAMPLE PARTNER	SAMPLE FACILITY	20XX
Processing and Transmission and	Storage Centrifugal Compressors ¹	Return to Facility Info

Processing and Transmission and Storage Centrifugal Compressors¹

Table 1. Processing and Transmission and Storage - Centrifugal Compressors with Wet Seals

If the release point changed or controls were added during the reporting year, please provide a different unique name or compressor ID for the reconfigured emission source and the operating data associated with the reconfiguration.

Unique name or ID for centrifugal compressor with wet seals	Number of wet seals	Hours in operating mode	Is compressor part of a manifolded group of compressor sources? (YIN)	Where are wet seal degassing emissions from the compressor released?	Was compressor in not- operating-depressurized-mode all year? (YIN)
	-				

Table 2. Processing and Transmission and Storage Centrifugal Compressors with Dry Seals

Number of centrifugal compressors with dry seals

Table 3. Processing and Transmission and Storage Centrifugal Compressors with Wet Seal Degassing Vented to the Atmosphere¹

			Measured volumetric flow rate individu	at standard conditions from the ual vent	
Unique name or ID for the individual leak or vent to the atmosphere	Unique name or ID for centrifugal compressor with wet seal degassing vented to the atmosphere	Emissions Calculation Method	As found when in operating mode (scfh)	Continuous during the reporting year (MMscf)	Annual CH, emissions (mt CH)

Table 4. Processing and Transmission and Storage Centrifugal Compressors - Reporter Emission Factor

Reporter EF (scfh)	Number of measured compressors (during the current year and 2 previous years) from which the reporter EF was developed

Table 5. Alternate Calculation Method for Facilities Not Reported to Subpart W ONLY

Annual CH, emissions using the alternate calculation method (mt CH,)

Table 6. Voluntary Actions Taken to Reduce Methane Emissions During Reporting Year

Number of wet seal compressor de-gassing leaks or vents routed to VRU or beneficial use during reporting year	
Number of wet seal compressor de-gassing leaks or vents routed to flare or control device during reporting year	
Number of wet seal compressors converted to dry seal	
Emission reductions from voluntary action (mt CH)	

Additional Information

This space provides an opportunity for reporting optional, qualitative information that was not covered in the above data elements which communicates progress on the applicable commitment.

1 In Subpart W, this activity is reported on tab (o) Centrifugal Compressors.

Atmosphere Flare Vapor Recovery Combustion (fuel or thermal oxidizer)

As Found Measurement Continuous Measurement Reporter Emission Factor

Based on your commitment, please fill out all of the fields below. Hitting the tab key after data entry will automatically take you to the next data-entry field.

For additional information about the data being requested, and for further detail on quantification methodologies, please refer to the "BMP Commitment Option Technical Document" docu

Partner Name	Facility Name	Report Year
SAMPLE PARTNER	SAMPLE FACILITY	20XX

Production, Gathering and Boosting, and Transmission and Storage Natural Gas Continuous Bleed Pneumatic Controllers¹

Table 1. Production, Gathering and Boosting, and Transmission and Storage Continuous Bleed Natural Gas Pneumatic Controllers

Type of Pneumatic Device	Total Number	Average operating hours per controller (hr/yr)	Total CH_4 Emissions (mt CH_4)
High-bleed pneumatic controllers (greater than 6 scf per hour)			
Low-bleed pneumatic controllers (less than or equal to 6 scf per hour)			

For Production and Gathering & Boosting facilities in the first two years of reporting, total number of pneumatic devices should be the sum of actual and estimated counts.

Return to Facility Info

Table 2. Production, Gathering and Boosting, and Transmission and Storage Continuous Bleed Natural Gas Pneumatic Controllers - Operational Exemptions

Number of high-bleed controllers claiming operational exemptions	
Rationale for operational exemption	

Table 3. Voluntary Actions Taken to Reduce Methane Emissions During Reporting Year

Number of high-bleed controllers converted to low-bleed	
Number of high-bleed controllers converted to zero emitting or removed from service	
Number of low bleed controllers converted to zero emitting or removed from service	
Number of intermittent-bleed controllers converted to zero emitting or removed from service	
If converting or removing intermittent-bleed controllers, mitigation technology(ies) used	
Emission reductions from voluntary action (mt CH_{4})	

Additional Information

This space provides an opportunity for reporting optional, qualitative information that was not covered in the above data elements which communicates progress on the applicable commitment.

1 In Subpart W, this activity is reported on tab (b) NG Pneumatic Device.

Based on your commitment, please fill out all of the fields below. Hittii

For additional information about the data being requested, and for fur

Partner Name

SAMPLE PARTNER

Production and Gathering and Boosting Fixed Roc

Basin ID

Table 1: Gas-liquid separator, non-separator equipm

Sub-Basin ID	
	_
	_
	_
	_

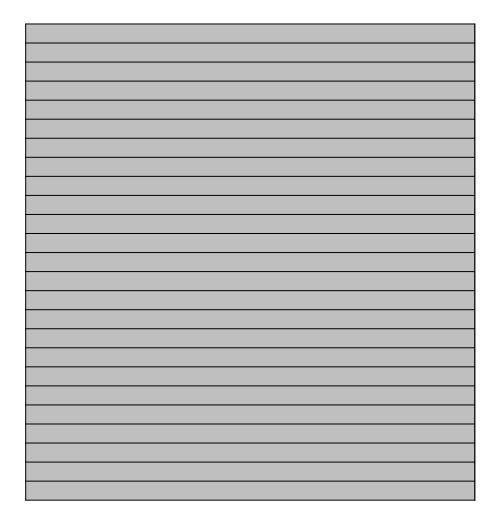


Table 2: Gas-liquid separator, non-separator equip

Sub-Basin ID

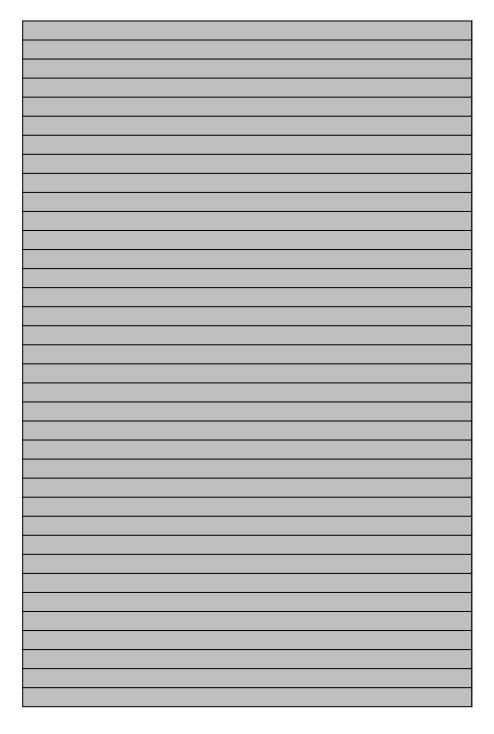


Table 3. Voluntary Actions Taken to Reduce Metha

Total number of tanks in the basin

Number of tanks routed to VRU or beneficial use

Number of tanks routed to flare or controls device

Emission reductions from voluntary action (mt CH4)

Additional Information

This space provides an opportunity for reporting optional, qualitative i the above data elements which communicates progress on the applic

¹In Subpart W, this activity is reported on tab (j) Atmospheric Storage

ng the tab key after data entry will automatically take you to the next data-entry field.

ther detail on quantification methodologies, please refer to the "BMP Commitment Option Technical L

Facility Name	Report Year
SAMPLE FACILITY	20XX

of, Atmospheric Pressure Hydrocarbon Liquid Storage Tanks¹

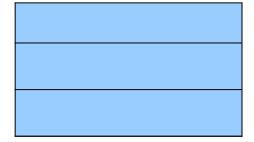
ent, or well with oil throughput ≥10 barrels/day using Calculation Method

County and State	Calculation Method Used	Count of atmospheric tanks that vent directly to the atmosphere

ment, or well with oil throughput <10 barrels/day using Calculation Metho

County and State	Count of tanks that vent directly to atmosphere	Count of tanks equipped with vapor recovery system emission control measures

ne Emissions During Reporting Year



nformation that was not covered in able commitment.

Tanks.

ocument" document found on

Return to Facility Info

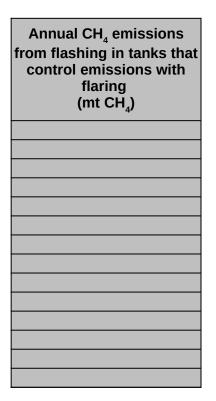
1 or 2

Count of atmospheric tanks with vapor recovery system emission control measures	Count of atmospheric tanks with flaring emission control measures	Annual CH_4 emissions from flashing in atmospheric tanks venting directly to the atmosphere (mt CH_4)

d 3

Count of tanks with flaring emission control measures	Annual CH ₄ emission from venting directly to the atmosphere (mt CH ₄)	Annual CH ₄ emissions from flashing in tanks equipped with vapor recovery systems (mt CH ₄)

Annual CH ₄ emissions from flashing in atmospheric tanks equipped with vapor recovery systems (mt CH ₄)	Annual CH ₄ emissions from flashing in atmospheric tanks that control emissions with flaring (mt CH ₄)



ased on your commitment, please fill out all of the fields below. Hitting the tab key after data entry will automatically take you to the next data-entry field.	

Partan Nama Report Yaar Ranget Kating Ranget Kacily Sinx

Unique name or ID for compressor	Compressor Type (Reciprocating: Centrifugal)	Hours is operating-mode	Hours in standby-pressurized- mode	Hours in not-operating- depressurized-mode	Is compressor part of a manifolded group of compressor sources? (VN)	Where are blowdown value emissions from the compressor released?	Where are isolation valve emissions from the compressor celeased?	Was compressor in not- operating-depressuitzed-mod all year? (YN)		

ble 2. Equipment Leaks (Compressor Isolation an	d Blowdown Valves) - Com	ponent-level Data										Measured volumetric flow at standard conditions from the component		L
Unique name or ID for the individual leak or vent to the Minosphere	Unique mame or ID for compressor	Type of Component (isolation value, Bioselows value)	Did you repair or replace this component during the calendar year? (Repair, Replace, NA)	tf repaired or replaced, date of repair or replacement	Did you implement an enhanced maintenance program on the component this year? (Tes.No)	If enhanced maintenance implemented, provide pertinent details on the maintenance activities.	Node in which the compressor was operating when measured (Operating: Standby- pressurised, Not-operating depressurised)	Measurement Method Used	Meanurement Date	Was this measurement taken before or after a mitigation action was implemented during the calendar year (if applicable (Before: After: N/A)	Emissions Calculation Method	As found (scfb)	Continuous (annual MMscf)	Annual CH, emissi (mt CH)
														-
														(
														1
														+
														1
														1
							1							
														1
														-
														+
														1
														-
														1
							1							
			· · · · · · · · · · · · · · · · · · ·											
														1
														+
			-											1
														1
														1
														t
														1
														(
														(

own Valves) - Data for Additional Surveys Conducted

Table 3. Equipment Leaks (Compressor Isolation and Blowdown Valves) - Data for Additional Surveys Conducted										
This halfs can be award to encode details on additional survers taken threadened the calmader man								Measured volumetric flow at standard conditions from the component		
This fable can be used to provide default on edd/ficed surveys falses through	hod be calendar year									
Unique name or ID for the individual leak or vent to the strategylere	Unique name or ID for compressor	Type of Component (Isolation value; Blowdown valve)	Mode in which the compressor was operating when measured (Operating) Standby- pressurized; Not-operating depressurized)	Measurement Method Used	Measurement Date	Was this measurement taken before or after a mitigation action was implemented during the calendar year (if applicable glefces; After; NiK)	Emissions Calculation Method	As found (scfb)	Continuous (annual Mittach	Annual CH, emissions (RE CH.)
		1								

able 4. Equipment Leaks (Compressor Isolation and Blowdown Valves) - Reporter Emission Factors							
Compressor Type	Compressor Mode	Compressor Source	Reporter EF (sch)	Number of measured compressors (during the current year and 2 previous years) from which the reporter SF was developed			
reastugal	Operating	idowdown valve					
reatingal	Nat-operating	solution valve					
sciprocating	Operating	idowdown valve					
nciprocating	Standby-pressurized	lifowdown valve					
eciprocating	Not-operating-depressurized	solation valve					

Table 5. Equipment Leaks (Comp ressor isolation and Blowdor wn Valves) - Leak Inspection and RepairlRepla

lumber of surveys at this facility during the calendar year		
ion many compressors at this facility were surveyed this year	,	
iow many vents indicated value leakage this year?		
iow many leaking isolation valves were repaired or replaced th	us year?	
iow many leaking blowdown valves were regained or replaced	this year?	
iow many leaking isolation valves were routed to a capture sy	sters for beneficial use?	
iow many leaking blowdown valves were routed to a capture s	ystem for beneficial use?	
iow many leaking isolation valves were routed to flare or cont	rol device?	
iow many leaking blowdown valves were routed to flare or con	eral device?	
valves were repaired or replaced, use this space to provide ny pertinent details on the replacement/repaired valve's erformance, installation, and design considerations		

Table 6. Equipment Leaks (Compressor Isolation and Blowdown Valves) - Volu	ntary Actions Taken to Red	duce Methane Emissions During Reporting Year
Has the inspection and maintenance program been rolled-out to this facility? (Yes; No)		
Emission reductions from voluntary action (nt CHJ)		

Additional Information This space provides an opportunity for reporting optional, qualitative information that was not covered in the above data elements which communicates progress on the applicable commitment.

Return to Facility Info

Based on your commitment, please fill out all of the fields below. Hitting the tab key after data entry will automatically take you to the next data-entry field.

For additional information about the data being requested, please refer to the "BMP Commitment Option Technical Document" document found on the Methane Challenge

 Partner Name
 Facility Name
 Report Year

 SAMPLE PARTNER
 SAMPLE FACILITY
 20XX

Renewable Natural Gas

Table 1. General Information				
h	Directly interconnecting with biogas project	users	attributes for RNG that is physically connected to the company's system	
What role(s) does your company play in the RNG process?				

Does your company offer a 'green gas' option to residential customers?

Table 2. Information About the Biogas Source

What is the feedstock for the biogas?	 Name the specific municipal solid waste landfill or digester from which the RNG was generated	What upgrading technology was used?

Table 3. Information About the Pipeline Interconnect(s)

 If interconnect with natural gas company	If interconnect with biogas project:						
Name of interconnecting company	(latitude)	Location of the interconnect (longitude)	Volume of gas received this year (scf gas)	Reference to the company's gas quality standards that are applicable to this project (e.g., pipeline tariff)	How far is the interconnect from the feedstock source (km)?	Is there a virtual pipeline?	If yes, details about the virtual pipeline

Table 4. Information about the end use(s) and environmental attributes

Biogas Project ID (if known)	What is the destinated market for the RNG (region/city/state/facility) [if known]?	What is the designated end use?	Specify "Other" end use	Volume of RNG going to this end use, this year (scf gas) [if known]	Does your company currently own the environmental attributes for the RNG?	environmental attributes now, who does? [If known]	point did, own the attributes for RNG, does your supply contract for "renewable" natural gas include conveyance of environmental attributes to your company (e.g., by	"renewable" natural gas supply to	Is your company using a third party provider to certify or track attributes? If so, which one(s)?

Table 5. Information about the Partner's strategy for supply of "low carbon fuels"

Company-specific goals or strategies for supply of "low carbon fuels" (such as upgraded biogas, hydrogen, etc.) (e.g., percent of natural gas supply to be RNG by a certain year; convert vehicle fleet to run on natural gas and use RNG for fuel), if applicable	
Is your company blending hydrogen into its natural gas supply?	
At what rate will you be blending (% hydrogen by volume)	
What is the source and/or feedstock of the hydrogen? (e.g., renewable/nuclear/etc.)	
Is any upgrading/cleaning of the hydrogen required before injection?	
What pipeline types does your company inject hydrogen into (material and pressure)?	
Have you done any related customer engagement?	
Has anything been done to customer appliances (if yes, what)?	

.

Additional Information	
This space provides an opportunit	y for reporting optional, qualitative information that was not covered in the above data elements.
Additional information on the role(s) your company plays in the RNG process or 'green gas' offerings	
Additional information on the biogas project(s)/ upgrading process(es)	
Additional information on the interconnect process	
Additional information on the end use(s)	
Additional information about environmental attributes	

Partners may provide information on technologies/practices/approach currently included in the program. This information may be provided c please upload it with your BMP form(s) in e-GGRT.

For additional information about the data being requested, please refe

Partner Name

SAMPLE PARTNER

Innovative Technologies, Practices, and Approach

BEFORE SUBMITTING INFORMATION UNDER THIS

Applicable emission source(s)

Applicable industry segments

Name of technology/practice(s) to mitigate emissions from that source

Scope of implementation

Confirmation the technology/practice is covered by regulation (federal, state, local)

A description of the technology/practice(s)

Description of how widely available technology is

Description of any technical infeasibilities/issues that need to be addressed

Estimated range of emission reductions achievable and methodology used to develop the estimate

Assessment of cost-effectiveness

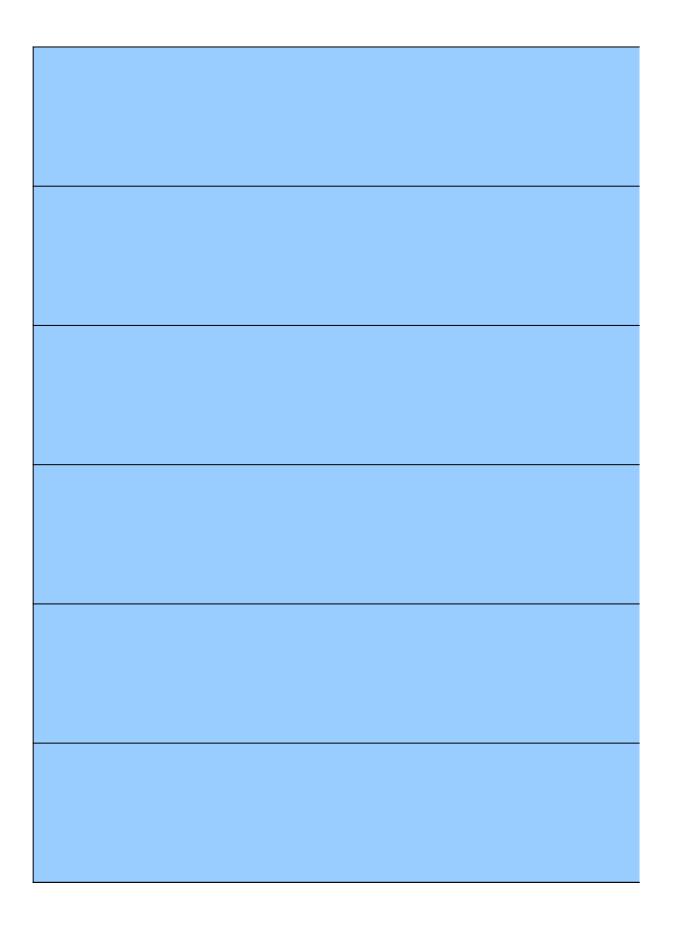
Data elements needed to monitor progress in reducing methane emissions

Any other information needed to fully understand the technology/practice/approach

nes to mitigate emissions from existing emission sources in the program, or for emission sources not on this form, or as a standalone Word document/PDF. If using a Microsoft Word document or PDF,

er to the "BMP Commitment Option Technical Document" document found on the Methane Challenge w

Facility Name	Report Year	
SAMPLE FACILITY	20XX	
es	Return to Facility Info	
3 MECHANISM, PLEASE EMAIL GASSTAR@EPA.GC		





IE TOPIC