TCEQ Emission Event Reporting
Component Calculation Spreadsheet

Targa Resources
Field Event Emissions Calc sheet

Leak Calculations

Date/Time of Discovery	6/6/25 8:03
Date/Time Leak was Isolated	6/6/25 20:00
Diameter of hole, In	0.500
Diameter of Pipe, In	10
Pipeline Initial Pressure, PSIG	60

Blowdown Calculations

Blowdowns Controlled? Yes

Blowdown #1

Diameter of Pipe, In	10
Length Blown Down, Ft	3062
Pipeline Initial Pressure, PSIG	60
Pipeline End Pressure, PSIG	0
Temperature (F) inside pipe	60
Blowdown #1 Volume	6.82

Blowdown #2

Diameter of Pipe, In	
Length Blown Down, Ft	
Pipeline Initial Pressure, PSIG	
Pipeline End Pressure, PSIG	
Temperature (F) inside pipe	
Blowdown #4 Volume	0.00

Blowdown #3

Diameter of Pipe, In	
Length Blown Down, Ft	
Pipeline Initial Pressure, PSIG	
Pipeline End Pressure, PSIG	
Temperature (F) inside pipe	
Blowdown #2 Volume	0.00

Blowdown #4

Diameter of Pipe, In	
Length Blown Down, Ft	
Pipeline Initial Pressure, PSIG	
Pipeline End Pressure, PSIG	
Temperature (F) inside pipe	60
Blowdown #5 Volume	0.00

Blowdown #5

Diameter of Pipe, In	
Length Blown Down, Ft	
Pipeline Initial Pressure, PSIG	
Pipeline End Pressure, PSIG	
Temperature (F) inside pipe	
Blowdown #3 Volume	0.00

Blowdown #6

Diameter of Pipe, In	
Length Blown Down, Ft	
Pipeline Initial Pressure, PSIG	
Pipeline End Pressure, PSIG	
Temperature (F) inside pipe	
Blowdown #6 Volume	0.00

Blowdown #7

Diameter of Pipe, In	
Length Blown Down, Ft	
Pipeline Initial Pressure, PSIG	
Pipeline End Pressure, PSIG	
Temperature (F) inside pipe	
Blowdown #4 Volume	0.00

Blowdown #8

Diameter of Pipe, In	
Length Blown Down, Ft	
Pipeline Initial Pressure, PSIG	
Pipeline End Pressure, PSIG	
Temperature (F) inside pipe	
Blowdown #5 Volume	0.00

Blowdown #9

Diameter of Pipe, In	
Length Blown Down, Ft	
Pipeline Initial Pressure, PSIG	
Pipeline End Pressure, PSIG	
Temperature (F) inside pipe	
Blowdown #6 Volume	0.00

Gas Composition

Gas Component	Mole %
H2S	
Carbon Dioxide	
Nitrogen	
Methane	
Ethane	
Propane	
iso-Butane	
n-Butane	
iso-Pentane	
n-Pentane	
Cyclohexane	
Hexanes	
Heptanes	
Octanes	
Nonanes	
Decanes	
Benzene	
Toluene	
Xylenes	
Ethylbenzene	

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Time of Event, HR =	11.95
Leak Volume, MCF =	223.17
Blowdown Volume, MCF =	6.82
Total Volume, MCF =	**229.98**

Component	Total Pounds Vented + Flared	Flow Rate (lb/hr)	Flow Rate (lb/24-Hours)	Reportable Quantity 24 hours	Exceeded RQ?	REPORT OR OK?
Carbon Monoxide (CO)	0.00	0.00	0.00	5,000.00	No	OK!
Hydrogen Sulfide	0.00	0.00	0.00	100.00	No	OK!
Oxides of Nitrogen (NOx) NRC	0.00	0.00	0.00	1,000.00	No	OK!
Oxides of Nitrogen (NOx) TCEQ	0.00	0.00	0.00	5,000.00	No	OK!
Sulfur Dioxide	0.00	0.00	0.00	500.00	No	OK!
Natural Gas VOCs	0.00	0.00	0.00	5,000.00	No	OK!
Component	Total Pounds Vented + Flared	Flow Rate (lb/hr)	Flow Rate (lb/24-Hours)	Reportable Quantity 24 hours	Exceeded RQ?	REPORT OR OK?
Benzene	0.00	0.00	0.00	10.00	No	OK!
Butane	0.00	0.00	0.00	5,000.00	No	OK!
Carbon Monoxide (CO)	0.00	0.00	0.00	5,000.00	No	OK!
Cyclohexane	0.00	0.00	0.00	1,000.00	No	OK!
Decane	0.00	0.00	0.00	5,000.00	No	OK!
Ethylbenzene	0.00	0.00	0.00	1,000.00	No	OK!
Heptane	0.00	0.00	0.00	5,000.00	No	OK!
Hexane	0.00	0.00	0.00	5,000.00	No	OK!
Hydrogen Sulfide	0.00	0.00	0.00	100.00	No	OK!
Nonane	0.00	0.00	0.00	5,000.00	No	OK!
Oxides of Nitrogen (NOx)	0.00	0.00	0.00	1,000.00	No	OK!
Octane	0.00	0.00	0.00	5,000.00	No	OK!
Pentane	0.00	0.00	0.00	5,000.00	No	OK!
Propane	0.00	0.00	0.00	5,000.00	No	OK!
Sulfur Dioxide	0.00	0.00	0.00	500.00	No	OK!
Toluene	0.00	0.00	0.00	1,000.00	No	OK!
Xylene	0.00	0.00	0.00	100.00	No	OK!

Updated 09/19/2023

TARGA

Spill to Land Volume Estimation Calculator

First, answer the two questions to the right regarding site conditions. Then enter information in the calculator for the shape that best represents the spill.

Clear All

Does the spill area have a high slope?	No

Is the spill area wet from rain?	No

Circular Shape Spill

Enter Diameter **(ft)**	
Enter Average Depth of Liquid Pool **(in)**	
Enter the percentage of the circle that is covered by the spill	
Select Viscosity Dependent Parameter	
Is the Average Depth of Liquid Penetration known?	
If known, enter Average Depth of Liquid Penetration Into Soil **(in)**	
Select Surface Type	Gravel
Estimated Spill Volume (bbls)	
Estimated Spill Volume (gals)	

Square or Rectangular Shape spill

Enter Length **(ft)**	10
Enter Width **(ft)**	10
Enter Average Depth of Liquid Pool **(in)**	2
Enter the percentage of the rectangle that is covered by the spill	95%
Select Viscosity Dependent Parameter	High (ex. Light fuel oils)
Is the Average Depth of Liquid Penetration known?	No
If known, enter Average Depth of Liquid Penetration Into Soil **(in)**	0.5
Select Surface Type	Sand
Estimated Spill Volume (bbls)	3.4
Estimated Spill Volume (gals)	140.0

Oval Shape Spill

Enter Length of Short Side **(ft)**	
Enter Length of Long Side**(ft)**	
Enter Average Depth of Liquid Pool **(in)**	
Enter the percentage of the oval that is covered by the spill	
Select Viscosity Dependent Parameter	
Is the Average Depth of Liquid Penetration known?	
If known, enter Average Depth of Liquid Penetration Into Soil **(in)**	
Select Surface Type	
Estimated Spill Volume (bbls)	
Estimated Spill Volume (gals)	

Irregular Shape Spill

Choose number of Rectangles	

Rectangle 1	
Enter Length (ft)	
Enter Width (ft)	
Enter the percentage of the rectangle that is covered by the spill	
Enter Average Depth of Liquid Pool **(in)**	
Select Viscosity Dependent Parameter	
Is the Average Depth of Liquid Penetration known?	
If known, enter Average Depth of Liquid Penetration Into Soil **(in)**	
Select Surface Type	
Estimated Spill Volume of Rectangle (bbls)	
Estimated Spill Volume of Rectangle (gals)	

Total Estimated Spill Volume (bbls)	
Total Estimated Spill Volume (gals)	

For Irregular shape spills, divide the shape into rectangles that roughly encompass the spill area. For more information see Notes Tab.

Sante Fe Main Office
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https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 472787

QUESTIONS

Operator: TARGA MIDSTREAM SERVICES LLC 811 Louisiana Street Houston, TX 77002	OGRID: 24650
	Action Number: 472787
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2516146739**
Incident Name	**NAPP2516146739 LEAK #51 @ 0**
Incident Type	**Natural Gas Release**
Incident Status	**Initial C-141 Received**
Incident Facility	**[fAPP2123021777] Targa NM Gathering System**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Leak #51
Date Release Discovered	06/06/2025
Surface Owner	State

Incident Details	
Please answer all the questions in this group.	
Incident Type	Natural Gas Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	*Not answered.*
Produced Water Released (bbls) Details	*Not answered.*
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Cause: Corrosion | Pipeline (Any) | Condensate | Released: 3 BBL | Recovered: 0 BBL | Lost: 3 BBL.
Natural Gas Vented (Mcf) Details	Cause: Corrosion | Pipeline (Any) | Natural Gas Vented | Released: 230 MCF | Recovered: 0 MCF | Lost: 230 MCF.
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

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QUESTIONS (continued)

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QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**Yes, according to supplied volumes this will be treated as a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**No**
Reasons why this would be considered a submission for a notification of a major release	*Unavailable.*

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Amber Groves Title: Environmental Specialist Email: agroves@targaresources.com Date: 06/10/2025

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QUESTIONS (continued)

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	Action Number: 472787
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	*Not answered.*
What method was used to determine the depth to ground water	*Not answered.*
Did this release impact groundwater or surface water	*Not answered.*
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	*Not answered.*
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	*Not answered.*
An occupied permanent residence, school, hospital, institution, or church	*Not answered.*
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	*Not answered.*
Any other fresh water well or spring	*Not answered.*
Incorporated municipal boundaries or a defined municipal fresh water well field	*Not answered.*
A wetland	*Not answered.*
A subsurface mine	*Not answered.*
An (non-karst) unstable area	*Not answered.*
Categorize the risk of this well / site being in a karst geology	*Not answered.*
A 100-year floodplain	*Not answered.*
Did the release impact areas not on an exploration, development, production, or storage site	*Not answered.*

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	No
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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CONDITIONS

Operator: TARGA MIDSTREAM SERVICES LLC 811 Louisiana Street Houston, TX 77002	OGRID: 24650
	Action Number: 472787
	Action Type: [C-141] Initial C-141 (C-141-v-Initial)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Spill calculations and initial C-141 accepted and approved for record.	6/11/2025