# BEFORE THE STATE CORPORATION COMMISSION OF THE STATE OF KANSAS

In the Matter of Atmos Energy's Compliance	)	
Filing of its Accelerated Pipe Replacement Plan	)	Docket No. 18-ATMG-316-CPL
Pursuant to Docket No. 15-GIMG-343-GIG	)	

# SUBMITTAL OF 2021 ANNUAL REPORT OF ATMOS ENERGY CORPORATION

Atmos Energy Corporation ("Atmos Energy" or "Company") submits the attached 2021 annual report to provide information on progress made by Atmos Energy with respect to its Plan for Systematic Accelerated Replacement of Bare Steel Service/Yard Lines and Bare Steel Mains Within Class 3 Locations/Urban Areas ("343 Plan"), which was filed with the Kansas Corporation Commission ("Commission") on April 24, 2018.

- 1. Atmos Energy has historically and continues to engage in extraordinary investment accelerating replacement of infrastructure beyond required levels to benefit its customers through the enhanced safety, reliability and modernization of its system. Over the past decade in Kansas, Atmos Energy has been investing in its infrastructure by replacing and modernizing its bare steel mains and service lines, and has recovered its costs through general rate cases as well as utilizing the provisions of the Gas Safety and Reliability Policy Act of 2006 ("GSRS") to the greatest extent possible to achieve that goal.
- 2. Pursuant to the recommendations included in the Commission Staff's ("Staff") Memorandum filed in Docket No. 15-GIMG-343-GIG ("343 Docket") ("Staff Memorandum"), Atmos Energy submits the report attached hereto as Exhibit A. The report (1) details progress made in the preceding year, explaining any deviation from the preceding year's (2020) projections, any deviation from initial projections, and revising remaining plan projections; and (2) contains an

update of parameters similar to those listed in Tables LMH-1 and LMH-2 that were included in the body of the Staff Memorandum.

3. Atmos Energy remains steadfast in its commitment to the safety of its customers and

continues to make substantial accelerated investments in the safety, reliability and modernization of

its system, of which the investment that meets the characteristics described in the Order issued in

the 343 Docket is only a subset. To the extent applicable, Atmos Energy has developed the attached

Annual Report addressing the topics outlined in the Staff Memorandum. Please note that Atmos

Energy plans its projects on a fiscal year basis, so the data requested on a calendar year basis may

not provide an informative year-over-year comparison.

4. Atmos Energy looks forward to continuing to work with the Commission and its

Staff to expand the systematic replacement described in the 343 Plan to modernize its system in

both urban and rural areas across Kansas and to develop the rate recovery necessary to support that

investment.

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Attorneys for Atmos Energy Corporation

Notary Public

## **VERIFICATION**

STATE OF KANSAS COUNTY OF FRANKLIN, ss:

James G. Flaherty, of lawful age, being first duly sworn on oath, states:

That he is the attorney for Atmos Energy Corporation, named in the foregoing 2021 Annual Report and is duly authorized to make this affidavit; that he has read the foregoing and knows the contents thereof; and that the facts set forth therein are true and correct.

James G. Flaherty

SUBSCRIBED AND SWORN to before me this 2<sup>nd</sup> day of April, 2021.

Appointment/Commission Expires:

NOTARY PUBLIC - State of Kansas
TRACY L. CLIFTON
My Appt. Exp./o-11.0-29

### **CERTIFICATE OF SERVICE**

I hereby certify that a copy of the above and foregoing was sent via electronic mail this  $2^{nd}$  day of April, 2021, addressed to:

Jared N. Geiger

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#### **ATMOS ENERGY 2021 ANNUAL REPORT**

#### I. INTRODUCTION; STATISTICS AND INVESTMENT INFORMATION

- 1. Since the filing of its Plan for Systematic Accelerated Replacement of Bare Steel Service/Yard Lines and Bare Steel Mains within Class 3 Locations/Urban Areas ("343 Plan") on April 24, 2018, Atmos Energy Corporation ("Atmos Energy" or "Company") has continued its proactive approach to risk assessment and pipeline replacement to continue to advance the safety, reliability and modernization of its system for the benefit of its Kansas customers to the extent possible, given both practical and regulatory constraints. To that end, Atmos Energy carefully monitors its system, devotes additional resources as necessary, and accelerates work when appropriate. This includes a comprehensive risk-based approach to prioritizing projects for the replacement of pipelines made of materials prone to leaks and potential failure. This approach is intended to proactively protect our customers and the public in general and permits Atmos Energy to monitor and inspect its system and renew pipe when needed, rather than doing so reactively.
- 2. Over the past year, Atmos Energy has been investing in infrastructure replacement through the capital investment recovered through its base rates and through fully utilizing the GSRS mechanism to address reactive facilities replacement in accordance with the statutory limitations on the use of that mechanism. During calendar year 2020, Atmos invested approximately \$15,755,173 million on GSRS related activities. Further, Atmos Energy invested an additional \$5,902,861 million in safety, reliability and modernization capital projects that were not recoverable through the GSRS. As a result of this investment, Atmos Energy replaced 22 miles of main comprised of bare steel, as well as 710 service lines. Approximately 14 of those miles and 90% of those bare steel services lines were in Class 3 locations/urban areas.

#### II. 343 PLAN STATUS UPDATE

**TABLE 1 - 343 Statistics** 

	343 Plan	CY2018 Historical	CY2019 Historical	CY2020 Historical	CY2021 Projections
Number of Urban Areas	87	79	79	77	73
Miles of Bare Steel Main in Class 3 Locations	596	577	554	541	524
Replacement Rate of Bare Steel Mains in Class 3 Locations (Miles/Year)	17 <sup>1</sup>	14	4	14	17
Number of Bare Steel Service Lines	28,000	18,577	23,192	22,482	21,804
Bare Steel Services Replacement (Lines/Year)	1,370	1461	292	710	678
Miles of Cast Iron Mains	0	0	0	0	0
Years to Completion <sup>2</sup>	35	35	34	33	32

	CY2017	CY2018	CY2019	CY2020	CY2021P
Underground Leaks per 100 Miles of Obsolete Piping	41.2	39.5	30.0	37	N/A
Total Project Cost, Current \$	\$348 million				

3. In 2020, the Company replaced 14 miles of bare steel mains in Class 3 locations and 710 steel services lines. Overall investment in safety, reliability and GSRS decreased slightly in 2020 from 2019 levels, but the overall trend continues upward from historic levels. This is the result of the Company's risk-based approach rather than pursuing projects based solely on 343-

<sup>&</sup>lt;sup>1</sup>This figure represents an average replacement rate over a 35-year period beginning in January 2019.

<sup>&</sup>lt;sup>2</sup>Atmos Energy's 343 Plan reflects a beginning date of January 2019. At this time, the Company's estimated number of years to complete the pipeline replacement described in the Plan has not been revised.

specific qualifying materials.

- 4. Atmos Energy uses a risk ranking model to help determine the order in which to replace pipe. The model considers many factors to determine the likelihood of failure and the consequence of failure. Using these factors, the Company calculates a risk ranking of bare steel in Class 3 locations in 158 areas across 79 cities. The risk ranking methodology creates a score for each of the 158 areas using factors that assess likelihood of failure and consequence of failure. Atmos Energy has continued its discussions with the Staff to provide further insight into the details and mechanics of the risk prioritization model and looks forward to continuing those discussions.
- 5. The Company notes that it has continued to increase its investment in safety and reliability from historical levels. A snapshot of the Company's fiscal year spending, based on 12-months ending September 2020, shows a more accurate view of overall safety and reliability spending levels over the past three years. Using the Company's System Integrity Program, these levels should increase beginning with the plan's commencement in 2021 *See*, Table 2 below.

TABLE 2 - Atmos Energy Fiscal Year Safety and Reliability Investment

	Fiscal 2017	Fiscal 2018	FY 2019	FY 2020	FY 2021
	Historical	Historical	Historical	Historical	Projections
Total Safety, Reliability and GSRS Investment	\$16,777,634	\$18,476.504	\$25,022,392	\$23,152,971	\$26,694,160

**TABLE 3 - Estimated Replacement Costs** 

	343 Plan	CY2018 Historical	CY2019 Historical	CY2020 Historical	CY2021 Projections
Main Replacement (\$/mile)	\$525,000	\$535,000	\$308,470	\$608,082	\$522,993
Service Line Replacement (\$/ea.)	\$1,400	\$1,982	\$2,100	\$2,235	\$2,370

	2015-2017	CY2018	CY2019	CY2020	CY2021P
Total Safety, Reliability and GSRS Spending	\$18,299,984	\$23,250,158	\$23,067,054	\$21,658,034	\$26,694,160

	2016-2017	CY2018	CY2019	CY2020	CY2021P
Average miles undesirable pipe replaced	53	30	8	22	
Average cost of replacing undesirable pipe (\$/mile-equivalent)	\$504,444	\$338,349	\$262,800	\$457,673	\$424,984

6. Atmos Energy is achieving this level of investment by working closely with the communities we serve to coordinate projects to minimize disruption, achieve efficiencies, and maximize customer and community benefits. Using a cohesive communications plan, Atmos Energy is excelling at proactively sharing information and pre-planning with community leaders, which includes council meeting attendance, hosting community events, project signage, flyers, as well as partnering with city communications specialists who access social media to convey this information to the public. In 2020, due to COVID-19, much of this communication was transitioned to a virtual form, but this did not diminish progress. In addition, the Company believes the lessons learned during the pandemic will provide additional tools for communication to further enhance our communication efforts in the future. Building on this success, the Company is planning future events that will seek to share project information with civic leaders. Consistent communication

with the cities Atmos Energy serves, partnered with superior customer service, ensures a measure of trust with all community stakeholders.

7. As an additional benefit to Kansas communities, Atmos Energy's cross bore prevention procedures include camera scoping of sewer lines. This enables the Company to provide cities with electronic GPS mapping of their wastewater system in project areas, which is a substantial benefit for the cities' future maintenance and project planning.

#### III. PLASTIC PIPE DATA

8. As noted in Staff's Memorandum, Kansas pipeline safety regulations currently require plastic piping to be surveyed at least once every five years or as often as necessary, while bare steel piping is required to be surveyed at least once every three years. In discussions with the Staff, Atmos Energy agreed to conduct leak surveys on its plastic pipe inventory on a three-year frequency, which aligns with the frequency of surveys on its bare steel inventory. This approach allows Atmos Energy to efficiently schedule leak surveys across the system and provide for more frequent surveys of obsolete piping. In order to synchronize leak survey schedules, Atmos Energy committed to transition to a more frequent leak survey of plastic piping over a three-year period beginning in 2019. Pursuant to the Staff's recommendation in its Memorandum, Atmos Energy has attached to this Annual Report as Attachment A leak data on plastic pipe that includes the type of plastic, its manufacturer, and date of installation along with the characteristics of the leak in the format created by the American Gas Association Plastic Pipe Database Committee.

#### IV. LOST AND UNACCOUNTED FOR GAS ("L&U") REPORT

9. Atmos Energy submits to the Commission a total L&U for the state of Kansas. In its 343 Plan, the Company stated that beginning in 2019, Atmos Energy would additionally submit the

L&U for cities with more than 10,000 customers. For Atmos Energy, this includes piping in Johnson County that is connected to the Olathe system. The data regarding this system is shown in the table below. However, the Company cautions against the over-reliance on the use of L&U as a significant determinant in measuring the effectiveness of a pipe replacement plan. There are many factors that contribute to L&U including but not limited to measurement, third-party damage, billing errors, leakage and the timing of billing and consumption.

**TABLE 4 - Johnson County Contiguous System** 

Year	Gas In	Gas Out	Known Loss	L&U Volume	L&U Percentage
2020	12,948,075	13,201,473	9,777	263,175	2.03%

#### PIPELINE SAFETY MANAGEMENT SYSTEM

10. The Staff's Memorandum also includes a recommendation that "the Utilities provide a summary of progress made to adopt/implement [a Pipeline Safety Management System (PSMS) as described in API Recommended Practice 1173] as part of their annual progress report." The Staff clarified that its recommendation is not to require that the PSMS be adopted by any certain date but rather to request an update on the status of the Utilities' activities informed by the Recommended Practice. Currently, the practices and procedures of Atmos Energy reflect the elements highlighted in API 1173. Atmos Energy continues to participate in industry discussion groups and workshops to gain expertise and better understand how to further develop and enhance its ongoing implementation of PSMS across its entire organization. Atmos Energy has taken additional voluntary and proactive measures to further the implementation of PSMS. Atmos

Energy updated its initial self-assessment and again engaged its industry leading third-party expert, to perform an enterprise wide PSMS assessment. Atmos Energy has developed a PSMS program to allow it to reach significant and widespread implementation across all elements of a PSMS. These and other efforts in support of PSMS are supported at the highest levels of the organization, with a corporate officer primarily responsible for the design, adoption, and implementation of PSMS.

		ATERIALS SEL				-1	IN:	STALLATION			ON	- 1			FAILURE A		SECTION	- 1.4			Contact Information	
1) Pipe Or a) Type of Fitting Material	ai. If "OTHER"	b) Manufacturer	c) ASTM F2897 16-	DR, M	<u>e)</u> Nominal	2) Date of Manufacture	3) Method of	a) If 4) Type "OTHER" soil in	of a) If. "OTHER" On	5) a). erating Operating	6) Date of Installation	7a) Failure/ Leak Location	7b) Failure/ Leak in Fitting	Zbi).lf. "OTHER"	7c) Failure/ Leak in Joint	Zci).If. "OTHER"	8) Failure/ Leak Cause	8a) If. "OTHER" F	9) Date of ailure/Leak	CONTACT. NAME	E-MAIL	PHONE
Identification	on "a)",			Schedule	Size		Installation	on "3)", contai	t on "4)", Pr	essure Pressure				on "7b)",		on "7c)",		on "8)",				
	please describe		Code, Print Line t	or wall hickness				please with pi	pe please describe at	psig) (normal time of year range				please describe		please describe		<u>please</u> describe				
	here		or Label	ckiic33				here		ilure psig)				here		here		here				
HDPE 3406		Driscopipe	unknown u	nknown u	ınknown	unknown	unknown	unknown Loam		nown unknown	unknown	#N/A					Material Defect		3/3/2022	Davis Chatas	David Chatas (Chinas Caras)	913-254-6375
HDPE 3408			unknown u					unknown Loam					Other (please describe)	unknown			Material Defect		4/6/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-6379
HDPE 3408			unknown u				unknown	unknown Loam		nown unknown		#N/A	,				Previous Impact		1/4/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-6384
HDPE 3408 HDPE 3408			unknown u					unknown Loam		nown unknown		#N/A					Previous Impact		1/5/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-6386
HDPE 3408			unknown u unknown u			unknown	unknown	unknown Loam unknown Loam		known unknown known unknown		#N/A #N/A					Previous Impact Previous Impact		1/14/2020 2/9/2021	Doug Shatas Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-6388 913-254-6396
HDPE 3408			unknown u				unknown	unknown Loam		nown unknown		#N/A					Previous Impact		6/27/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-6401
PVC 1120			unknown u		0.75		unknown	unknown Loam		known unknown		#N/A					Previous Impact		2/9/2021	Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-6403
HDPE 3408 PVC 2116		Performance Pipe Other	unknown u		ınknown 2	unknown unknown	unknown	unknown Loam unknown Loam		nown unknown		#N/A #N/A					Previous Impact Excessive external earth loading		8/26/2020 9/23/2020	Doug Shatas Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-6405 913-254-6411
HDPE 3408		Driscopipe	unknown u			unknown	unknown	unknown Loam		nown unknown		#N/A					Previous Impact		1/26/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-6432
HDPE 3408		Driscopipe	unknown u		1.25		unknown	unknown Loam		nown unknown		#N/A					Previous Impact		2/25/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-6436
HDPE 3408 HDPF 3408			unknown u unknown u				unknown	unknown Loam		known unknown		#N/A #N/A					Previous Impact Previous Impact		3/1/2020 9/2/2022	Doug Shatas Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-6437
HDPE 3408			unknown u				unknown	unknown Loam		cnown unknown		#N/A					Material Defect		3/29/2022	Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-6438
HDPE 3408		Performance Pipe	unknown u	nknown	0.75	unknown	unknown	unknown Loam	un	nown unknown	unknown	#N/A					Previous Impact		4/7/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-6444
mayra	unknown		unknown u				unknown	unknown Loam		nown unknown		#N/A					Previous Impact		5/13/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-6456
MDPE 2406 HDPE 3406		Driscopipe Performance Pipe	unknown u				unknown unknown	unknown Loam unknown Loam		known unknown known unknown		#N/A #N/A					Previous Impact Previous Impact		2/14/2021 5/21/2020	Doug Shatas Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-6457 913-254-6458
HDPE 3408			unknown u				unknown	unknown Loam		nown unknown		#N/A					Previous Impact		6/6/2020		Doug.Shatas@AtmosEnergy.com	913-254-6464
MDPE 2406			unknown u					unknown Loam		known unknown		#N/A					Previous Impact		6/11/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-6470
HDPE 3408 MDPE 2406		Performance Pipe Performance Pipe					unknown	unknown Loam unknown Loam		known unknown known unknown		#N/A #N/A					Previous Impact Previous Impact		2/12/2021		Doug.Shatas@AtmosEnergy.com	913-254-6485
	unknown		unknown u unknown u				unknown	unknown Loam unknown Loam		known unknown known unknown		#N/A					Previous Impact Previous Impact		8/7/2020	Doug Shatas Doug Shatas	Doug Shatas@AtmosEnergy.com  Doug Shatas@AtmosEnergy.com	913-254-6488 913-254-6502
HDPE 3408		Driscopipe	unknown u	nknown u	ınknown	unknown	unknown	unknown Loam	un	nown unknown	unknown	#N/A					Previous Impact		8/12/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-6507
MDPE 2406		Performance Pipe					unknown	unknown Rocky		nown unknown		#N/A					Previous Impact		9/29/2020	Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-6529
HDPE 3408 HDPE 3408			unknown u unknown u				unknown unknown	unknown Loam unknown Loam		nown unknown		#N/A #N/A					Previous Impact Previous Impact		10/4/2020	Doug Shatas Doug Shatas	Doug.Shatas@AtmosEnergy.com Doug.Shatas@AtmosEnergy.com	913-254-6532 913-254-6533
HDPE 3408		PolyPipe	unknown u	nknown u	ınknown	unknown	unknown	unknown Rocky	un	nown unknown	unknown	#N/A					Previous Impact		11/7/2020	Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-6538
HDPE 3408		PolyPipe	unknown u	nknown u	ınknown	unknown	unknown	unknown Loam		nown unknown		#N/A					Previous Impact		11/1/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-6540
HDPE 3408 HDPE 3408		PolyPipe Inc Performance Pine	unknown u				unknown	unknown Rocky		nown unknown		#N/A					Previous Impact Previous Impact		11/3/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-6541
HDPE 3408			unknown u				unknown	unknown Loam		cnown unknown		#N/A #N/A					Previous Impact Previous Impact		11/9/2020	Doug Shatas Doug Shatas	Doug-Shatas@AtmosEnergy.com	913-254-6543
HDPE 3406			unknown u		0.5		unknown	unknown Loam		nown unknown		#N/A					Previous Impact		11/11/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-6545
MDPE 2406			unknown u		0.75		unknown	unknown Loam		nown unknown		#N/A					Previous Impact		11/22/2020	Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-6548
HDPE 3408 MDPE 2306		PolyPipe Performance Pipe	unknown u				unknown	unknown Rocky unknown Loam		known unknown known unknown		#N/A #N/A					Previous Impact Previous Impact		11/22/2020 11/28/2020	Doug Shatas Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-6549 913-254-6552
HDPE 3408			unknown u				unknown	unknown Loam		nown unknown		#N/A					Previous Impact		12/12/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-6556
#N/A	unknown		unknown u				unknown	unknown Loam	un	nown unknown	unknown	Fitting (Complete "7b.")	Other (please describe)				Excessive external earth loading		9/29/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-6605
MDPE 2406			unknown u				unknown	unknown Loam	un	nown unknown	unknown	Joint (Complete "7c.")			Other (please describle)	unknown	Excessive external earth loading		10/3/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-6617
MDPE 2406 MDPE 2406			unknown u unknown u			unknown	unknown unknown	unknown Loam unknown Loam		known unknown		Fitting (Complete "7b.")	Other (please describe) Other (please describe)	unknown unknown			Material Defect Previous Impact		9/21/2021	Doug Shatas Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-6641 913-254-6642
#N/A	unknown	#N/A	unknown u		0.75		unknown	unknown Loam	un	nown unknown	unknown	Fitting (Complete "7b.")	Other (please describe)	unknown			Excessive external earth loading		11/22/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-6646
#N/A	unknown	#N/A	unknown u		ınknown		unknown	unknown Loam					Other (please describe)	unknown			Excessive external earth loading		11/3/2021	Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-6653
MDPE 2306 #N/A	unknown	Driscopipe Other	unknown u unknown u				unknown	unknown Loam					Other (please describe) Other (please describe)	unknown			Excessive external earth loading Material Defect		12/1/2021	Doug Shatas Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-6658 913-254-6661
MDPE 2406	unknown		unknown u				unknown	unknown Loam					Other (please describe)	unknown			Excessive external earth loading	,	2/3/2022	Doug Shatas	Doug.Shatas@AtmosEnergy.com  Doug.Shatas@AtmosEnergy.com	913-254-6686
MDPE 2406		Driscopipe	unknown u				unknown	unknown Loam	un	nown unknown	unknown	Fitting (Complete "7b.")	Other (please describe)				Material Defect		3/26/2022	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-6714
	unknown		unknown u				unknown	unknown Loam				Joint (Complete "7c.")			Other (please describle)	unknown		1	12/24/2019	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-6743
#N/A MDPE 2406	unknown		unknown u unknown u				unknown	unknown Loam unknown Rocky		known unknown known unknown		#N/A #N/A					Excessive external earth loading Previous Impact		1/1/2020	Doug Shatas Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-6760 913-254-6763
HDPE 3408			unknown u				unknown	unknown Loam					Other (please describe)	unknown			Installation Error		6/28/2022	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-6775
MDPE 2406			unknown u					unknown Loam					Other (please describe)	unknown			Material Defect		1/17/2020	Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-6782
HDPE 3408 MDPE 2306			unknown u unknown u				unknown	unknown Loam unknown Loam		known unknown known unknown		#N/A	Other (please describe)				Excessive external earth loading Excessive external earth loading		7/5/2022	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-6783
HDPE 3408		Driscopipe Performance Pipe					unknown	unknown Loam		nown unknown		#N/A	Otrier (piease describe)	unknown			Previous Impact		1/22/2020	Doug Shatas Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-6788 913-254-6789
HDPE 3406		Performance Pipe	unknown u	nknown u	ınknown	unknown	unknown	unknown Loam	un	cnown unknown	unknown	#N/A					Previous Impact		1/26/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-6794
MDPE 2306			unknown u			unknown	unknown	unknown Loam		known unknown		#N/A					Previous Impact		1/27/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-6795
HDPE 3406 MDPE 2406		Performance Pipe Performance Pipe			inknown 0.75	unknown unknown	unknown unknown	unknown Loam unknown Loam		known unknown known unknown		#N/A #N/A					Previous Impact Previous Impact		1/28/2020 2/8/2020	Doug Shatas Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-6796 913-254-6805
MDPE 2406		Performance Pipe				unknown	unknown	unknown Loam		nown unknown		#N/A					Previous Impact		2/9/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-6809
MDPE 2406			unknown u			unknown	unknown	unknown Loam		known unknown		#N/A					Previous Impact		2/10/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-6812
#N/A MDPF 2306	unknown		unknown u unknown u		1.25		unknown	unknown Loam		nown unknown		#N/A					Previous Impact Previous Impact		2/11/2020	Doug Shatas Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-6816
	unknown		unknown u				unknown	unknown Loam		known unknown		#N/A					Previous Impact Previous Impact		2/12/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-6817
MDPE 2406			unknown u		0.75		unknown	unknown Loam		nown unknown		#N/A					Previous Impact		2/18/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-6830
HDPE 3406			unknown u				unknown	6ft Loam 1 Loam				Joint (Complete "7c.")			Other (please describle)	unknown			2/19/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-6832
HDPE 3406 HDPE 3408		PolyPipe Performance Pipe	unknown u unknown u		-		unknown	1 Loam 3ft Loam		known unknown known unknown		#N/A #N/A					Previous Impact Previous Impact		2/22/2020	Doug Shatas Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-6838 913-254-6840
HDPE 3408			unknown u		0.75		unknown	1 Loam		nown unknown		#N/A					Previous Impact		3/1/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-6844
HDPE 3408		Performance Pipe					unknown	unknown Loam		nown unknown		#N/A					Excessive external earth loading		3/2/2020		Doug Shatas@AtmosEnergy.com	913-254-6846
MDPE 2306 HDPE 3408		Driscopipe Performance Pipe	unknown u				unknown unknown	unknown Rocky unknown Loam		known unknown known unknown		#N/A #N/A					Previous Impact Previous Impact		3/3/2020 4/17/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-6847 913-254-6848
HDPE 3408			unknown u unknown u				unknown	unknown Loam unknown Loam		known unknown known unknown		#N/A					Excessive external earth loading		9/2/2020	Doug Shatas Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-6848
#N/A	unknown	#N/A	unknown u	nknown u	ınknown	unknown	unknown	unknown Loam	un	nown unknown	unknown	#N/A					Previous Impact		3/8/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-6852
HDPE 3408 HDPE 3408			unknown u			unknown unknown	unknown	1 Loam 3 Loam		known unknown		#N/A					Previous Impact		3/9/2020	Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-6855
HDPE 3408 HDPE 3406		Driscopipe Performance Pipe			0.75 inknown		unknown	3 Loam unknown Loam		known unknown known unknown		#N/A #N/A					Excessive external earth loading Previous Impact		9/4/2020 3/15/2020	Doug Shatas Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-6857 913-254-6860
HDPE 3408			unknown u			unknown	unknown	unknown Loam	un	cnown unknown	unknown	#N/A					Previous Impact Previous Impact		3/17/2020	Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-6860
MDPE 2406		PolyPipe	unknown u			unknown	unknown	unknown Loam	un	cnown unknown	unknown	#N/A					Previous Impact		3/20/2020	Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-6865
HDPE 3408 HDPE 3408		Plexco Performance Pipe	unknown u				unknown unknown	unknown Loam unknown Loam		nown unknown		#N/A #N/A					Excessive external earth loading Previous Impact		9/7/2022	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-6868 913-254-6869
HDPE 3408 HDPE 3408			unknown u unknown u				unknown	unknown Loam 2 Loam		known unknown known unknown		#N/A #N/A					Previous Impact Previous Impact		3/23/2020	Doug Shatas Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-6869
	unknown		unknown u				unknown	unknown Loam		nown unknown		#N/A					Previous Impact		9/14/2022	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-6874
MDPE 2406			unknown u					unknown Loam		nown unknown		#N/A					Previous Impact		3/30/2020	Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-6875
HDPE 3408 MDPE 2406		Performance Pipe Driscopipe	unknown u unknown u				unknown	unknown Loam unknown Loam		known unknown known unknown		#N/A #N/A					Previous Impact Previous Impact		3/31/2020 4/5/2020		Doug.Shatas@AtmosEnergy.com	913-254-6877
MDPE 2406 MDPE 2406			unknown u unknown u				unknown	unknown Loam unknown Loam		known unknown known unknown		#N/A #N/A					Previous Impact Previous Impact			Doug Shatas Doug Shatas	Doug.Shatas@AtmosEnergy.com Doug.Shatas@AtmosEnergy.com	913-254-6879 913-254-6880
HDPE 3406		Performance Pipe	unknown u	nknown u	ınknown	unknown	unknown	unknown Loam	un	cnown unknown	unknown	#N/A					Previous Impact		4/5/2020	Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-6881
MDPE 2406			unknown u				unknown	3 Loam		nown unknown		#N/A					Excessive external earth loading		4/14/2020		Doug Shatas@AtmosEnergy.com	913-254-6894
HDPE 3408 HDPE 3408		PolyPipe Performance Pipe	unknown u				unknown unknown	unknown Loam		known unknown known unknown		#N/A #N/A					Previous Impact Previous Impact		4/18/2020	Doug Shatas Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-6900 913-254-6904
HDFL 3408		. c. or mance Pipe	J. AHOWH U		2.23	unanown	GIRHOWII	anknown Lodin	un	wii uiikii0Wii	J. IKIIOWII	may.A					r remous impact		7,20,2020	nong Strates	оож, льшьеминоспеку.соп	JA3123410304

		ATERIALS SEL					IN	STALLATION a		_	ON				FAILURE AN		SECTION				Contact Information	
1) Pipe Or a) Type of	ai. If	b) Manufacturer	c) ASTM.	d) SDR.	<u>e)</u>	2) Date of	3) Method	a) If 4) Type I	of a) if 5)	<u>a)</u>	6) Date of	7a) Failure/ Leak Location	7b) Failure/ Leak in Fitting	Zbi) If.	7c) Failure/ Leak in Joint	7ci) If	8) Failure/ Leak Cause	8a) If. 5	9) Date of	CONTACT	E-MAIL	PHONE
Fitting Material	"OTHER" on "a)",		F2897 16-	DR,	Nominal Size	Manufacture	of Installation	"OTHER" soil in on "3)", contact	"OTHER" Opera on "4)", Pressi	Operating	Installation			"OTHER" on "7b)",		"OTHER" on "7c)",		"OTHER" Fa	silure/Leak	NAME		
Identification	please		Code,	or wall	Size		installation	please with pip	e please (psi	Pressure (normal				please		please		please				
	describe		Print Line	thickness				describe	describe at time	of year range				describe		describe		describe				
	here		or Label					here	here failu	e psig)				here		here		here				
HDPE 3408		Performance Pipe					unknown	unknown Loam	and the second	wn unknown		#N/A					Previous Impact		4/20/2020			913-254-6905
HDPE 3408			unknown i				unknown	unknown Loam unknown Loam		wn unknown wn unknown		#N/A					Previous Impact Previous Impact		8/1/2020	Doug Shatas Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-6905
HDPE 3408			unknown			unknown	unknown	unknown Loam		wn unknown		#N/A					Previous Impact Previous Impact			Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-6906
HDPE 3408			unknown			unknown	unknown	unknown Loam		wn unknown		#N/A					Previous Impact		6/28/2020	Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-6911
#N/A	unknown		unknown		2	unknown	unknown	unknown Loam		wn unknown		#N/A					Previous Impact		10/8/2022		Doug.Shatas@AtmosEnergy.com	913-254-6914
MDPE 2306		Driscopipe	unknown	unknown	unknown	unknown	unknown	unknown Loam	unkno	wn unknown	unknown	#N/A					Previous Impact		4/22/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-6915
MDPE 2406			unknown		2	unknown	unknown	unknown Loam		wn unknown		#N/A					Previous Impact		4/24/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-6918
MDPE 2406			unknown			unknown	unknown	unknown Loam		wn unknown		#N/A					Previous Impact		4/26/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-6920
MDPE 2406 MDPE 2406		Other	unknown		1	unknown	unknown	unknown Loam		wn unknown		#N/A					Excessive external earth loading		0/12/2022	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-6921
MDPE 2406 #N/A		Plexco #N/A	unknown i		unknown 0.75	unknown unknown	unknown unknown	unknown Loam unknown Loam		wn unknown wn unknown		#N/A #N/A					Previous Impact Excessive external earth loading		4/27/2020 E 0/15/2022 E	Doug Shatas Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-6927 913-254-6933
#N/A HDPE 3408	unknown	#N/A Plexco	unknown			unknown	unknown	unknown Loam unknown Rocky		wn unknown wn unknown		#N/A					Previous Impact		4/29/2022 c	Doug Shatas Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-6933
#N/A	unknown		unknown			unknown	unknown	unknown Loam		wn unknown		#N/A					Previous Impact		6/2/2020	Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-6937
#N/A	unknown		unknown			unknown	unknown	unknown Loam		wn unknown		#N/A					Previous Impact		4/30/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-6938
MDPE 2406		Driscopipe	unknown	unknown	0.75	unknown	unknown	unknown Loam	unkno	wn unknown	unknown	#N/A					Point loading	1	0/19/2022	Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-6943
HDPE 3406		Driscopipe	unknown	unknown	2	unknown	unknown	unknown Loam	unkno	wn unknown	unknown	#N/A					Previous Impact		5/3/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-6947
MDPE 2406		PolyPipe	unknown	unknown	unknown	unknown	unknown	unknown Loam	unkno	wn unknown	unknown	#N/A					Previous Impact		5/10/2020	Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-6997
HDPE 3408			unknown				unknown	unknown Loam		wn unknown		#N/A					Previous Impact		5/26/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7137
MDPE 2306			unknown				unknown	unknown Loam		wn unknown		#N/A					Excessive external earth loading		1/15/2022	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7154
MDPE 2306		Performance Pipe				unknown	unknown	unknown Loam		wn unknown		#N/A					Previous Impact			Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7155
HDPE 3408			unknown			unknown	unknown	unknown Loam		wn unknown		#N/A					Previous Impact		6/3/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7163
MDPE 2306 HDPE 3408		Performance Pipe Performance Pipe				unknown unknown	unknown	unknown Loam unknown Loam		wn unknown wn unknown		#N/A #N/A					Previous Impact Previous Impact		6/3/2020 c	Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-7164
HDPE 3408			unknown i		0.75	unknown	unknown	unknown Loam unknown Loam		wn unknown wn unknown		#N/A					Previous Impact Previous Impact		-	Doug Shatas Doug Shatas	Doug Shatas@AtmorEnergy.com	913-254-7165 913-254-7167
MDPE 2306		Performance Pipe				unknown	unknown	unknown Rocky		wn unknown		#N/A					Previous Impact Previous Impact		6/6/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7168
MDPE 2406			unknown		0.75	unknown	unknown	unknown Loam		wn unknown		#N/A					Previous Impact		6/7/2020	Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-7169
HDPE 3406		Driscopipe	unknown		2	unknown	unknown	unknown Loam	unkno	wn unknown	unknown	#N/A					Previous Impact		6/7/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7170
HDPE 3408		Performance Pipe			unknown		unknown	unknown Loam	unkno	wn unknown	unknown	#N/A					Previous Impact		6/9/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7174
MDPE 2406			unknown				unknown	unknown Loam		wn unknown		#N/A					Previous Impact		6/20/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7177
MDPE 2406			unknown				unknown	unknown Loam		wn unknown		#N/A					Previous Impact		6/26/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7182
MDPE 2406			unknown				unknown	unknown Loam	unkno	wn unknown	unknown	Fitting (Complete "7b.")	Other (please describe)	unknown			Previous Impact		2/11/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7183
HDPE 3408 HDPE 3406		Performance Pipe	unknown i			unknown	unknown	unknown Loam		wn unknown		#N/A #N/A					Previous Impact		6/21/2020 c	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7196
HDPE 3406 HDPE 3406		PolyPipe Performance Pipe					unknown	unknown Loam unknown Loam		wn unknown wn unknown		#N/A #N/A					Previous Impact Previous Impact		6/22/2020 c	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7198
HDPE 3408			unknown				unknown	unknown Loam					Other (please describe)	unknown			Material Defect		2/11/2022	Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-7199
HDPE 3408		Performance Pipe					unknown	unknown Rocky		wn unknown		#N/A	Other (please describe)	unknown			Previous Impact		6/27/2020	Doug Shatas Doug Shatas	Doug Shatas@AtmosFnerey.com	913-254-7204
MDPE 2406			unknown				unknown	unknown Loam		wn unknown		#N/A					Previous Impact			Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7205
MDPE 2306			unknown				unknown	unknown Loam		wn unknown		#N/A					Previous Impact		8/31/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7208
MDPE 2306		Performance Pipe	unknown	unknown	2	unknown	unknown	unknown Loam	unkno	wn unknown	unknown	#N/A					Previous Impact		7/1/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7213
MDPE 2306			unknown				unknown	unknown Loam		wn unknown		#N/A					Previous Impact		7/8/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7227
MDPE 2306		Uponorr		unknown	unknown		unknown	unknown Loam		wn unknown		#N/A					Installation Error		7/11/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7229
MDPE 2406		Performance Pipe			1	unknown	unknown	unknown Loam		wn unknown		#N/A					Previous Impact		7/13/2020	Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-7236
HDPE 3408			unknown		0.5	unknown	unknown	unknown Loam		wn unknown		#N/A					Previous Impact		7/14/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7237
MDPE 2406 MDPE 2406		Other	unknown i		2	unknown unknown	unknown	unknown Loam		wn unknown wn unknown		#N/A #N/A					Previous Impact		7/15/2020 c 7/19/2020 c	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7242
MDPE 2406 MDPF 2406		Driscopipe	unknown		2	unknown	unknown	unknown Loam		wn unknown		#N/A					Previous Impact Excessive external earth loading		1/7/2023	Doug Shatas Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7245 913-254-7252
HDPF 3408		Performance Pipe				unknown	unknown	unknown Loam		wn unknown		#N/A					Previous Impact		7/22/2020	Doug Shatas	Doug Shatar@AtmorEnergy.com	913-254-7252
MDPE 2306		Performance Pipe				unknown	unknown	unknown Loam		wn unknown		#N/A					Previous Impact		7/27/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7259
MDPE 2406			unknown		0.75	unknown	unknown	unknown Loam	unkno	wn unknown	unknown	#N/A					Previous Impact		7/27/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7261
MDPE 2306		Driscopipe	unknown	unknown	unknown	unknown	unknown	unknown Loam	unkno	wn unknown	unknown	#N/A					Previous Impact		7/28/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7262
m14/73	unknown		unknown				unknown	unknown Loam		wn unknown		#N/A					Installation Error		7/29/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7264
MDPE 2406			unknown			unknown	unknown	unknown Loam					Other (please describe)	unknown			Excessive external earth loading		7/28/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7265
HDPE 3406			unknown			unknown	unknown	unknown Loam		wn unknown		#N/A					Previous Impact		8/1/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7266
HDPE 3408 HDPE 3406		Performance Pipe	unknown i			unknown	unknown	unknown Rocky unknown Loam		wn unknown wn unknown		#N/A #N/A					Previous Impact Previous Impact		7/30/2020 c 8/2/2020 c	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7269
MDPE 3406			unknown i				unknown	unknown Loam unknown Loam		wn unknown wn unknown		#N/A					Previous Impact Previous Impact			Doug Shatas Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7272 913-254-7287
HDPE 3406		Performance Pipe				unknown	unknown	unknown Loam		wn unknown		#N/A					Previous Impact Previous Impact		8/10/2020	Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-7290
MDPE 3406			unknown			unknown	unknown	unknown Loam		wn unknown		#N/A					Previous Impact		8/11/2020	Doug Shatas Doug Shatas	Doug Shatas@AtmosFnerey com	913-254-7295
#N/A	unknown	#N/A	unknown			unknown	unknown	unknown Loam		wn unknown		#N/A					Excessive external earth loading		8/15/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7299
HDPE 3408		Performance Pipe	unknown	unknown	unknown	unknown	unknown	unknown Loam	unkno	wn unknown	unknown	#N/A					Previous Impact		8/16/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7302
MDPE 2406			unknown			unknown	unknown	unknown Loam		wn unknown		#N/A					Previous Impact		8/17/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7305
#N/A	unknown		unknown			unknown	unknown	unknown Loam		wn unknown		#N/A					Previous Impact		8/18/2020	Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-7308
MDPE 2406 #N/A	unknown	Performance Pipe #N/A	unknown i			unknown	unknown	unknown Loam		wn unknown wn unknown		#N/A #N/A					Previous Impact Excessive external earth loading		8/19/2020 E	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7310
#N/A HDPF 3406	unknown		unknown i				unknown	3 Loam unknown Rocky		wn unknown wn unknown		#N/A #N/A					Excessive external earth loading Excessive external earth loading		2/4/2023 E 8/23/2020 E	Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-7311 913-254-7318
HDPE 3406 MDPE 2406			unknown i				unknown	unknown Rocky unknown Loam		wn unknown wn unknown		#N/A #N/A					Excessive external earth loading Excessive external earth loading		8/23/2020 c 8/30/2020 c	Doug Shatas Doug Shatas	Doug Shatas@AtmorEnergy.com	913-254-7318
HDPE 3408		Performance Pipe				unknown	unknown	unknown Loam		wn unknown		#N/A					Previous Impact		8/30/2020	Doug Shatas Doug Shatas	Doug Shatas@AtmosFnerey com	913-254-7328
HDPE 3406			unknown			unknown	unknown	unknown Loam		wn unknown		#N/A					Point loading		2/26/2021	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7329
MDPE 2406			unknown				unknown	unknown Loam		wn unknown		#N/A					Previous Impact		9/2/2020	Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-7330
MDPE 2306			unknown				unknown	unknown Loam		wn unknown		#N/A					Previous Impact		9/5/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7333
#N/A	unknown	#N/A	unknown	unknown	2	unknown	unknown	3 Loam	unkno	wn unknown	unknown	#N/A					Excessive external earth loading		2/23/2023	Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-7337
HDPE 3408		Performance Pipe				unknown	unknown	2 Loam		wn unknown		#N/A					Previous Impact		9/7/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7338
MDPE 2406			unknown		2	unknown	unknown	unknown Loam		wn unknown		#N/A					Previous Impact		9/8/2020	Doug Shatas	Doug_Shatas@AtmosEnergy.com	913-254-7340
HDPE 3408			unknown			unknown	unknown	unknown Loam		wn unknown		#N/A					Previous Impact		9/10/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7343
HDPE 3408 #N/A		Performance Pipe #N/A	unknown i		2	unknown unknown	unknown	unknown Loam unknown Loam		wn unknown wn unknown		#N/A #N/A					Previous Impact Excessive external earth loading		9/12/2020 E	Doug Shatas	uoug.Shatas@AtmosEnergy.com	913-254-7346
#N/A MDPE 2306	unknown	#N/A Driscopipe		unknown unknown			unknown	unknown Loam unknown Loam		wn unknown wn unknown			Other (please describe)	unknown			Excessive external earth loading Previous Impact		9/15/2020 c	Doug Shatas Doug Shatas	Doug Shatar@AtmosEnergy.com	913-254-7349 913-254-7351
MDPE 2306 HDPE 3408		Driscopipe	unknown i		unknown 2	unknown	unknown	unknown Loam unknown Loam		wn unknown wn unknown		#N/A	Outer (please describe)	unknown			Previous Impact Previous Impact		9/15/2020 0	Doug Shatas Doug Shatas	Doug Shatar @AtmosEnergy.com	913-254-7351
HDPE 3406			unknown			unknown	unknown	unknown Loam	unkno	wn unknown	unknown	#N/A					Previous Impact Previous Impact		9/21/2020 0	Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-7362
MDPE 2306		Driscopipe		unknown			unknown	unknown Loam		wn unknown		#N/A					Previous Impact		9/26/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7367
MDPE 2306			unknown			unknown	unknown	unknown Loam	unkno	wn unknown	unknown	#N/A					Previous Impact		9/26/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7368
HDPE 3408		Driscopipe	unknown			unknown	unknown	unknown Loam				Joint (Complete "7c.")		(	Other (please describle)	unknown	Excessive external earth loading		3/19/2023	Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-7377
MDPE 2406			unknown				unknown	unknown Loam		wn unknown		#N/A					Previous Impact		10/5/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7385
HDPE 3408		Performance Pipe					unknown	unknown Loam		wn unknown		#N/A					Previous Impact		10/6/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7389
HDPE 3408		Performance Pipe				unknown	unknown	unknown Loam		wn unknown		#N/A					Previous Impact		10/6/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7390
HDPE 3408		Performance Pipe					unknown	unknown Loam		wn unknown		#N/A	Orber (elem 1 11 11				Previous Impact		10/7/2020		Doug.Shatas@AtmosEnergy.com	913-254-7393
MDPE 2306 HDPE 3408			unknown i			unknown	unknown	unknown Loam unknown Loam		wn unknown wn unknown		Fitting (Complete "7b.") #N/A	Other (please describe)	unknown			Installation Error Previous Impact			Doug Shatas Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-7408 913-254-7418
HDPE 3408		Performance Pipe					unknown	unknown Loam		wn unknown wn unknown		#N/A					Previous Impact Previous Impact		-	Doug Shatas Doug Shatas	Doug Shatar @Atmos Energy com	913-254-7418
HDPE 3408		Performance Pipe			2	unknown	unknown	unknown Loam		wn unknown		#N/A					Previous Impact Previous Impact	11	0/25/2020	Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-7424
HDPE 3408		Performance Pipe			2	unknown	unknown	unknown Loam		wn unknown		#N/A					Previous Impact	1	0/25/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7428
HDPE 3408			unknown			unknown	unknown	unknown Loam		wn unknown		#N/A					Excessive external earth loading		0/26/2020		Doug.Shatas@AtmosEnergy.com	913-254-7430
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		ATERIALS SEL					IN:	STALLATION			CTION				FAILURE A		SECTION				Contact Information	
1) Pipe Or a) Type of	ai. If	b) Manufacturer	c) ASTM.	d) SDR.	<u>e)</u>	2) Date of	3) Method	a) If 4) Typ	e of a) If.	5). a)	6) Date of	7a) Failure/ Leak Location	7b) Failure/ Leak in Fitting	Zbi).lf.	7c) Failure/ Leak in Joint	7ci) If	8) Failure/ Leak Cause	8a) If.	9) Date of	CONTACT	E-MAIL	PHONE
Fitting Material	"OTHER" on "a)",		F2897 16-		Size	Manufacture	of Installation	"OTHER" soil i	on "4)",	Operating Opera		2		"OTHER" on "7b)",		"OTHER" on "7c)",		"OTHER" on "8)",	Failure/Leak	NAME		
identification	please			or wall	<u>346</u>		installation	please with p	ipe please	(psig) Press (non				please		please		please				
	describe			hickness				describe	describe	at time of year ra				describe		describe		describe				
	here		or Label					here	here	failure psi	1			here		here		here				
HDPE 3406		Driscopipe	unknown ui					unknown Loam		unknown unkno		#N/A					Previous Impact		11/23/2020			913-254-7432
HDPE 3408		Performance Pipe					unknown	2 Loam		unknown unkno		#N/A					Previous Impact		11/2/2020	Doug Shatas Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-7432
MDPE 2406			unknown ui			unknown	unknown	unknown Loam		unknown unkno		#N/A					Unknown: Not Excavated - Abandoned and/or Replaced		11/3/2020		Doug Shatas@AtmosEnergy.com	913-254-7434
	unknown		unknown u					unknown Loam		unknown unkno		#N/A					Previous Impact		11/23/2020	Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-7436
HDPE 3406		Driscopipe	unknown ui	nknown	4	unknown	unknown	unknown Loam		unknown unkno	wn unknown	#N/A					Previous Impact		11/4/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7437
HDPE 3406			unknown ui			unknown	unknown	2 Loam		unknown unkno		#N/A					Previous Impact		11/9/2020	Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-7441
MDPE 2306			unknown ui			unknown	unknown	unknown Loam		unknown unkno		#N/A					Previous Impact		11/15/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7446
#N/A	unknown		unknown ui				unknown	unknown Loam					Other (please describe)	unknown			Excessive external earth loading		5/9/2023	Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-7448
MDPE 2406 HDPF 3408		Driscopipe Plexco	unknown ui unknown ui			unknown unknown	unknown	2 Loam unknown Loam		unknown unkno unknown unkno		#N/A #N/A					Previous Impact		11/22/2020	Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-7451
MDPE 3408		Driscopipe	unknown ui			unknown	unknown	unknown Loam unknown Loam		unknown unkno unknown unkno		#N/A					Excessive external earth loading Previous Impact		5/11/2023 11/24/2020	Doug Shatas Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7453 913-254-7454
MDPE 2406 MDPF 2406		Driscopipe	unknown ui			unknown	unknown	unknown Loam		unknown unkno unknown unkno		#N/A					Previous Impact Previous Impact		11/24/2020	Doug Shatas Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-7454
MDPE 2406		Driscopipe	unknown u			unknown	unknown	unknown Loam		unknown unkno		#N/A					Previous Impact		12/26/2020	Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-7456
MDPE 2406			unknown u			unknown	unknown	1 Loam		unknown unkno		#N/A					Material Defect		5/16/2023	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7461
MDPE 2406		Driscopipe	unknown ui	nknown un	nknown	unknown	unknown	unknown Loam		unknown unkno	wn unknown	#N/A					Previous Impact		11/28/2020	Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-7463
MDPE 2406		Performance Pipe					unknown	unknown Loam		unknown unkno		#N/A					Previous Impact		12/6/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7473
MDPE 2306			unknown ui				unknown	unknown Loam		unknown unkno		#N/A					Previous Impact		12/7/2020	Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-7475
HDPE 3408			unknown ui			unknown	unknown	unknown Loam		unknown unkno		#N/A					Excessive external earth loading		5/30/2023	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7480
MDPE 2306			unknown ui					unknown Loam		unknown unkno		#N/A					Previous Impact		12/13/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7482
MDPE 2306 HDPE 3408			unknown ui unknown ui				unknown	unknown Loam unknown Rocky		unknown unkno unknown unkno		#N/A #N/A					Previous Impact Previous Impact		12/14/2020		Doug.Shatas@AtmosEnergy.com	913-254-7483
MDPE 2306			unknown ui				unknown	unknown Loam		unknown unkno		#N/A							12/19/2020	Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-7484
	unknown		unknown ui			unknown	unknown	unknown Loam unknown Loam					Other (please describe)	unknown			Previous Impact Material Defect		1/15/2020	Doug Shatas Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7485 913-254-7486
#N/A	unknown		unknown ui			unknown	unknown	unknown Loam				Joint (Complete "7c.")	- area (preuse describe)	unatowii	Other (please describle)	unknown			1/17/2020	Doug Shatas Doug Shatas	Doug.Shatas@AtmosFnerev.com	913-254-7486
#N/A	unknown		unknown u			unknown	unknown	unknown Loam		unknown unkno		#N/A					Previous Impact		12/24/2019	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7492
MDPE 2406		Driscopipe	unknown ui	nknown	80	unknown	unknown	unknown Loam		unknown unkno	wn unknown	#N/A					Previous Impact		2/12/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7496
#N/A	unknown	#N/A	unknown ui	nknown	0.75	unknown	unknown	unknown Loam		unknown unkno	wn unknown	#N/A					Previous Impact		3/17/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7498
MDPE 2406			unknown ui			unknown	unknown	unknown Loam		unknown unkno		#N/A					Previous Impact		4/25/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7499
#N/A	unknown	#N/A	unknown ui			unknown	unknown	1 Loam		unknown unkno		Joint (Complete "7c.")			Other (please describle)	unknown	Installation Error		5/4/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7500
#N/A	unknown		unknown ui			unknown	unknown	unknown Loam		unknown unkno		#N/A					Installation Error		5/24/2020	Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-7501
MDPE 2406 #N/A	unknown		unknown ui			unknown	unknown	unknown Loam		unknown unkno		#N/A					Previous Impact Other (please describle)	unknown	5/24/2020	Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-7502
#N/A HDPF 3408	unknown	#N/A Performance Pine					unknown	unknown Rocky		unknown unkno unknown unkno		Fitting (Complete "7b.") #N/A	Other (please describe)	unknown			Other (please describle) Previous Impact	unknown	2/14/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7503
HDPE 3408		Performance Pipe				unknown	unknown	unknown Loam  1 Loam					Other (please describe)	unknown			Previous Impact Previous Impact		6/30/2020	Doug Shatas Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-7505
#N/A	unknown		unknown u			unknown	unknown	unknown Loam					Other (please describe)				Material Defect		7/22/2020	Doug Shatas	Doug Shatar@AtmorEnergy.com	913-254-7509
HDPE 3408		Performance Pipe					unknown	unknown Loam		unknown unkno		#N/A	Other (picuse describe)	unknown			Previous Impact		8/9/2020	Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-7511
#N/A	unknown	#N/A	unknown ui	nknown	2	unknown	unknown	unknown Loam		unknown unkno	wn unknown	#N/A					Previous Impact		8/23/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7513
#N/A	unknown	#N/A	unknown ui				unknown	unknown Rocky		unknown unkno	wn unknown	Joint (Complete "7c.")			Other (please describle)	unknown	Unknown: Not Excavated - Abandoned and/or Replaced		11/3/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7517
#N/A	unknown	#N/A	unknown ui	nknown	0.75	unknown	unknown	unknown Loam		unknown unkno	wn unknown	Fitting (Complete "7b.")	Other (please describe)	unknown			Material Defect		11/6/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7518
HDPE 3408			unknown ui				unknown	5 Loam		unknown unkno		#N/A					Previous Impact		2/20/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7519
#N/A	unknown		unknown ui				unknown	unknown Loam		unknown unkno		#N/A					Previous Impact		4/27/2020	Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-7520
#N/A	unknown		unknown ui				unknown	unknown Loam		unknown unkno		#N/A					Previous Impact		8/15/2020	Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-7521
#N/A	unknown	#N/A	unknown ui			unknown	unknown	5 Loam		unknown unkno		#N/A					Previous Impact		11/3/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7524
HDPE 3408 MDPE 2406		Performance Pipe Performance Pipe					unknown	5 Loam unknown Loam		unknown unkno unknown unkno		#N/A Eitting (Complete "7h ")	Other (please describe)	unknown			Previous Impact Installation Error		11/25/2020 3/10/2023	Doug Shatas Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-7526 913-254-7534
HDPF 3408			unknown u			unknown	unknown	unknown Loam		unknown unkno		#N/A	Other (please describe)	ulikilowii			Previous Impact		2/9/2023	Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-7535
MDPF 2406			unknown u			unknown	unknown	unknown Loam		unknown unkno		#N/A					Previous Impact		5/7/2020	Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-7538
MDPE 2406			unknown u			unknown	unknown	unknown Loam		unknown unkno		#N/A					Previous Impact		7/13/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7540
MDPE 2406		Driscopipe	unknown ui	nknown	0.75	unknown	unknown	unknown Loam		unknown unkno	wn unknown	#N/A					Previous Impact		7/22/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7541
HDPE 3406		Driscopipe	unknown u	nknown un	nknown	unknown	unknown	unknown Loam		unknown unkno	wn unknown	#N/A					Previous Impact		1/23/2021	Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-7542
MDPE 2406		Performance Pipe				unknown		unknown Loam		unknown unkno		#N/A					Previous Impact		8/11/2020	Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-7544
HDPE 3406			unknown ui			unknown	unknown	unknown Loam		unknown unkno		#N/A					Previous Impact		9/12/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7546
HDPE 3406			unknown ui					unknown Loam		unknown unkno		#N/A					Previous Impact		9/12/2020	Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-7547
HDPE 3406 #N/A			unknown ui unknown ui			unknown	unknown	unknown Loam unknown Loam		unknown unkno unknown unkno		#N/A #N/A					Previous Impact Previous Impact		11/6/2020 11/24/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7549
#N/A HDPE 3406	unknown		unknown ui			unknown	unknown	unknown Loam unknown Loam		unknown unkno unknown unkno		#N/A					Previous Impact Previous Impact		, ,	Doug Shatas Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7550 913-254-7552
MDPE 2406			unknown ui			unknown	unknown	unknown Loam		unknown unkno		#N/A					Previous Impact		2/19/2021	Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-7556
MDPE 2406			unknown ui				unknown	unknown Rocky					Other (please describe)	unknown			Material Defect		10/13/2020	Doug Shatas Doug Shatas	Doug.Shatas@AtmosFnerev.com	913-254-7558
HDPE 3408		Driscopipe	unknown u			unknown	unknown	unknown Loam		unknown unkno	wn unknown	#N/A	(p.case describe)				Previous Impact		5/18/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7563
HDPE 3408		Performance Pipe				unknown	unknown	unknown Loam		unknown unkno		#N/A					Previous Impact		5/19/2020	Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-7564
#N/A	unknown	Other	unknown ui	nknown un	nknown	unknown	unknown	unknown Loam		unknown unkno	wn unknown	#N/A					Previous Impact		6/19/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7566
HDPE 3408		Performance Pipe				unknown	unknown	unknown Loam		unknown unkno		#N/A					Previous Impact		6/19/2020	Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-7567
HDPE 3408		Performance Pipe				unknown	unknown	unknown Loam		unknown unkno		#N/A					Previous Impact		9/7/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7570
HDPE 3408 #N/A		Performance Pipe #N/A	unknown ui			unknown	unknown	unknown Loam		unknown unkno unknown unkno		#N/A #N/A					Previous Impact		9/15/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7571
#N/A MDPE 2406	unknown		unknown ui unknown ui			unknown	unknown	unknown Loam 2 Loam		unknown unkno unknown unkno		#N/A #N/A					Previous Impact Previous Impact		9/22/2020	Doug Shatas Doug Shatas	uoug.Shatas@AtmosEnergy.com	913-254-7572 913-254-7573
MDPE 2406 MDPE 2406			unknown ui			unknown	unknown	2 Loam unknown Loam		unknown unkno unknown unkno		#N/A					Previous Impact Previous Impact		9/29/2020		Doug Shatar@AtmorEnergy.com	913-254-7573
MDPE 2406 #N/A	unknown		unknown ui			unknown	unknown	unknown Loam unknown Loam		unknown unkno unknown unkno		#N/A					Previous Impact Previous Impact		10/13/2020	Doug Shatas Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7574
MDPE 2406			unknown ui			unknown	unknown	unknown Loam		unknown unkno		#N/A					Previous Impact		10/28/2020		Doug.Shatas@AtmosEnergy.com	913-254-7576
HDPE 3408			unknown u			unknown	unknown	unknown Loam		unknown unkno		#N/A					Previous Impact		11/6/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7577
#N/A	unknown		unknown ui			unknown	unknown	unknown Loam		unknown unkno	wn unknown	#N/A					Previous Impact		11/6/2020		Doug Shatas@AtmosEnergy.com	913-254-7578
#N/A	unknown		unknown u				unknown	unknown Loam					Other (please describe)	unknown			Installation Error		12/4/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7579
MDPE 2406			unknown ui			unknown	unknown	2 Loam		unknown unkno		#N/A					Previous Impact		12/14/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7580
#N/A	unknown		unknown ui				unknown	unknown Rocky		unknown unkno					Other (please describle)	unknown			1/6/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7750
HDPE 3408		Driscopipe	unknown ui				unknown	unknown Loam		unknown unkno		#N/A					Previous Impact		1/27/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7759
MDPE 2406 HDPF 3408			unknown ui unknown ui				unknown	unknown Loam unknown Loam		unknown unkno		#N/A #N/A					Previous Impact		2/3/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7761
HDPE 3408 HDPE 3408		Performance Pipe Performance Pipe					unknown	unknown Loam unknown Loam		unknown unkno unknown unkno			Other (please describe)	unknow-			Previous Impact Previous Impact		2/29/2020 3/1/2020	Doug Shatas Doug Shatas	Doug Shatar@AtmosEnergy.com	913-254-7769 913-254-7770
HDPE 3408 #N/A	unknown		unknown ui				unknown	unknown Loam		unknown unkno unknown unkno	wii uliknown	Fitting (Complete "7b.") #N/A	Outlet (please describe)	unknown			Previous Impact Previous Impact		3/1/2020	Doug Shatas Doug Shatas	Doug Shatas@AtmorEnergy.com	913-254-7770
#N/A HDPE 3408	dikilowii	Performance Pipe					unknown	unknown Loam					Other (please describe)	unknown			Material Defect		9/22/2020	Doug Shatas Doug Shatas	Doug.Shatas@AtmosFnerev.com	913-254-7778
#N/A	unknown		unknown ui				unknown	unknown Loam		unknown unkno	wn unknown	#N/A	(picase aestribe)	Jimilo WII			Other (please describle)	unknown	4/11/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7788
	unknown		unknown u				unknown	unknown Rocky				Fitting (Complete "7b.")	Valve				Material Defect		10/16/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7791
HDPE 3408		Performance Pipe					unknown	unknown Loam		unknown unkno		#N/A					Previous Impact		4/28/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7794
HDPE 3408		Performance Pipe					unknown	unknown Loam		unknown unkno		#N/A					Previous Impact		5/12/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7800
HDPE 3408		Performance Pipe						unknown Loam		unknown unkno		#N/A					Previous Impact		5/15/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7801
HDPE 3408		Performance Pipe					unknown	unknown Loam		unknown unkno		#N/A					Previous Impact		5/19/2023		Doug.Shatas@AtmosEnergy.com	913-254-7806
	unknown		unknown ui					unknown Loam					Other (please describe)	unknown			Material Defect		11/19/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7809
MDPE 2306 MDPE 2306			unknown u				unknown	unknown Loam		unknown unkno unknown unkno		#N/A					Previous Impact			Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-7812
MDPE 2306 #N/A	unknown		unknown ui				unknown	unknown Loam unknown Rocky		unknown unkno unknown unkno		#N/A #N/A					Previous Impact Previous Impact		6/3/2020 6/7/2020	Doug Shatas Doug Shatas	Doug Shatas@AtmorEnergy.com	913-254-7813 913-254-7817
MDPE 2306	JIIKIOWII		unknown ui				unknown	unknown Rocky		unknown unkno		#N/A					Previous Impact		6/8/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7817
#N/A	unknown		unknown ui				unknown	unknown Loam		unknown unkno		#N/A					Previous Impact			Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7823
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Market   Company   Compa	OTHER: PallwerRes   PallwerRes	20 Doug Shatas 21 Doug Shatas 20 Doug Shatas 21 Doug Shatas 21 Doug Shatas 20 Doug Shatas	Cough Shata (Mahmodinery), com  Doug Shata (Mahmodinery), com	913-254-7824 913-254-7826 913-254-7827 913-254-7827 913-254-7829 913-254-7838 913-254-7844 913-254-7849 913-254-7851 913-254-7851 913-254-7851
March   Marc	plesse, gescribe, herre  5/21/200  7/5/	Doug Shatas	Togs Shats (Mamon Greep, com)  New Shats (Mamon Greep, com)	913-254-7826 913-254-7827 913-254-7829 913-254-7838 913-254-7843 913-254-7844 913-254-7850 913-254-7851 913-254-7853 913-254-7853 913-254-7853
HOPE 5805 HOPE 3806 HOPE 3	describe. here:  6/22/202  7/5/202  7/5/202  7/5/202  7/5/202  7/5/202  8/5/202  8/5/202  8/5/202  8/5/202  8/5/202  8/5/202  8/5/202  8/5/202  8/5/202  1/5	Doug Shatas	Doug Shata @ Mineral Gregor com Doug Shata @ Mineral Gregor co	913-254-7826 913-254-7827 913-254-7829 913-254-7838 913-254-7843 913-254-7844 913-254-7850 913-254-7851 913-254-7853 913-254-7853 913-254-7853
HDF 3408 HDF 3408 Performance Pipe unknown unk	6/22/202 7/5/202 7/5/202 7/5/202 7/7/202 7/7/202 8/5/2	Doug Shatas	Doug Date (Minimotheray com Doug Date (Minimotheray com	913-254-7826 913-254-7827 913-254-7829 913-254-7838 913-254-7843 913-254-7844 913-254-7850 913-254-7851 913-254-7853 913-254-7853 913-254-7853
HDFE 3408   Performance Pipe unknown	7/5/202 7/5/202 7/7/202 7/7/202 8/5/20	Doug Shatas	Sout Shates (Manual Shates) com Sout Shates (Manual Shates) com	913-254-7826 913-254-7827 913-254-7829 913-254-7838 913-254-7843 913-254-7844 913-254-7850 913-254-7851 913-254-7853 913-254-7853 913-254-7853
HDFE 3408   Performance Pige unknown u	7/5/202 7/5/202 7/7/202 7/7/202 8/5/20	Doug Shatas	Sour Shate Blatter of sear com.	913-254-7827 913-254-7829 913-254-7838 913-254-7844 913-254-7849 913-254-7850 913-254-7851 913-254-7852 913-254-7853 913-254-7855
MPP 5406   Performance Pige   unknown unknown unknown unknown with Name   unknown un	7/7/202 7/73/202 8/5/202 8/5/202 8/5/202 8/5/202 8/5/202 8/5/202 8/5/202 8/5/202 8/5/202 8/5/202 8/5/202 8/5/202 8/5/202 8/5/202 8/5/202 10/3/202 10/3/202 10/3/202 10/3/202 11/20/202 11/20/202 11/20/202 11/20/202 11/20/202 11/20/202 11/20/202 11/20/202	20 Doug Shatas 21 Doug Shatas 21 Doug Shatas 21 Doug Shatas 22 Doug Shatas 22 Doug Shatas 23 Doug Shatas 24 Doug Shatas 25 Doug Shatas 26 Doug Shatas 27 Doug Shatas 28 Doug Shatas 29 Doug Shatas 29 Doug Shatas 20 Doug Shatas 20 Doug Shatas 21 Doug Shatas 20 Doug Shatas	Doug Shate (Manufarence com Doug Shate (Manufarence com Do	913-254-7829 913-254-7838 913-254-7843 913-254-7844 913-254-7849 913-254-7850 913-254-7851 913-254-7852 913-254-7853 913-254-7853
MOPE 2406   MIN	7723/202 8/5/202 8/5/202 8/5/202 8/5/202 8/5/202 2/9/202 8/5/202 1/11/202 8/5/202 1/11/202 1/13/202 10/7/202 10/7/202 11/2/202 11/2/202 11/2/202 11/2/202 11/2/202 11/2/202	20 Doug Shatas 20 Doug Shatas 20 Doug Shatas 20 Doug Shatas 21 Doug Shatas 21 Doug Shatas 22 Doug Shatas 22 Doug Shatas 23 Doug Shatas 24 Doug Shatas 26 Doug Shatas 27 Doug Shatas 28 Doug Shatas 29 Doug Shatas 20 Doug Shatas 20 Doug Shatas	Doug Shatas@Atmosf.nergy.com	913-254-7838 913-254-7843 913-254-7844 913-254-7849 913-254-7850 913-254-7851 913-254-7852 913-254-7853 913-254-7855
HOPE 368 Principle Princip	8/5/202 8/8/202 8/8/202 8/8/202 8/8/202 8/8/202 8/8/4/202 8/8/4/202 10/8/202 10/8/202 10/8/202 10/8/202 10/8/202 11/8/202 11/8/202 11/8/202 11/8/202	20 Doug Shatas 20 Doug Shatas 20 Doug Shatas 20 Doug Shatas 21 Doug Shatas 20 Doug Shatas 21 Doug Shatas 20 Doug Shatas 20 Doug Shatas 21 Doug Shatas 22 Doug Shatas 22 Doug Shatas 23 Doug Shatas 24 Doug Shatas 25 Doug Shatas 26 Doug Shatas 27 Doug Shatas	Doug Shatas@Atmosfinergy com Doug Shatas@Atmosfinergy com	913-254-7843 913-254-7844 913-254-7849 913-254-7850 913-254-7851 913-254-7852 913-254-7853 913-254-7855
HOPE 3408 Oriscoppe unknown unknown unknown winkown wi	8/15/202 2/9/202 8/16/202 8/16/202 8/24/202 8/3/202 3/15/202 10/4/202 10/13/202 11/20/202 11/20/202 11/23/202 11/23/202	20 Doug Shatas 21 Doug Shatas 20 Doug Shatas 21 Doug Shatas 21 Doug Shatas 20 Doug Shatas 20 Doug Shatas 21 Doug Shatas 21 Doug Shatas 21 Doug Shatas 20 Doug Shatas 20 Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-7849 913-254-7850 913-254-7851 913-254-7852 913-254-7853 913-254-7855
MOPE 2406 by Driscopie withown unknown	2/9/302 8/16/202 8/16/202 8/24/202 8/30/202 3/18/202 3/18/202 10/3/202 10/3/202 10/3/202 11/20/202 11/20/202 11/21/202 11/23/202 11/24/202	21 Doug Shatas 20 Doug Shatas 21 Doug Shatas 20 Doug Shatas 20 Doug Shatas 20 Doug Shatas 21 Doug Shatas 21 Doug Shatas 21 Doug Shatas 20 Doug Shatas 20 Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-7850 913-254-7851 913-254-7852 913-254-7853 913-254-7855
##N/A unknown ##N/A unknown un	8/16/202 2/11/202 8/24/202 8/30/202 3/18/202 3/25/202 10/4/202 10/13/202 10/27/202 11/20/202 11/21/202 11/23/202 11/23/202	20 Doug Shatas 21 Doug Shatas 20 Doug Shatas 20 Doug Shatas 21 Doug Shatas 21 Doug Shatas 21 Doug Shatas 20 Doug Shatas 20 Doug Shatas	Doug Shatas@AtmosEnergy.com Doug Shatas@AtmosEnergy.com Doug Shatas@AtmosEnergy.com Doug Shatas@AtmosEnergy.com Doug Shatas@AtmosEnergy.com Doug Shatas@AtmosEnergy.com	913-254-7851 913-254-7852 913-254-7853 913-254-7855
##N/A unknown ##N/A unknown un	2/11/202 8/24/202 8/30/202 3/18/202 3/25/202 10/3/202 10/17/202 2/9/202 10/13/202 11/20/202 11/21/202 11/23/202 11/23/202	21 Doug Shatas 20 Doug Shatas 20 Doug Shatas 21 Doug Shatas 21 Doug Shatas 21 Doug Shatas 20 Doug Shatas 20 Doug Shatas	Doug Shatas@AtmosEnergy.com Doug Shatas@AtmosEnergy.com Doug Shatas@AtmosEnergy.com Doug Shatas@AtmosEnergy.com	913-254-7852 913-254-7853 913-254-7855
## Performance Pipe unknown un	8/30/202 3/18/202 3/25/202 10/3/202 10/4/202 10/17/202 10/13/202 11/21/202 11/21/202 11/23/202 11/23/202	20 Doug Shatas 21 Doug Shatas 21 Doug Shatas 20 Doug Shatas 20 Doug Shatas	Doug.Shatas@AtmosEnergy.com  Doug.Shatas@AtmosEnergy.com  Doug.Shatas@AtmosEnergy.com	913-254-7855
## INFO BASIS Performance Pipe unknown	3/18/202 3/25/202 10/3/202 10/4/202 10/7/202 2/9/202 10/13/202 11/21/202 11/21/202 11/21/202 11/23/202	21 Doug Shatas 21 Doug Shatas 20 Doug Shatas 20 Doug Shatas	Doug.Shatas@AtmosEnergy.com Doug.Shatas@AtmosEnergy.com	
HDPE 3408 Performance Pipe unknown unk	3/25/202 10/3/202 10/4/202 10/7/202 2/9/202 10/13/202 11/20/202 11/20/202 11/23/202 11/24/202	21 Doug Shatas 20 Doug Shatas 20 Doug Shatas		913-254-7863
HDFE 3408 Performance Pipe unknown unk	10/4/202 10/7/202 2/9/202 10/13/202 10/27/202 11/20/202 11/23/202 11/24/202	20 Doug Shatas 20 Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-7867
#HDFE 3408 Performance Pipe unknown un	10/7/202 2/9/202 10/13/202 10/27/202 11/20/202 11/21/202 11/23/202 11/24/202		Doug.Shatas@AtmosEnergy.com	913-254-7869
#W/A unknown withown unknown u	2/9/202 10/13/202 10/27/202 11/20/202 11/21/202 11/23/202 11/24/202		Doug Shatas@AtmosEnergy.com	913-254-7871 913-254-7873
HDPE 3408 Performance Pipe unknown unk	10/27/202 11/20/202 11/21/202 11/23/202 11/24/202	21 Doug Shatas	Doug.Shatas@AtmosEnergy.com  Doug.Shatas@AtmosEnergy.com	913-254-7874
## ## ## ## ## ## ## ## ## ## ## ## ##	11/20/202 11/21/202 11/23/202 11/24/202	20 Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7875
HDFE 3408 Performance Pipe unknown unk	11/21/202 11/23/202 11/24/202	20 Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7878
## ## ## ## ## ## ## ## ## ## ## ## ##	11/23/202 11/24/202	21 Doug Shatas 20 Doug Shatas	Doug.Shatas@AtmosEnergy.com Doug.Shatas@AtmosEnergy.com	913-254-7884 913-254-7885
HDPE 3408 Performance Pipe unknown unk	11/24/202	20 Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-7886
HDPE 3408 Performance Pipe unknown unk	11/28/202	20 Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7887
HDPE 3408 Performance Pipe unknown unk	12/28/202	20 Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-7888 913-254-7889
HDPE 3408 Performance Pipe unknown unk	12/28/202		Doug.Shatas@AtmosEnergy.com  Doug.Shatas@AtmosEnergy.com	913-254-7889
#N/A unknown #N/A unknown unknown 0.75 unknown unknown Loam unknown #N/A Previous impact  HDPE 3408 Performance Pipe unknown unknown 1 1 unknown unknown unknown unknown unknown #N/A Previous impact  MDPE 2406 PolyPipe unknown unknown 4 unknown unknown unknown unknown unknown #N/A Previous impact  MDPE 2406 Other unknown unknown 2 unknown unknown unknown unknown #N/A Previous impact  MDPE 2406 Other unknown unknown 0 2 unknown unknown unknown unknown #N/A Previous impact	12/28/202	20 Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7893
#IV/A unknown #IV/A unknown unknown 0.75 unknown unknown Loam unknown unknown unknown unknown unknown unknown HD/A Previous Impact HDPE 3408 Performance Pipe unknown unknown 1 unknown unknow	3/3/202	20 Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7896
HDPE 3408 Performance Pipe unknown unknown 1 unknown unknown unknown unknown unknown unknown unknown mknown	3/26/202 4/20/202	20 Doug Shatas 20 Doug Shatas	Doug.Shatas@AtmosEnergy.com Doug.Shatas@AtmosEnergy.com	913-254-7897 913-254-7899
MDPE 2406 Other unknown unknown 2 unknown unknown unknown Rocky unknown unknown unknown #W/A Previous Impact	4/21/202	20 Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-7900
	2/12/202	21 Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7902
MDPE 2406 Other unknown #N/A Previous Impact	2/12/202 2/12/202	21 Doug Shatas 21 Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7903
MDP2406 Discopie unknown unkno		20 Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7905
#N/A unknown #N/A unknown unknown 0.75 unknown unknown unknown unknown unknown unknown unknown #N/A	10/25/202	20 Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7907
MDPE 2406 Driscopipe unknown unknown 0.75 unknown unknown nocky unknown unknown anknown ank). MDPE 2406 Performance Pile unknown unknown 0.75 unknown unknown 2 Loam unknown unknown anknown a	11/8/202	20 Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7909
MDPE 2406 Performance Pipe unknown unknown 0.75 unknown unknown 2 Loam unknown unknown anN/A Other (please describle) MDPE 2406 Uponor unknown unknown 0.75 unknown		20 Doug Shatas 20 Doug Shatas	Doug.Shatas@AtmosEnergy.com Doug Shatas@AtmosEnergy.com	913-254-7920 913-254-7921
MDPE 2406 Uponorr unknown unknown 0.75 unknown unknown unknown unknown unknown unknown unknown #N/A Previous Impact	5/25/202	20 Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-7922
MDPE 2406 Driscopipe unknown #N/A Previous Impact	6/1/202	20 Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7923
#N/A unknown #N/A unknown unknown 0.75 unknown unknown unknown toam unknown unknown unknown unknown mN/A MPPE 2005 Driscopipe unknown unknown 2 unknown unknown toam unknown unknown unknown mRN/A Previous Impact	6/5/202 6/14/202	20 Doug Shatas 20 Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-7924 913-254-7925
HDPE 3408 Driscopie unknown un	7/5/202		Doug.Shatas@AtmosEnergy.com	913-254-7927
HDPE 3408 Performance Pipe unknown unknown unknown unknown unknown 1ft Loam unknown unknown unknown #N/A Previous Impact	8/3/202	20 Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7929
MDPE 2306 Driscopipe unknown u	8/4/202 8/11/202	23 Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7930 913-254-7931
MIDPE 2500 Upinote unicidowe unicido		20 Doug Shatas 20 Doug Shatas	Doug.Shatas@AtmosEnergy.com Doug.Shatas@AtmosEnergy.com	913-254-7931
#N/A unknown #N/A unknown unknown 2 unknown unknown unknown unknown unknown unknown unknown #N/A Previous Impact	8/22/202	20 Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7933
#N/A unknown Performance Pipe unknown		20 Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7935
HDPE 3408 Performance Pipe unknown unknown 0.75 unknown unknow	9/14/202	20 Doug Shatas 20 Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-7936 913-254-7937
HDPE 3408 CSR PolyPipe unknown unknown 0.75 unknown un	9/22/202	20 Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7938
#N/A unknown PolyPipe Inc unknown unknown unknown unknown unknown unknown unknown unknown unknown #N/A Previous Impact	12/6/202	20 Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7939
HDPE 3408 Performance Pipe unknown unknown 0.75 unknown unknow	3/29/202	20 Doug Shatas 20 Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7943 913-254-7944
HIPE 5408 Periormate Pipe unknown unknown 0.75 unknown unknown Loam unknown unknown unknown unknown 1.04 Prevous Impact HIPE 5408 Performate Pipe unknown unknown 0.75 unknown	4/30/202	20 Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7946
#N/A unknown #N/A unknown unknown 0.75 unknown unknown unknown unknown unknown unknown unknown #N/A	5/3/202	20 Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-7947
HDPE 3408 Performance Pipe unknown unknown u.0.75 unknown unkn	5/9/202 6/15/202		Doug.Shatas@AtmosEnergy.com	913-254-7948 913-254-7951
MDPE 2406 Dirscoppe unknown unknown d unknown		20 Doug Shatas 20 Doug Shatas	Doug.Shatas@AtmosEnergy.com  Doug.Shatas@AtmosEnergy.com	913-254-7951
MDPE 2406 Driscopipe unknown unknown 0.75 unknown unknown unknown unknown unknown unknown unknown unknown #N/A Previous Impact	12/9/202	20 Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7954
MDPE 2406 Driscopipe unknown unknown 0.75 unknown unknown Loam unknown unknown unknown #N/A Previous Impact	4/9/202	20 Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7958
HDPE 3408 Performance Pipe unknown unknown 0.75 unknown unknow	5/20/202 2/5/202	20 Doug Shatas 23 Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-7975
nure saus retrontante ripe uniquem uniquem U.7.5 unincomi uniquem uniquem uniquem uniquem «N/A Prevous impat. MDPE 2006 Performance Pipe uniquem uniknown un	11/16/202	20 Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-7979
MDPE 2406 Driscopipe unknown u	9/1/202	20 Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-8003
MDPE 2406 Driscopipe unknown unknown unknown unknown unknown unknown toam unknown unkn		20 Doug Shatas 20 Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-8004
MDPE 2406 Driscoppe unknown unknown unknown unknown unknown toam unknown unkno		20 Doug Shatas 21 Doug Shatas	Doug.Shatas@AtmosEnergy.com  Doug.Shatas@AtmosEnergy.com	913-254-8006
HDPE 3406 Driscopipe unknown u	3/5/202	22 Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-8025
MDPE 2406 Plexco unknown unknown 0.75 unknown unknown Loam unknown unknown unknown #N/A Material Defect	1/18/202		Doug.Shatas@AtmosEnergy.com	913-254-8068
HDPE 3408 Driscopipe unknown unknown 1.25 unknown unkn	4/28/202 5/25/202	20 Doug Shatas 20 Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-8081 913-254-8085
MUPE 2406 Unscipple unisitivent unisitativent unisitivent unisitivent unisitivent unisitivent unisitiv	6/3/202	20 Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-8086
HDPE 3406 Performance Pipe unknown unknown 1.25 unknown unknown unknown unknown unknown unknown unknown #N/A Previous impact	6/9/202	20 Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-8087
HDPE3408 PolyPige unknown unknown 0.75 unknown	7/16/202		Doug.Shatas@AtmosEnergy.com	913-254-8090
HDPE 3408 Driscopipe unknown unknown 1 unknown	8/17/202 9/28/202	20 Doug Shatas 20 Doug Shatas	Doug.Shatas@AtmosEnergy.com Doug.Shatas@AtmosEnergy.com	913-254-8094 913-254-8097
#N/A unknown Driscopipe unknown unknown 0.75 unknown unknown unknown unknown unknown unknown unknown #N/A	10/3/202	20 Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-8098
HDPE3406 Performance Pipe unknown unknown 2 unknown unknown Loam unknown unknown unknown #N/A Previous Impact	12/22/202	20 Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-8103
PVC 1120 Plexco unknown unknown 80 unknown unk	2/21/202 2/15/202	20 Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-8104 913-254-8120
HIUPE 3408 UTISCOPIPE UNKNOWN UNKNOWN UNKNOWN UNKNOWN LOSAM UNKNOWN UN		23 Doug Shatas 20 Doug Shatas	Doug.Shatas@AtmosEnergy.com  Doug.Shatas@AtmosEnergy.com	913-254-8129
HDPE 3408 Driscopipe unknown u		20 Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-8132
HDPE3408 Performance Pipe unknown unknown unknown unknown unknown Loam unknown unknown mknown #N/A Previous Impact	5/25/202	21 Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-8139
PVC 1120 Other unknown unknown 80 unknown unknown unknown unknown unknown unknown unknown mknown unknown haftel (Complete "7bc.") Other (please describe) unknown Material Defect	5/25/202 2/13/202	21 Doug Shatas 22 Doug Shatas	Doug.Shatas@AtmosEnergy.com Doug.Shatas@AtmosEnergy.com	913-254-8140 913-254-8150
	5/25/202 2/13/202 2/13/202		Doug.Shatas@AtmosEnergy.com	913-254-8155
MDPE 2406 Driscopipe unknown unknown 2 unknown unknown Loam unknown unknown unknown unknown annown and an unknown unkn	5/25/202 2/13/202 2/13/202 2/13/202 8/4/202 2/9/202	21 Doug Shatas 20 Doug Shatas		913-254-8155

MATERIALS SELECTION INSTALLATION and OPERATIONS SECTION										FAILURE ANALYSIS SECTION									Contact Information						
1) Pipe Or Fitting Identification	a) Type of Material	ai. If "OTHER" on "a)", please describe here	b) Manufacturer	c) ASTM F2897 16- Character Code, Print Line or Label	d) SDR, DR, Schedule or wall thickness	e) Nominal Size	2) Date of Manufacture	3) Method of Installation	a) If "OTHER" on "3)", please describe here	4) Type of soil in contact with pipe	a) If "OTHER" on "4)", please describe here	5). Operating Pressure (psig) at time of failure	a) Operating Pressure (normal year range psig)		7a) Failure/ Leak Location	7b) Failure/ Leak in Fitting	7bi) If "OTHER" on "7b)", please describe here	Zs) Failure/ Leak in Joint	7ci) If "OTHER" on "7c)", please describe here	8) Failure/ Leak Cause	8a) If "OTHER" on "8)", please describe here	9) Date of Failure/Leak	CONTACT NAME	E-MAIL	PHONE
	MDPE 2406		Driscopipe				unknown	unknown					unknown		#N/A					Previous Impact		12/5/2020		Doug.Shatas@AtmosEnergy.com	913-254-8162
	#N/A	unknown	#N/A		unknown		unknown	unknown	unknow						Fitting (Complete "7b.")		unknown			Material Defect		9/18/2021	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-8173
	#N/A HDPE 3408	unknown	#N/A Performance Pipe				unknown	unknown	unknow						Fitting (Complete "7b.") Fitting (Complete "7b.")	#N/A Other (please describe)	unknown			Excessive external earth loading Excessive external earth loading		12/28/2019 6/15/2022	Doug Shatas Doug Shatas	Doug Shatas@AtmosEnergy.com Doug Shatas@AtmosEnergy.com	913-254-8194 913-254-8195
	MDPE 2406		Driscopipe		unknown		unknown	unknown	unknow			unknown			#N/A	Other (please describe)	ulikilowii			Previous Impact		12/30/2019		Doug.Shatas@AtmosEnergy.com	913-254-8196
	HDPE 3408		Performance Pipe					unknown	unknow	n Loam		unknown	unknown	unknown	#N/A					Previous Impact		12/31/2019		Doug.Shatas@AtmosEnergy.com	913-254-8197
	MDPE 2406		Driscopipe	unknown	unknown	unknowr	unknown	unknown	unknow	n Loam		unknown	unknown	unknown	#N/A					Previous Impact		1/29/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-8207
	#N/A	unknown	PolyPipe				unknown	unknown	unknow				unknown		#N/A					Previous Impact		1/29/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-8208
	MDPE 2406		Driscopipe				unknown	unknown	unknow				unknown		#N/A					Previous Impact		2/2/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-8209
	MDPE 2406 MDPE 2406		Performance Pipe				unknown	unknown	unknow				unknown		#N/A					Previous Impact		2/8/2020 2/10/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com Doug Shatas@AtmosEnergy.com	913-254-8210
	HDPE 3408		Driscopipe Performance Pipe			unknowr 2	unknown	unknown	unknow				unknown		#N/A #N/A					Unknown: Not Excavated - Abandoned and/or Replaced Previous Impact		2/10/2020	Doug Shatas Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-8211
	MDPE 2406		Performance Pipe				unknown	unknown	unknow				unknown		#N/A					Previous Impact		2/11/2020		Doug Shatas@AtmosEnergy.com	913-254-8214
		unknown	#N/A		unknown	2	unknown	unknown	unknow	n Loam		unknown	unknown	unknown	#N/A					Excessive external earth loading		2/21/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-8215
	MDPE 2406		Performance Pipe	unknown	unknown	unknown	unknown	unknown	unknow	n Loam		unknown	unknown	unknown	#N/A					Previous Impact		3/16/2020	Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-8217
	MDPE 2406		Driscopipe	unknown	unknown	unknown	unknown	unknown	unknow	n Rocky		unknown	unknown	unknown	Fitting (Complete "7b.")	#N/A				Material Defect		3/17/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-8219
	HDPE 3406		Plexco				unknown	unknown	unknow				unknown		#N/A					Previous Impact				Doug.Shatas@AtmosEnergy.com	913-254-8228
	HDPE 3408		Performance Pipe					unknown	unknow						Fitting (Complete "7b.")	Other (please describe)	unknown			Unknown: Not Excavated - Abandoned and/or Replaced		10/22/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-8229
	MDPE 2406		PolyPipe				unknown	unknown	unknow			unknown			#N/A					Previous Impact		4/21/2020		Doug Shatas@AtmosEnergy.com	913-254-8231
	MDPE 2406 HDPE 3406		Driscopipe Plexco				unknown unknown	unknown	unknow				unknown		#N/A #N/A					Previous Impact Previous Impact		4/26/2020 5/9/2020	Doug Shatas Doug Shatas	Doug.Shatas@AtmosEnergy.com  Doug.Shatas@AtmosEnergy.com	913-254-8234 913-254-8238
	HDPE 3406		Performance Pipe					unknown	unknow			unknown			#N/A					Material Defect		11/15/2022		Doug Shatas@AtmosEnergy.com	913-254-8242
	MDPE 2406		Driscopipe	unknown				unknown	unknow				unknown		#N/A					Unknown: Not Excavated - Abandoned and/or Replaced		5/30/2020		Doug.Shatas@AtmosEnergy.com	913-254-8243
	#N/A	unknown	Performance Pipe					unknown	unknow			unknown			#N/A					Previous Impact		6/1/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-8248
	HDPE 3408		Performance Pipe	unknown	unknown	unknown	unknown	unknown	unknow	n Loam		unknown	unknown	unknown	#N/A					#N/A		6/8/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-8255
	HDPE 3406		Performance Pipe					unknown	unknow						Joint (Complete "7c.")			Other (please describle)	unknown	Excessive external earth loading		12/26/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-8265
	#N/A	unknown	#N/A				unknown	unknown	unknow				unknown		#N/A #N/A					Unknown: Not Excavated - Abandoned and/or Replaced		7/3/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-8267
	MDPE 2406	unknown	Driscopipe				unknown	unknown	unknow			unknown	unknown		*****					Previous Impact		7/5/2020 1/4/2021	Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-8268
	#N/A #N/A	unknown	#N/A #N/A				unknown unknown	unknown	unknow				unknown		#N/A #N/A					Material Defect Material Defect		1/4/2021	Doug Shatas Doug Shatas	Doug.Shatas@AtmosEnergy.com  Doug Shatas@AtmosEnergy.com	913-254-8271
	MDPE 2406	unknown	PolyPipe				unknown	unknown	unknow			unknown			#N/A					Previous Impact		8/1/2020	Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-8276
	#N/A	unknown	Other		unknown	2	unknown	unknown	unknow			unknown	unknown	unknown	Joint (Complete "7c.")			Other (please describle)	unknown	Excessive external earth loading		8/9/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-8281
	#N/A	unknown	Other	unknown	unknown	2	unknown	unknown	unknow	n Loam		unknown	unknown	unknown	Joint (Complete "7c.")			Other (please describle)	unknown	Excessive external earth loading		8/9/2020	Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-8282
	MDPE 2406		Performance Pipe	unknown	unknown	unknown	unknown	unknown	unknow	n Loam		unknown	unknown	unknown	#N/A					Previous Impact		11/7/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-8284
	#N/A	unknown	Driscopipe	unknown		1.25	unknown	unknown	unknow				unknown		#N/A					Previous Impact		8/18/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-8287
	HDPE 3406		Other				unknown	unknown	unknow				unknown		#N/A					Previous Impact		8/22/2020		Doug.Shatas@AtmosEnergy.com	913-254-8289
	#N/A		Performance Pipe					unknown	unknow				unknown		#N/A					Previous Impact		9/27/2020		Doug.Shatas@AtmosEnergy.com	913-254-8303
	HDPE 3408 MDPE 2406		Performance Pipe Driscopipe	unknown		2	unknown unknown	unknown	unknow				unknown unknown		#N/A #N/A					Previous Impact Previous Impact		10/3/2020 10/12/2020	Doug Shatas Doug Shatas	Doug.Shatas@AtmosEnergy.com Doug.Shatas@AtmosEnergy.com	913-254-8305 913-254-8308
	#N/A	unknown	#N/A				unknown	unknown	unknow				unknown		#N/A					Previous Impact		11/3/2020	Doug Shatas	Doug Shatar®AtmorEnergy.com	913-254-8312
	#N/A	unknown	Driscopipe		unknown		unknown	unknown	unknow				unknown		#N/A					Previous Impact				Doug.Shatas@AtmosEnergy.com	913-254-8313
	MDPE 2406		Driscopipe	unknown	unknown	unknown	unknown	unknown	unknow	n Loam		unknown	unknown	unknown	#N/A					Previous Impact		11/28/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-8316
	HDPE 3406		Performance Pipe	unknown	unknown	unknowr	unknown	unknown	unknow	n Rocky		unknown	unknown	unknown	#N/A					Previous Impact		11/29/2020	Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-8317
	#N/A	unknown	PolyPipe				unknown	unknown	unknow				unknown		#N/A					Previous Impact		11/30/2020	Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-8318
	#N/A	unknown	PolyPipe				unknown	unknown	unknow			unknown			#N/A					Previous Impact		12/1/2020		Doug.Shatas@AtmosEnergy.com	913-254-8319
	HDPE 3408		Driscopipe		unknown		unknown	unknown	unknow			unknown			#N/A					Previous Impact			Doug Shatas	Doug.Shatas@AtmosEnergy.com	913-254-8321
	MDPE 2406		Driscopipe				unknown	unknown	unknow				unknown		#N/A					Previous Impact		1/29/2020	Doug Shatas	Doug Shatas@AtmosEnergy.com Doug Shatas@AtmosEnergy.com	913-254-8335
	#N/A #N/A	unknown	#N/A Other				unknown unknown	unknown	unknow				unknown		#N/A Eitting (Complete "7b ")	Other (please describe)	unkno			Previous Impact Material Defect		10/4/2020	Doug Shatas Doug Shatas	Doug.Snatas@AtmosEnergy.com	913-254-8348
	#N/A MDPE 2406	unknown	Other				unknown unknown	unknown	unknow				unknown		#N/A	Outer (please desCribe)	unknown			Previous Impact		5/12/2022		Doug.Shatas@AtmosEnergy.com  Doug.Shatas@AtmosEnergy.com	913-254-8349
	MDPE 2406		Driscopipe				unknown	unknown	unknow				unknown		#N/A					Excessive external earth loading		8/19/2020	Doug Shatas	Doug Shatas@AtmosEnergy.com	913-254-8358
	ABS 1210		Other					unknown	unknow				unknown		#N/A					Previous Impact		11/21/2020		Doug.Shatas@AtmosEnergy.com	913-254-8374