Pine	eline System: Distribution – service line		Operator:	MDU	
-		Number:	_ ~ por acorr		Activity Number:
Loc	ation: Rapid City	_	Date of Occ	urrence:	2/10/2023
Mat	terial Released: Natural Gas		Quantity:	22.0 N	MCF
PH	MSA Arrival Time & Date: NA		- Total Dama	ges \$:	Estimated \$752,638
Inv	estigation Responsibility: _x_ State	PHM:	SA _ N	ΓSB	_Other
Ca	ompany Reported Apparent Cause:	Company	Reported Sui	b-Cause (from PHMSA Form 7000-1/7100.2):
	Corrosion				
	Natural Force Damage				
	Excavation Damage				
X	Other Outside Force Damage	Vehicle hit	meter set		
	Material Failure (Pipe, Joint, Weld)				
	Equipment Failure				
	Incorrect Operation				
	Other				
A	ccident/Incident Resulted in (check all	that apply):	Comm	ents:	
	Rupture				
X	Leak				
X	Fire				
X	Explosion				

Narrative	C
/\/ <i>AIVVAITI\\O</i>	SIIMMANIP

Number of Persons: Unknown Area:

Short summary of the Incident/Accident scenario

Evacuation

On February 10, 2023, at 04:24 am, Montana Dakota Utilities (MDU) received a call reporting a house fire at 1414 Degeest Drive in Rapid City South Dakota. Upon arrival the MDU service technician determined a vehicle traveling in a residential subdivision left the roadway and struck an outside meter set on the house, shearing off the riser at ground level, causing a release of natural gas that ignited. The driver of the vehicle did not survive, and 4 residents of the house were transported to the hospital. The four residents of 1414 Degeest Dr were evacuated, occupants at 1426 Degeest Dr and 1392 Degeest Dr were also evacuated. Number of people evacuated in PART A is an estimate as number of occupants from 1426 Degeest and 1392 Degeest is unknown at the time of this report. Gas service to 1414 Degeest Dr and 1426 Degeest Dr was lost during the incident. Gas service to 1426 Degeest Dr was restored at approximately 10:00 am. Gas service to 1414 Degeest Dr has been retired. The home at 1414 Degeest was a total loss. The house at 1426 Degeest sustained damage, a camper at this location was a total loss. Three 3 vehicles sustained damage.

Update: April 12, 2023- The police report indicated the speed of the vehicle was estimated at 80 mph using information from a witness. Police report indicates the injuries to the driver of the vehicle and the resulting fire proved to be fatal. No indication of the cause of the fatality in the police or fire report. The fire report indicates access to the vehicle after the gas line was clamped and the fire was controlled allowing recovery of the victim.

The number of reported injuries varies from 2 to 5 individuals on the police, fire, and company first responder reports. No information in the reports could confirm if the injuries required hospitalization.

The houses at 1414 Degeest Dr, 1426 Degeest and 1392 Degeest Dr. were evacuated by unknown persons. The number of residents evacuated is an estimate as no specific information on the number of evacuations is included in the police or fire reports.

The police report indicates total loss or damage to 1 camper trailer, 1 utility trailer, and 6 vehicles. Estimated value of trailers and vehicles - \$100,000.

Updated the estimated property damage information, using information from police and fire reports. 1414 Degeest Dr. - \$500,000 including possessions, 1426 Degeest Dr. - \$100,000 and 1392 Degeest Dr. - \$50,000 Total estimated loss to non-operator - \$750,000

Original service was installed in 2001, No EFV was in fittings.	stalled at time of installation, service line was polyethylene pipe and
Region/State: Central/South Dakota	Reviewed by:
Principal Investigator: Boice Hillmer	Title:
Date: 2-10-2023 -7-31-2023	Date:

	Failure Location	on & Response				
Location (City, Township, Range, County/R	Parish):				(Acquire Map)	
Rapid City, SD, Pennington County						
Address or M.P. on Pipeline:	(1)	Type of Area (R		(1)		
1414 Degeest Drive		city				
Coordinates of failure location (Latitude):		1	gitude):			
Date: 2/10/2023		Time of Failure:	: Call cent	er notified at 04:24	· am	
Time Detected: Tech arrived on scene at 04:58 am		Time Located:	Tech arrive	ed on scene at 04:58	3 am	
How Located: Visual – gas from riser had ignited.						
NRC Report #: (Attach Report)	Time Reported to N	RC:		Reported by:		
1359693	02/10/2023 6:00 CT			MDU		
Type of Pipeline:			I			
Gas Distribution	Gas Transmissio	on Ha	azardous Li	iquid	LNG	
LP	Interstate Gas	Inte	erstate Liqui	id		
Municipal	Intrastate Gas	Intr	rastate Liqui	id		
X Public Utility	Gas GatheringOffshore Li			quid		
Master Meter	Offshore Gas	Liq	uid Gatheri	ng		
_	Offshore Gas - High	n H ₂ S CO)2			
		Lov	_l uid			
		HV	'L			
Pipeline Configuration (Regulator Station, I Customer meter set	Pump Station, Pipelin	e, etc.):				
	Operator/Own	er Information				
Owner: Montana Dakota Utilities		Operator: Sam	e			
Address: 400 N 4th St, Bismarck, ND		Address:				
Company Official: Pat Darras		Company Offici	ial:			
Phone No.: (701) 221-4330 Fax No.:		Phone No.		Fax No.		
	Drug and Alcohol T	esting Program C	ontacts		_x N/A	
Drug Program Contact & Phone:			_			
Alcohol Program Contact & Phone:						

¹ Photo documentation

Damages								
Product/Gas Loss or Spill ⁽²⁾ Estimated Property Damage \$752,638								
Amount Recovered		\$752	Associated Damages ⁽³⁾ \$752,638 – included cost of repair and emergency response.					
Estimated Amount \$138.00								
Description of Property Damage:1414 DeGreest was destroyed, extensive damage to 1426 Degeest. 3 vehicles were damaged, 1 travel trailer camper was destroyed.								
			2.7	2.7				
Customers out of Service:	X Yes	_	_ No		mber: 1			
Suppliers out of Service:	Yes	<u>2</u>	X No	Nu	mber:			
Fatalities and Injuries N/A								
Fatalities:	X Yes	No	Compa	Company: Contract			Public: 1	
Injuries - Hospitalization:	X Yes	No	Compa	Company: Contractor			Public: 4	
Injuries - Non-Hospitalization	: Yes	No	Compa	Company: Contractor			Public:	
Total Injuries (including Non-	-Hospitalization):		Compa	Company: Contractor:			Public:	
Name	Job I	Function		Yrs. w/ Yrs. Comp. Exp.			Type of Injury	
	D.	ww.c/4100	lad Tage	ina			. N/A	
Were all employees that could have contributed to the incident, post-accident tested within the 2 hour time frame for alcohol or the 32 hour time frame for all other drugs? Yes No								
Job Function Test Date & Time				ion		Results	Type of Drug	
Job Function Test Date & Time		Location		Po	s Neg	Type of Drug		
System Description								

² Initial volume lost or spilled 3 Including cleanup cost

System Description									
Describe the Operato	r's System: from distribution main to customer house.								
Service fine fullling	from distribution main to customer nouse.								
	Pipe Failure 1	Descriptionx_N/A							
Length of Failure (in	•	(1)							
,	m, include position on pipe, 6 O'clock): (1)	Description of Failure (Corrosion Gouge, Seam Split): (1)							
(1)									
Laboratory Analysis:	Yes No								
Performed by:									
	d Section or Component:Yes	No							
If Yes - Method:									
In Custody of:	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1								
	Test Survey Plot, if included, should be outli	ses, stress inducing factors, pipe configurations, direction of med with concentrations at test points.							
Component Failure Description _x N/A									
Component Failed:	17/.	(1)							
Manufacturer:		Model:							
Pressure Rating:		Size:							
Other (Breakout Tan	k, Underground Storage):								
	Pipe Da	ta _x_N/A							
Material:	_	Wall Thickness/SDR:							
Diameter (O.D.):		Installation Date:							
SMYS:		Manufacturer:							
Longitudinal Seam:	Longitudinal Seam: Type of Coating:								
Pipe Specifications (A	API 5L, ASTM A53, etc.):								
	Laini	ng x N/A							
Type:	Type: Procedure:								
NDT Method:		Inspected: Yes No							
1.2.2.1.100000									
	Pressure @ Time of Fail	ure @ Failure Site x N/A							
Pressure @ Failure S		Elevation @ Failure Site:							
1 1035u10 to 1 allule 5		Die randii (a) I andre die.							

Pressure @ Time	e of Failure @ Fai	lure Site		x N/A					
Pressure Readings @ Vario		ntions: Direction fr							
Location/M.P./Station #	Pressure (psig)	Elevation (ft msl)	Upstream	Downstream					
Upstrean	n Pump Station Do	ıta		_x N/A					
Type of Product:	API Gravi	ty:							
Specific Gravity:	Flow Rate	:							
Pressure @ Time of Failure (4)	Distance to	Failure Site:							
High Pressure Set Point:	Low Press	ure Set Point:							
Unotugaus Cos	npressor Station L	Nata		x N/A					
Specific Gravity:	Flow Rate			X_ IV/A					
Pressure @ Time of Failure (4)		Distance to Failure Site:							
High Pressure Set Point:		Low Pressure Set Point:							
The Tressare Sections.	20.11000								
O _i	perating Pressure			N/A					
Max. Allowable Operating Pressure: 55 PSI	Determina	tion of MAOP: Pressu	re Test						
Actual Operating Pressure: 50 PSI									
Method of Over Pressure Protection: Regulator Station	1								
Relief Valve Set Point: 55 PSI	Capacity A	Adequate?x_	Yes No)					
Integrit	y Test After Failu	re		x N/A					
Pressure test conducted in place? (Conducted on Failed			Yes	No					
If No, tested after removal?		Yes No	<u> </u>						
Method:									
Describe any failures during the test.									
Soil/water Conditions @ Failure Site x									
Soil/water Conditions @ Failure Site Condition of and Type of Soil around Failure Site (Color, Wet, Dry, Frost Depth):									
Constitution of and Type of Soft around Failure Site (Colo	., ., ., ., ., , 11000 D	-r/·							
Type of Backfill (Size and Description):									
51((2 3557-p 3557).									

⁴ Obtain event logs and pressure recording charts

Soil/water Conditions @ Failure Site									
Type of Water (Salt, Brackish):	Water Analysis (5) Yes No								
External Pipe or Compo	nent Examination x N/A								
External Corrosion?YesNo (1)	Coating Condition (Disbonded, Non-existent):								
Description of Corrosion:									
Description of Failure Surface (Gouges, Arc Burns, Wrinkle Bends, Cracks, Stress Cracks, Chevrons, Fracture Mode, Point of Origin):									
Above Ground: Yes No	Buried: Yes No								
Stress Inducing Factors: (1)	Depth of Cover:								
Cathodic	Protection x N/A								
P/S (Surface):	P/S (Interface):								
Soil Resistivity: pH:	Date of Installation:								
Method of Protection:									
Did the Operator have knowledge of Corrosion before the Incide How Discovered? (Close Interval Survey, Instrumented Pig, And									
Internal Pipe or Comp	oonent Examination _x_ N/A								
Internal Corrosion: YesNoNo	Injected Inhibitors: Yes No								
Type of Inhibitors:	Testing: Yes No								
Results (Coupon Test, Corrosion Resistance Probe):									
Description of Failure Surface (MIC, Pitting, Wall Thinning, Ch	evrons, Fracture Mode, Point of Origin):								
Cleaning Pig Program: Yes No	Gas and/or Liquid Analysis: Yes No								

⁵ Attach copy of water analysis report

Internal Pipe or Component Examinationx N/A										
Results of Gas and/or Liquid Analysis (6)										
Internal Inspection Survey: Yes No Results (7)										
Did the Operator have knowledge of Corrosion before the Incident										
How Discovered? (Instrumented Pig, Coupon Testing, ICDA, etc.)):									
Outside Force										
Responsible Party:	Telephone No.:									
Address:										
Work Being Performed:										
Equipment Involved:	(1) Called One Call System? Yes No NA									
One Call Name:	One Call Report # (8)									
Notice Date:	Time:									
Response Date:	Time:									
Details of Response:										
20mm 01100pom00										
W. J. C. M. L. L. D.	N.									
Was Location Marked According to Procedures? Yes	No									
Pipeline Marking Type:	(1) Location: (1)									
State Law Damage Prevention Program Followed? Yes	NoNo State Law									
Notice Required:YesNo	Response Required: Yes No									
Was Operator Member of State One Call? Yes No No	Was Operator on Site? Yes No									
Did a deficiency in the Public Awareness Program contribute to the	e accident?Yes No									
Is OSHA Notification Required? Yes No										
Natural Forces _x_ N/A										
Description (Earthquake, Tornado, Flooding, Erosion):										

⁶ Attach copy of gas and/or liquid analysis report

⁷ Attach copy of internal inspection survey report

⁸ Attach copy of one-call report

	Natural Forces _x_N/
	Failure Isolation N
Squeeze Off/Stopple Location and Method: Service line	_
VI. OL. I. II.	ID
Valve Closed - Upstream:	I.D.:
Time:	M.P.:
Valve Closed - Downstream:	I.D.:
Time:	M.P.:
<u> </u>	Automatic SCADA Controller ESD
Failed Section Bypassed or Isolated:	Two controls
Performed By:	Valve Spacing:
	Odorization _x_N
Gas Odorized: Yes No	Concentration of Odorant (Post Incident at Failure Site):
Method of Determination: Yes No	% LEL:Yes No
	Time Taken: Yes No
Was Odorizer Working Prior to the Incident? Yes No	Type of Odorizer (Wick, By-Pass):
Odorant Manufacturer:	Type of Odorant:
Model:	
Amount Injected:	Monitoring Interval (Weekly):
Odorization History (Leaks Complaints, Low Odorant L	evels, Monitoring Locations, Distances from Failure Site):
И	Veather Conditions N
Temperature: 19 degrees to 50 degrees	Wind (Direction & Speed): 4.7 to 8.1 MPH
Climate (Snow, Rain): No precipitation	Humidity: 28-57%
	Yes x No
Weather Conditions Prior to Incident (Cloud Cover, Ceil	
2 2 2 (2 (2	6 6 9 9 9

Gas Migration Survey x_ N/A									
Bar Hole Test of Area:Yes _x_No Equipment Used: LZ-30									
Method of Survey (Foundations, Curbs, Manholes, Driveways, Mains, Services) (9) Leak Survey Completed using LZ-30 (1)									
No Bar holing was conducted during leak investigation, MDU's initial leak surveying was conducted using an RMLD serial number 3151. Fire investigation and witness form indicates that they performed leak surveying 100 ft. each direction of service line tee, main from property line to property line, approximately 80 ft. each direction of service line and high pressure main on opposite side of street, etc. No leaks found when surveyed with Lazer.									
Per GPTC Guide material for 192.617 MDU should investigate and document their investigation as follows:									
Guide material 192.617 Investigation of failures 5.1 Incident.									
When a detailed analysis is to be made, a person at the scene of the incident should be designated to coordinate the investigation. That person's responsibilities should include the following.									
(a) Acting as a coordinator for all field investigative personnel.									
(b) Maintaining a log of the personnel, equipment, and witnesses.									
(c) Recording in chronological order the events as they take place.									
(d) Ensuring that photographs are taken of the incident and surrounding areas. These photographs may be of great value in the investigation.									
(e) Ensuring the notification of all appropriate governmental authorities.									
(f) Ensuring the preservation and chain of custody of evidence.									
5.2 Other failures.									
(a) Gather sufficient data to complete the general process for performing root-cause analysis. See 3 above.									
(b) For a failure that does not elevate to the level of an incident, an operator may follow the data collection steps. See 5.1 above.									
Final Constitute Income									
Location (Nearest Rivers, Body of Water, Marshlands, Wildlife Refuge, City Water Supplies that could be or were affected by the medium loss): (1)									
OPA Contingency Plan Available? Yes No Followed? Yes No									
Class Location/High Consequence Area x N/A									
Class Location: 1 _ 2 _ 3 _ 4 _ HCA Area? _ Yes _ No _ N/A Determination: Determination:									
Odorization Required? Yes No N/A									

⁹ Plot on site description page

Pressure Test History (Expand List as Necessary) _x_ N/A											
Req'd (10)Assessm Deadline Date				Test Date		Test Medium		Pressure (psig)	Duration (hrs)		% SMYS
Installation		N/A									
Next											
Next											
Most Recent											
Describe any pro	Describe any problems experienced during the pressure tests.										
		Interna	l Line	_		her Assess Necessary)	sment .	History			_x_ N/A
		Assessment adline Date		essment Date	Type of ILI Tool (11)			Other Assessment Method (12)		Indicated Anomaly If yes, describe below	
Initial										Yes	s _ No
Next										Yes No	
Next										Yes No	
Most Recent										Ye	s No
Describe any proactions.	Describe any previously indicated anomalies at the failed pipe, and any subsequent pipe inspections (anomaly digs) and remedial actions.										
		1	Pre-Fa	ailure Co	nditio	ons and A	ctions				_x_ N/A
		ure condition requon attachment)	iring ⁽¹ N		rator to	o schedule e	evaluat	ion and remed	liation?		
If there was such a known pre-failure condition, had the operator established and adhered to a required ⁽¹⁰⁾ evaluation and remediation schedule? Describe below or on attachment Yes No N/A											
the cause of this	failure?	operator performe Yes tent such operator	No	N/A	A						be related to
Describe any preactions.	eviously ind	licated anomalies	at the f	ailed pipe	e, and a	any subsequ	ient pip	pe inspections	(anomaly	digs) and remedial

¹⁰ As required of Pipeline Integrity Management regulations in 49CFR Parts 192 and 195

¹¹ MFL, TFI, UT, Combination, Geometry, etc.

¹² ECDA, ICDA, SCCDA, "other technology," etc.

Maps & .	Records N/A
Are Maps and Records Current? (13) x Yes No. Comments:	
Leak Sur	vey History N/A
Leak Survey History (Trend Analysis, Leak Plots): Last leak sur	· · ·
Pipeline Oper	ation History _x_ N/A
Description (Repair or Leak Reports, Exposed Pipe Reports):	
Did a Safety Related Condition Exist Prior to Failure?	Yes No Reported? Yes`_ No
Unaccounted For Gas:	
Over & Short/Line Balance (24 hr., Weekly, Monthly/Trend):	
Operator/Contro	actor Errorx N/A
Name:	Job Function:
Title:	Years of Experience:
Training (Type of Training, Background):	·
Was the person "Operator Qualified" as applicable to a precurso	or abnormal operating condition?Yes No N/A
Was qualified individual suspended from performing covered ta	sk Yes No N/A
Type of Error (Inadvertent Operation of a Valve):	
Procedures that are required:	
Actions that were taken:	
Pre-Job Meeting (Construction, Maintenance, Blow Down, Purg	ging, Isolation):
Prevention of Accidental Ignition (Tag & Lock Out, Hot Weld I	Permit):
Procedures conducted for Accidental Ignition:	
Was a Company Inspector on the Job? Yes No	
Was an Inspection conducted on this portion of the job? Y	es No

¹³ Obtain copies of maps and records

Operator/Contractor Error				
Additional Actions (Contributing fact conducted):	ors may include number of hou	ırs at work prior to failu	re or time of day work	being
Training Procedures:				
Operation Procedures:				
Controller Activities:				
Name	Title	Years Experience	Hours on Duty Prior to Failure	Shift
Alarm Parameters:				
High/Low Pressure Shutdown:				
Flow Rate:				
Procedures for Clearing Alarms:				
Type of Alarm:				
Company Response Procedures for A	bnormal Operations:			
Over/Short Line Balance Procedures:				
Frequency of Over/Short Line Balanc	e:			
Additional Actions:				

Additional Actions Taken by the Operator	<u>xN/A</u>
Make notes regarding the emergency and Failure Investigation Procedures (Pressure reduction, Reinforced Squeeze Off,	Clean
Up, Use of Evacuators, Line Purging, closing Additional Valves, Double Block and Bleed, Continue Operating downstre	am
Pumps):	

Photo Documentation (1)

Overall Area from best possible view. Pictures from the four points of the compass. Failed Component, Operator Action, Damages in Area,

Address Markings, etc.

Photo		Photo	
No.	Description	No.	Description
1	Image (1) Sheered off Gas Riser	16	
2	Image (3) Sheered off Gas Riser	17	
3	Image (5) View of Incident Looking North East	18	
4	Image (6) Close up of basement	19	
5	Image (7) Close up of neighbor's camper	20	
6	Image (10) Picture of Burnt Car in basement	21	
7	Image (13) Image of Burnt house from front	22	
8		23	
9		24	
10		25	
11		26	
12		27	
13		28	
14		29	
15		30	
	a Type:		

	Additional l	Information Sources			
Nam	e	Title		Phone Number	
Derek Mann		Reporting Officer			
Chip Premus		Fire Investigator		605-880-6216	
Boice Hillmer		SDPUC Inspector		605-773-4210	
Danny Hood		Manager Policy and Procedures		1-701-516-2749	
Toby Bordewyk		District Manager – Black Hills		1-605-355-4054	
Debbie Buck		Manager of Compliance & OPS Programs		1-406-896-4210	
	Perso	ns Interviewed			
ne		Title		Phone Number	
	Derek Mann Chip Premus Boice Hillmer Danny Hood Toby Bordewyk Debbie Buck	Name Derek Mann Chip Premus Boice Hillmer Danny Hood Toby Bordewyk Debbie Buck	Derek Mann Chip Premus Fire Investigator Boice Hillmer SDPUC Inspector SDPUC Inspector Manager Policy an Procedures Toby Bordewyk District Manager – Bl Hills Manager of Complian OPS Programs Persons Interviewed	Name Derek Mann Reporting Officer Chip Premus Fire Investigator Boice Hillmer SDPUC Inspector Danny Hood Manager Policy and Procedures District Manager – Black Hills Debbie Buck Manager of Compliance & OPS Programs Persons Interviewed	

	Event Log
	its prior, during, and after the incident by time. (Consider the events of all parties involved in the incident, Fire Police reports, Operator Logs and other government agencies.)
Time / Date	Event
4:14 AM 2/10/2023	Fire Department Alarm
4:23 AM 2/10/2023	Fire Department Arrives on Scene
4:24 AM 2/10/2023	Gas Ignites/Explosion
4:58 AM 10/23/2023	First Responder Arrives on scene from MDU Bruce Heying
5:55 AM 2/10/2023	Gas Line Squeezed off by MDU between main and riser in customer's yard.
9:00 AM 2/10/2023	Repairs completed (service retired.)

		Investi	gation Contact Log
Time	Date	Name	Description
7:39 AM	2-10-2023	Alvaro Rodriguez	Emailed Mary Zanter looking for update on Incident Report # 1359693
8:39 AM	2-10-2023	Mary Zanter	Sent from 11 to Toby Bordewyk for additional Info.
9:35 AM	2-10-2023	Toby Bordewyk	Toby responds to Mary's email from 2-10-2023 @ 8:39 AM
9:42 AM	2-10-2023	Mary Zanter	Mary Zanter responds to Toby's email in regard to additional information needed on form 11 that MDU needs to provide.
12:40 PM	2-10-2023	Mary Zanter	Mary Zanter provides update to Alvaro Rodriguez
1:35 PM	2-10-2023	Alvaro Rodriguez	Alvaro Rodriguez responds to Mary Zanters update.
1:56 PM	2-13-2023	Boice Hillmer	Boice Hillmer asks Toby Bordewyk question about excess flow valve.
2:01 PM	2-13-2023	Toby Bordewyk	Toby responds that there was no excess flow valve installed on service line.
9:14 AM	3-10-2023	Boice Hillmer	Sent E-maul to Danny Hood requesting additional information for form 11.
1:47 PM	3/10/2023	Danny Hood	Received E-mail from Danny Hood with MAOP and operating pressure information.
2:26 PM	3/10/2023	Boice Hillmer	Sent E-mail to Danny Hood requesting additional leak survey information/squeeze off/when repairs are completed, etc.
8:31 AM	3/13/2023	Danny Hood	Received E-Mail from Danny Hood with when Initial call was received, first responder on scene, service line squeezed off, when service was retired.
2:51 PM	3/14/2023	Mary Zanter	Requesting additional clarification from MDU on Form F7100.1.
12:22 PM	3-28-2023	Danny Hood	MDU waiting for police and fire department report, to complet the incident report.
9:14 AM	4-14-2023	Danny Hood	Provided PHMSA 7100.1 form with clarifications.
9:49 AM	4-14-2023	Boice Hillmer	Questioned whether an explosion occurred under question 21d of PHMSA 7100.1 form.
8:32 AM	4-24-2023	Boice Hillmer	Had to ask Danny Hood to follow up on question 21d again.
1:19 PM	4-28-2023	Danny Hood	Provided copies of Fire Department and Police Department reports, and an explanation of question 21d as to why they did not classify it as an explosion.
3:29 PM	6-8-2023	Boice Hillmer	Requested timeline of events from MDU.
8:47 AM	6-12-2023	Danny Hood	Danny Hood responded to request for timeline of events.
11:18 AM	6-13-2023	Boice Hillmer	Requested copies of leak survey from Danny Hood.
11:38 AM	6-13-2023	Danny Hood	Requested leak survey information from region office.
	7-14-2023	Danny Hood	Provided requested leak survey information.

Failure Investigation Documentation Log						
Operator:	: Unit #: CPF #: Date:					:
Appendix	Dogume	D				OIA
Number	Documentation Description Received Yes 1			No		

Failure Investigation Documentation Log							
Operator:	ator: Unit #: CPF #: Date						
Appendix	Documentation Description			Date	FC	DIA	
Number	Docum	entation Descripti	011	Received	Yes	No	
1	PHMSA 7100.1 Report			3-14- 2023			
2	PHMSA 7100.1 Report with Cl	larifications		4-14- 2023			
3	Rapid City Police Report			4-28- 2023			
4	Rapid City Fire Department Re	Rapid City Fire Department Report					
5	Fire Investigation and witness information			7-14- 2023			

Site Description

Provide a sketch of the area including distances from roads, houses, stress inducing factors, pipe configurations, etc. Bar Hole Test Survey Plot should be outlined with concentrations at test points. Photos should be taken from all angles with each photo documented. Additional areas may be needed in any area of this guideline.

