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LINDSEY W. INGRAM III

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PUBLIC SERVICE

COMMISSION

January 16, 2013

HAND DELIVERED

Jeff Derouen Executive Director Public Service Commission 211 Sower Boulevard Frankfort, Kentucky 40601

Re: Case No. 2012-00239

Dear Mr. Derouen:

Pursuant to Commission Staff's request in the above-referenced matter, enclosed please find an original and ten copies of the revised incident report that Louisville Gas & Electric Company has submitted to the Pipeline and Hazardous Materials Safety Administration. Should you have any questions, please do not hesitate to contact me.

Very truly yours,

Stoll Keenon Ogden PLLC

Lindsey W. Ingram I

Enclosure

cc:

J. Gregory Cornett Allyson K. Sturgeon

400001.143569/4100412.1

NOTICE: This report is required by 49 CFR Part 191. Failure to report can result in a civil penalty not to exceed 100,000 for each violation for each day that such violation persists except that the maximum civil penalty shall not exceed \$1,000,000 as provided in 49 USC 60122.

Report Date:

U.S Department of Transportation

OMB NO: 2137-0522 EXPIRATION DATE: 01/31/2014

INCIDENT REPORT - GAS-DISTRIBUTION SYSTEM

A federal agency may not conduct or sponsor, and a person is not required to respond to, nor shall a person be subject to a penalty for failure to comply with a collection of information subject to the requirements of the Paperwork Reduction Act unless that collection of information displays a current valid OMB Control Number The OMB Control Number for this information collection is 2137-0522. Public reporting for this collection of information is estimated to be approximately 10 hours per response, including the time for reviewing instructions, gathering the data needed, and completing and reviewing the collection of information. All responses to this collection of information are mandatory. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to: Information Collection Clearance Officer, PHMSA, Office of Pipeline Safety (PHP-30) 1200 New Jersey Avenue, SE, Washington, D.C. 20590.

INSTRUCTIONS

Important: Please read the separate instructions for completing this form before you begin. They clarify the information requested and provide specific examples. If you do not have a copy of the instructions, you can obtain one from the PHMSA Pipeline Safety Community Web Page at http://www.phmsa.dot.gov/pipeline.

PART A - KEY REPORT INFORMATION

Pipeline and Hazardous Materials Safety Administration

Report Type: (select all that apply)	Original:	Supplemental:	Final:
	04/45/0040	Yes	L
Last Revision Date	01/15/2013 11824		
Operator's OPS-issued Operator Identification Number (OPID):		LELECTRIC CO	
2. Name of Operator	LOUISVILLE GAS 8	ELECTRIC CO	
3. Address of Operator:	I OOO MAAAAN CT DO	2 BOV 22010	
3a. Street Address	220 W MAIN ST, PO	J BOX 32010	
3b. City	Kentucky		
3c. State	40232		
3d. Zip Code 4. Local time (24-hr clock) and date of the Incident:	12/06/2011 07:03		
5. Location of Incident:	12/00/2011 07.03		
5a. Street Address or location description	5206 River Trail Pla	CO	
5b. City	Lousiville	CE	
5c. County or Parish	Jefferson		
5d. State:	Kentucky		
5e. Zip Code:	40299		
5f. Latitude:	38.10537		
Longitude:	-85.66293		
6. National Response Center Report Number:	997289		
7. Local time (24-hr clock) and date of initial telephonic report to the National	12/06/2011 09:46		···
Response Center:			
8. Incident resulted from:	Unintentional releas	e of gas	
9. Gas released:	Natural Gas		
- Other Gas Released Name:			
10. Estimated volume of gas released - Thousand Cubic Feet (MCF):	26.00		
11. Were there fatalities?	No		
- If Yes, specify the number in each category:			
11a. Operator employees			
11b. Contractor employees working for the Operator			
11c. Non-Operator emergency responders			
11d. Workers working on the right-of-way, but NOT			
associated with this Operator			
11e. General public			
11f. Total fatalities (sum of above)	No.		
12. Were there injuries requiring inpatient hospitalization?	No		
- If Yes, specify the number in each category:	T		· · · · · · · · · · · · · · · · · · ·
12a. Operator employees 12b. Contractor employees working for the Operator			
12c. Non-Operator emergency responders			
12c. Non-Operator emergency responders 12d. Workers working on the right-of-way, but NOT			
associated with this Operator	1		
12e. General public			
12f. Total injuries (sum of above)	 		······································
13. Was the pipeline/facility shut down due to the incident?	Yes		
- If No, Explain:	100		

Form PHMSA F 7100.1 (Rev. 06-2011)

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(DOT Use Only)

JAN 1 6 2013

- If Yes, complete Questions 13a and 13b: (use local time, 24-hr clock)	
13a. Local time and date of shutdown:	12/06/2011 08:20
13b. Local time and date of shutdown. 13b. Local time pipeline/facility restarted:	12/07/2011 06:30
- Still shut down? (* Supplemental Report Required)	
14. Did the gas ignite?	Yes
15. Did the gas explode?	Yes
16. Number of general public evacuated:	10
17. Time sequence (use local time, 24-hour clock):	
17a. Local time operator identified Incident:	12/06/2011 07:03
17b. Local time operator resources arrived on site:	12/06/2011 07:03
PART B - ADDITIONAL LOCATION INFORMATION	
1. Was the Incident on Federal land?	No
2. Location of Incident	Utility Right-of-way / Easement
3. Area of Incident:	Underground
Specify:	Under soil
If Other, Describe:	
Depth of Cover:	
4. Did Incident occur in a crossing?	No
- If Yes, specify type below:	
- If Bridge crossing —	
Cased/ Uncased:	
- If Railroad crossing	
Cased/ Uncased/ Bored/drilled	
- If Road crossing —	
Cased/ Uncased/ Bored/drilled	
- If Water crossing –	
Cased/ Uncased	
Name of body of water (If commonly known):	
Approx. water depth (ft):	
Indicate the type of pipeline system: If Other, specify:	Natural Gas Distribution, privately owned
Part of system involved in Incident:	Main
- If Other, specify:	0004
2a. Year "Part of system involved in Incident" was installed:	2001
Unknown? 3. When "Main" or "Service" is selected as the "Part of system involved in Incide	nt!! (from DART C. Quanting 2) provide the following:
	Y ************************************
3a. Nominal diameter of pipe (in):	4 ASTM D2513
3b. Pipe specification (e.g., API 5L, ASTM D2513):	ASTM D2513
Unknown?	
3c. Pipe manufacturer: Unknown?	
3d. Year of manufacture:	l Yes
Su. Tear of mandiactore. Unknown?	Yes 2000
	Yes 2000
Material involved in Incident:	2000
Material involved in Incident: - If Other, specify:	
- If Other, specify:	2000
	2000
- If Other, specify: 4a. If Steel, Specify seam type:	2000
- If Other, specify: 4a. If Steel, Specify seam type: None/Unknown?	2000
- If Other, specify: 4a. If Steel, Specify seam type: None/Unknown? 4b. If Steel, Specify wall thickness (inches):	2000
- If Other, specify: 4a. If Steel, Specify seam type: None/Unknown? 4b. If Steel, Specify wall thickness (inches): Unknown?	Plastic
- If Other, specify: 4a. If Steel, Specify seam type: None/Unknown? 4b. If Steel, Specify wall thickness (inches): Unknown? 4c. If Plastic, Specify type: - If Other, describe: 4d. If Plastic, Specify Standard Dimension Ratio (SDR):	Plastic
- If Other, specify: 4a. If Steel, Specify seam type: None/Unknown? 4b. If Steel, Specify wall thickness (inches): Unknown? 4c. If Plastic, Specify type: - If Other, describe: 4d. If Plastic, Specify Standard Dimension Ratio (SDR): Or wall thickness:	Plastic Polyethylene (PE)
- If Other, specify: 4a. If Steel, Specify seam type: None/Unknown? 4b. If Steel, Specify wall thickness (inches): Unknown? 4c. If Plastic, Specify type: - If Other, describe: 4d. If Plastic, Specify Standard Dimension Ratio (SDR): Or wall thickness: Unknown?	Plastic Polyethylene (PE) 11.5
- If Other, specify: 4a. If Steel, Specify seam type: None/Unknown? 4b. If Steel, Specify wall thickness (inches): Unknown? 4c. If Plastic, Specify type: - If Other, describe: 4d. If Plastic, Specify Standard Dimension Ratio (SDR): Or wall thickness: Unknown? 4e. If Polyethylene (PE) is selected as the type of plastic in Part C, Qu	Plastic Polyethylene (PE) 11.5 estion 4.c:
- If Other, specify: 4a. If Steel, Specify seam type: None/Unknown? 4b. If Steel, Specify wall thickness (inches): Unknown? 4c. If Plastic, Specify type: - If Other, describe: 4d. If Plastic, Specify Standard Dimension Ratio (SDR): Or wall thickness: Unknown? 4e. If Polyethylene (PE) is selected as the type of plastic in Part C, Qu - Specify PE Pipe Material Designation Code (i.e. 2406, 3408, etc.)	Plastic Polyethylene (PE) 11.5
- If Other, specify: 4a. If Steel, Specify seam type: None/Unknown? 4b. If Steel, Specify wall thickness (inches): Unknown? 4c. If Plastic, Specify type: - If Other, describe: 4d. If Plastic, Specify Standard Dimension Ratio (SDR): Or wall thickness: Unknown? 4e. If Polyethylene (PE) is selected as the type of plastic in Part C, Qu - Specify PE Pipe Material Designation Code (i.e. 2406, 3408, etc.) Unknown?	Plastic Polyethylene (PE) 11.5 estion 4.c: 2406
- If Other, specify: 4a. If Steel, Specify seam type: None/Unknown? 4b. If Steel, Specify wall thickness (inches): Unknown? 4c. If Plastic, Specify type: - If Other, describe: 4d. If Plastic, Specify Standard Dimension Ratio (SDR): Or wall thickness: Unknown? 4e. If Polyethylene (PE) is selected as the type of plastic in Part C, Qu - Specify PE Pipe Material Designation Code (i.e. 2406, 3408, etc.) Unknown? 5. Type of release involved:	Plastic Polyethylene (PE) 11.5 estion 4.c:
- If Other, specify: 4a. If Steel, Specify seam type: None/Unknown? 4b. If Steel, Specify wall thickness (inches): Unknown? 4c. If Plastic, Specify type: - If Other, describe: 4d. If Plastic, Specify Standard Dimension Ratio (SDR): Or wall thickness: Unknown? 4e. If Polyethylene (PE) is selected as the type of plastic in Part C, Qu - Specify PE Pipe Material Designation Code (i.e. 2406, 3408, etc.) Unknown? 5. Type of release involved: - If Mechanical Puncture - Specify Approx size:	Polyethylene (PE) 11.5 estion 4.c: 2406
- If Other, specify: 4a. If Steel, Specify seam type: None/Unknown? 4b. If Steel, Specify wall thickness (inches): Unknown? 4c. If Plastic, Specify type: - If Other, describe: 4d. If Plastic, Specify Standard Dimension Ratio (SDR): Or wall thickness: Unknown? 4e. If Polyethylene (PE) is selected as the type of plastic in Part C, Qu - Specify PE Pipe Material Designation Code (i.e. 2406, 3408, etc.) Unknown? 5. Type of release involved: - If Mechanical Puncture - Specify Approx size: Approx. size: in. (axial):	Plastic Polyethylene (PE) 11.5 estion 4.c: 2406
- If Other, specify: 4a. If Steel, Specify seam type: None/Unknown? 4b. If Steel, Specify wall thickness (inches): Unknown? 4c. If Plastic, Specify type: - If Other, describe: 4d. If Plastic, Specify Standard Dimension Ratio (SDR): Or wall thickness: Unknown? 4e. If Polyethylene (PE) is selected as the type of plastic in Part C, Qu - Specify PE Pipe Material Designation Code (i.e. 2406, 3408, etc.) Unknown? 5. Type of release involved: - If Mechanical Puncture - Specify Approx size: Approx. size: in. (axial): in. (circumferential):	Plastic Polyethylene (PE) 11.5 estion 4.c: 2406
- If Other, specify: 4a. If Steel, Specify seam type: None/Unknown? 4b. If Steel, Specify wall thickness (inches): Unknown? 4c. If Plastic, Specify type: - If Other, describe: 4d. If Plastic, Specify Standard Dimension Ratio (SDR): Or wall thickness: Unknown? 4e. If Polyethylene (PE) is selected as the type of plastic in Part C, Qu - Specify PE Pipe Material Designation Code (i.e. 2406, 3408, etc.) Unknown? 5. Type of release involved: - If Mechanical Puncture - Specify Approx size: Approx. size: in. (axial):	Plastic Polyethylene (PE) 11.5 estion 4.c: 2406

- If Rupture - Select Orientation:	
- If Other, Describe:	
Approx. size: (widest opening):	
(length circumferentially or axially):	
- If Other - Describe:	The natural gas main had an oval hole in it on the side of the natural gas main facing the hole and crack found in the [adjacent] water service. The hole in the natural gas main was approximately one half inch.
PART D - ADDITIONAL CONSEQUENCE INFORMATION	
. Class Location of Incident :	Class 3 Location
. Estimated Property Damage :	
Estimated cost of public and non-Operator private property damage	\$ 520,000
2b. Estimated cost of Operator's property damage & repairs	\$ 23,166
2c. Estimated cost of Operator's emergency response	\$ 2,784
2d. Estimated other costs	\$ 0
- Describe:	
2e. Total estimated property damage (sum of above)	\$ 545,950
Cost of Gas Released	
2f. Estimated cost of gas released	\$ 122
Estimated number of customers out of service:	
3a. Commercial entities_	0
3b. Industrial entities	0
3c. Residences	3
PART E - ADDITIONAL OPERATING INFORMATION	
. Estimated pressure at the point and time of the Incident (psig):	59.00
Normal operating pressure at the point and time of the Incident (psig):	60.00
Maximum Allowable Operating Pressure (MAOP) at the point and time of e Incident (psig):	60.00
Describe the pressure on the system relating to the Incident:	Pressure did not exceed MAOP
. Was a Supervisory Control and Data Acquisition (SCADA) based system in lace on the pipeline or facility involved in the Incident?	Yes
- If Yes:	
5a. Was it operating at the time of the Incident?	Yes
5b. Was it fully functional at the time of the Incident?	Yes
5c. Did SCADA-based information (such as alarm(s), alert(s), event(s), and/or volume or pack calculations) assist with the detection of the Incident?	No
5d. Did SCADA-based information (such as alarm(s), alert(s), event(s), and/or volume calculations) assist with the confirmation of the Incident?	No
How was the Incident initially identified for the Operator?	Local Operating Personnel, including contractors
6a. If "Controller", "Local Operating Personnel, including contractors", "Air Patrol", or "Ground Patrol by Operator or its	Operator employee
contractor" is selected in Question 6, specify the following:	
- If Other, Specify:	
Was an investigation initiated into whether or not the controller(s) or control from issues were the cause of or a contributing factor to the Incident?	No, the Operator did not find that an investigation of the controller(s) actions or control room issues was necessary due to: (provide an explanation for why the Operator did not
norm issues were the cause of or a contributing factor to the incluent?	investigate)
- If No, the operator did not find that an investigation of the controller(s) actions or control room issues was necessary due to: (provide an explanation for why the operator did not investigate)	investigate) The incident investigation did not indicate any contributing factors that could be related to the control room or the controller.
- If No, the operator did not find that an investigation of the controller(s) actions or control room issues was necessary due to: (provide an	The incident investigation did not indicate any contributing factors that could be related to the control room or the
- If No, the operator did not find that an investigation of the controller(s) actions or control room issues was necessary due to: (provide an explanation for why the operator did not investigate) - If Yes, Specify investigation result(s) (select all that apply): - Investigation reviewed work schedule rotations, continuous hours of service (while working for the Operator), and other factors	The incident investigation did not indicate any contributing factors that could be related to the control room or the
- If No, the operator did not find that an investigation of the controller(s) actions or control room issues was necessary due to: (provide an explanation for why the operator did not investigate) - If Yes, Specify investigation result(s) (select all that apply): - Investigation reviewed work schedule rotations, continuous hours of service (while working for the Operator), and other factors associated with fatigue	The incident investigation did not indicate any contributing factors that could be related to the control room or the
- If No, the operator did not find that an investigation of the controller(s) actions or control room issues was necessary due to: (provide an explanation for why the operator did not investigate) - If Yes, Specify investigation result(s) (select all that apply): - Investigation reviewed work schedule rotations, continuous hours of service (while working for the Operator), and other factors associated with fatigue - Investigation did NOT review work schedule rotations, continuous hours of service (while working for the Operator), and other factors	The incident investigation did not indicate any contributing factors that could be related to the control room or the
- If No, the operator did not find that an investigation of the controller(s) actions or control room issues was necessary due to: (provide an explanation for why the operator did not investigate) - If Yes, Specify investigation result(s) (select all that apply): - Investigation reviewed work schedule rotations, continuous hours of service (while working for the Operator), and other factors associated with fatigue - Investigation did NOT review work schedule rotations, continuous hours of service (while working for the Operator), and other factors associated with fatigue	The incident investigation did not indicate any contributing factors that could be related to the control room or the
- If No, the operator did not find that an investigation of the controller(s) actions or control room issues was necessary due to: (provide an explanation for why the operator did not investigate) - If Yes, Specify investigation result(s) (select all that apply): - Investigation reviewed work schedule rotations, continuous hours of service (while working for the Operator), and other factors associated with fatigue - Investigation did NOT review work schedule rotations, continuous hours of service (while working for the Operator), and other factors associated with fatigue - Provide an explanation for why not:	The incident investigation did not indicate any contributing factors that could be related to the control room or the
- If No, the operator did not find that an investigation of the controller(s) actions or control room issues was necessary due to: (provide an explanation for why the operator did not investigate) - If Yes, Specify investigation result(s) (select all that apply): - Investigation reviewed work schedule rotations, continuous hours of service (while working for the Operator), and other factors associated with fatigue - Investigation did NOT review work schedule rotations, continuous hours of service (while working for the Operator), and other factors associated with fatigue	The incident investigation did not indicate any contributing factors that could be related to the control room or the

 Investigation identified that fatigue may have affected the 	
controller(s) involved or impacted the involved controller(s) response	
- Investigation identified incorrect procedures	
 Investigation identified incorrect control room equipment operation Investigation identified maintenance activities that affected control 	
room operations, procedures, and/or controller response	
- Investigation identified areas other than those above	
Describe:	
PART F - DRUG & ALCOHOL TESTING INFORMATION	
As a result of this Incident, were any Operator employees tested under the	Tyes
post-accident drug and alcohol testing requirements of DOT's Drug & Alcohol	
Testing regulations?	
- If Yes:	
1a. Specify how many were tested:	3
1b. Specify how many failed:	0
As a result of this Incident, were any Operator contractor employees tested	No
under the post-accident drug and alcohol testing requirements of DOT's Drug & Alcohol Testing regulations?	INO
- If Yes:	
2a. Specify how many were tested: 2b. Specify how many failed:	
zb. Specify flow many falled.	
PART G - CAUSE INFORMATION	
Select only one box from PART G in shaded column on left representing the Appright. Describe secondary, contributing, or root causes of the Incident in the narro	
Apparent Cause:	G4 - Other Outside Force Damage
G1 - Corrosion Failure - only one sub-cause can be picked from shaded le	it-nand column
Corrosion Failure Sub-Cause:	
- If External Corrosion:	
Results of visual examination:	100000000000000000000000000000000000000
~ If Other, Specify:	
2. Type of corrosion:	
- Galvanic	
- Atmospheric	
- Stray Current	
- Microbiological	
- Selective Seam - Other	
- Other - Other, Describe:	
The type(s) of corrosion selected in Question 2 is based on the following:	
- Field examination	
- Determined by metallurgical analysis	
- Other	
- If Other, Describe:	
Was the failed item buried under the ground?	
- If Yes:	
4a. Was failed item considered to be under cathodic protection at the time of the incident?	
- If Yes, Year protection started:	
4b. Was shielding, tenting, or disbonding of coating evident at the point of the incident?	
4c. Has one or more Cathodic Protection Survey been conducted at	
the point of the incident?	
If "Yes, CP Annual Survey" Most recent year conducted:	
If "Yes, Close Interval Survey" Most recent year conducted:	
If "Yes, Other CP Survey" ~ Most recent year conducted:	
- If No:	
4d. Was the failed item externally coated or painted?	
5. Was there observable damage to the coating or paint in the vicinity of the corrosion?	
6. Pipeline coating type, if steel pipe is involved:	
- If Other, Describe:	
- If Internal Corrosion:	

- If Other, Describe:	
8. Cause of corrosion (select all that apply):	
- Corrosive Commodity	
- Water drop-out/Acid	
- Microbiological	
- Erosion	
- Other	
- If Other, Specify:	
9. The cause(s) of corrosion selected in Question 8 is based on the following: (see	elect all that apply):
- Field examination	
- Determined by metallurgical analysis	
- Other	
- If Other, Describe:	
10. Location of corrosion (select all that apply).	
- Low point in pipe	
- Elbow	
- Drop-out	
- Other	
- If Other, Describe:	
11. Was the gas/fluid treated with corrosion inhibitor or biocides?	
12. Were any liquids found in the distribution system where the Incident	
occurred?	
Complete the following if any Corrosion Failure sub-cause is selected AND th	o "Part of system involved in incident" (from PAPT C
Question 2) is Main, Service, or Service Riser.	e Tart of System involved in incluent (nontract o,
13. Date of the most recent Leak Survey conducted	
14. Has one or more pressure test been conducted since original construction	
at the point of the Incident?	
- If Yes:	
Most recent year tested:	
Test pressure:	
C2 Natural Corpo Damago and an out any one has he sixted from abo	dod toff handed adjumn
G2 — Natural Force Damage — only one sub-cause can be picked from sha	aea leu-naudea columin
Natural Force Damage – Sub-Cause:	
- If Earth Movement, NOT due to Heavy Rains/Floods:	
1. Specify:	
- If Other, Specify:	
- If Other, Specify.	
- If Heavy Rains/Floods:	
- If Heavy Rains/Floods: 2. Specify:	
- If Heavy Rains/Floods: 2. Specify: - If Other, Specify:	
- If Heavy Rains/Floods: 2. Specify: - If Other, Specify: - If Lightning:	
- If Heavy Rains/Floods: 2. Specify: - If Other, Specify: - If Lightning: 3. Specify:	
- If Heavy Rains/Floods: 2. Specify: - If Other, Specify: - If Lightning: 3. Specify: - If Temperature:	
- If Heavy Rains/Floods: 2. Specify: - If Cother, Specify: - If Lightning: 3. Specify: - If Temperature: 4. Specify:	
- If Heavy Rains/Floods: 2. Specify: - If Other, Specify: - If Lightning: 3. Specify: - If Temperature:	
- If Heavy Rains/Floods: 2. Specify: - If Cother, Specify: - If Lightning: 3. Specify: - If Temperature: 4. Specify:	
- If Heavy Rains/Floods: 2. Specify: - If Other, Specify: - If Lightning: 3. Specify: - If Temperature: 4. Specify: - If Other, Specify: - If Other, Specify:	
- If Heavy Rains/Floods: 2. Specify: - If Cother, Specify: - If Lightning: 3. Specify: - If Temperature: 4. Specify: - If Other, Specify: - If Other, Specify:	
- If Heavy Rains/Floods: 2. Specify: - If Cother, Specify: - If Lightning: 3. Specify: - If Temperature: 4. Specify: - If Other, Specify: - If High Winds: - Other Natural Force Damage:	
- If Heavy Rains/Floods: 2. Specify: - If Cother, Specify: - If Lightning: 3. Specify: - If Temperature: 4. Specify: - If Other, Specify: - If Other, Specify: - Other Natural Force Damage: 5. Describe:	
- If Heavy Rains/Floods: 2. Specify: - If Cother, Specify: - If Lightning: 3. Specify: - If Temperature: 4. Specify: - If Other, Specify: - If Other, Specify: - If High Winds: - Other Natural Force Damage: 5. Describe: Complete the following if any Natural Force Damage sub-cause is selected.	
- If Heavy Rains/Floods: 2. Specify:	
- If Heavy Rains/Floods: 2. Specify:	
- If Heavy Rains/Floods: 2. Specify:	
- If Heavy Rains/Floods: 2. Specify:	
- If Heavy Rains/Floods: 2. Specify:	
- If Heavy Rains/Floods: 2. Specify:	
- If Heavy Rains/Floods: 2. Specify:	
- If Heavy Rains/Floods: 2. Specify:	
- If Heavy Rains/Floods: 2. Specify:	l left-hand column
- If Heavy Rains/Floods: 2. Specify: - If Cother, Specify: - If Other, Specify: - If Temperature: 4. Specify: - If Other, Specify: - If Other, Specify: - If Other, Specify: - If Other, Specify: - Other Natural Force Damage: 5. Describe: Complete the following if any Natural Force Damage sub-cause is selected. 6. Were the natural forces causing the Incident generated in conjunction with an extreme weather event? 6.a. If Yes, specify (select all that apply): - Hurricane - Tropical Storm - Tornado - Other - If Other, Specify: G3 — Excavation Damage — only one sub-cause can be picked from shaded Excavation Damage — Sub-Cause:	eft-hand column
- If Heavy Rains/Floods: 2. Specify:	
- If Heavy Rains/Floods: 2. Specify: - If Cother, Specify: - If Other, Specify: - If Temperature: 4. Specify: - If Other, Specify: - If Other, Specify: - If Other, Specify: - If Other, Specify: - Other Natural Force Damage: 5. Describe: Complete the following if any Natural Force Damage sub-cause is selected. 6. Were the natural forces causing the Incident generated in conjunction with an extreme weather event? 6.a. If Yes, specify (select all that apply): - Hurricane - Tropical Storm - Tornado - Other - If Other, Specify: G3 — Excavation Damage — only one sub-cause can be picked from shaded Excavation Damage — Sub-Cause:	I left-hand column

- If Excavation Damage by Third Party:	
- If Previous Damage due to Excavation Activity:	
Complete the following ONLY IF the "Part of system involved in Incident" (fr	om Part C. Question 2) is Main Service or Service Diser
Date of the most recent Leak Survey conducted	Jili Part C, Question 2) is Walli, Service, or Service Riser.
Date of the most recent Leak Survey conducted Has one or more pressure test been conducted since original construction	
at the point of the Incident?	
- If Yes:	
Most recent year tested:	
Test pressure:	
Complete the following if Excavation Damage by Third Party is selected.	
Did the operator get prior notification of the excavation activity?	
3a. If Yes, Notification received from: (select all that apply):	
- One-Call System	
- Excavator	
- Contractor - Landowner	
Complete the following mandatory CGA-DIRT Program questions if any Exc	avation Damage sub-cause is selected.
 Do you want PHMSA to upload the following information to CGA-DIRT (www.cga-dirt.com)? 	
5. Right-of-Way where event occurred (select all that apply):	
- Public	
- If Public, Specify:	
- Private	
- If Private, Specify: - Pipeline Property/Easement	
- Property/Easement - Power/Transmission Line	
- Railroad	
- Dedicated Public Utility Easement	
- Federal Land	The state of the s
- Data not collected	
- Unknown/Other	
6. Type of excavator:	
7. Type of excavation equipment:	
Type of work performed: Was the One-Call Center notified?	
9a. If Yes, specify ticket number:	
9b. If this is a State where more than a single One-Call Center exists, list	
the name of the One-Call Center notified:	
10. Type of Locator:	
11. Were facility locate marks visible in the area of excavation?	
12. Were facilities marked correctly?	
13. Did the damage cause an interruption in service?	
13a. If Yes, specify duration of the interruption:14. Description of the CGA-DIRT Root Cause (select only the one predominant)	first level CGA DIRT Root Cause and then, where available as a
choice, the one predominant second level CGA-DIRT Root Cause as well):	Illist level CGA-Dil (1 1100t Cause and then, where available as a
- Root Cause Description:	T
- If One-Call Notification Practices Not Sufficient, specify:	
- If Locating Practices Not Sufficient, specify:	
 If Excavation Practices Not Sufficient, specify: 	
 If Other/None of the Above (explain), specify: 	
G4 - Other Outside Force Damage - only one sub-cause can be selected	from the shaded left-hand column
Other Outside Force Damage – Sub-Cause:	Other Outside Force Damage
- If Nearby Industrial, Man-made, or Other Fire/Explosion as Primary Caus	e of Incident:
MD b. Con Truck on Other Waterland Vettal Product ANOTE:	and in Eventation
- If Damage by Car, Truck, or Other Motorized Vehicle/Equipment NOT En	jageo in Excavation: T
Vehicle/Equipment operated by: Compared to the compare	A STATE OF
 If Damage by Boats, Barges, Drilling Rigs, or Other Maritime Equipment Mooring: 	
2. Select one or more of the following IF an extreme weather event was a factor	r:

- Hurricane	
~ Tropical Storm	
- Tornado	
- Heavy Rains/Flood	
- Other	
- If Other, Specify:	
- If Routine or Normal Fishing or Other Maritime Activity NOT Engaged in E	Excavation:
- If Electrical Arcing from Other Equipment or Facility:	
If Description Machanian Domago NOT Polated to Evacuation	
 If Previous Mechanical Damage NOT Related to Excavation: Complete the following ONLY IF the "Part of system involved in Incident" (from Part 	t C. Question 2) in Main. Service or Service Diser
Date of the most recent Leak Survey conducted:	T C, Question 2) is iviain, Service, or Service ruser.
Bate of the most recent Leak Survey Conducted. Has one or more pressure test been conducted since original construction.	
at the point of the Incident?	
- If Yes:	
Most recent year tested:	
Test pressure (psig):	
- If Intentional Damage:	
5. Specify:	T
5. Specify If Other, Specify:	
- If Other Outside Force Damage:	Examination of the DE natural and main found that the area
6. Describe:	Examination of the PE natural gas main found that, the area closest to the Louisville Water Company's leaking service had sustained severe exterior abrasions.
	This investigation has concluded that the abrasive and sandblasting power of the leaking water service line combined with the gravel, sand, and brick found in the utility trench eroded the exterior wall of the PE natural gas main causing the hole in the gas main.
G5 - Pipe, Weld, or Joint Failure - only one sub-cause can be selected fro	m the shaded left-hand column
Pipe, Weld or Joint Failure – Sub-Cause:	
- If Body of Pipe:	
1. Specify:	
- If Other, Describe:	
- If Butt Weld:	
2. Specify:	
- If Other, Describe:	
- If Fillet Weld:	
3. Specify:	
- If Other, Describe:	
- If Pipe Seam:	
4. Specify:	
- If Other, Describe:	
- If Threaded Metallic Pipe:	
- 11 Timedadea Metallic i Ipe.	
- If Mechanical Fitting:	1
Specify the mechanical fitting involved: Color Color	
- If Other, Describe:	
Specify the type of mechanical fitting:	
7. Manufacturer:	
8. Year manufactured:	
9. Year Installed:	
10. Other attributes:	
11. Specify the two materials being joined:	1
11a. First material being jointed:	
- Steel	
- Cast/Wrought Iron	
- Cash viologic iron	
- Ductile Iron	

- Plastic	
- Plastic - Unknown	
- Other	
- Officer - Officer - If Other, Specify:	
11b. If Plastic, specify:	
- If Other Plastic, specify:	
11c. Second material being joined:	
- Steel	
- Cast/Wrought Iron	
- Ductile Iron	
- Copper	
- Plastic	
- Unknown - Other	
- If Other, Specify:	
11d. If Plastic, specify:	
- If Other Plastic, Specify:	
12. If used on plastic pipe, did the fitting – as designed by the manufacturer –	
include restraint?	
12a. If Yes, specify:	
- If Compression Fitting:	
13. Fitting type:	
14. Manufacturer:	
15. Year manufactured:	
16. Year installed:	
Other attributes: Specify the two materials being joined:	
18a. First material being joined:	
- Steel	The second secon
- Cast/Wrought Iron	
- Ductile Iron	
- Copper	
- Plastic	
- Unknown	
- Other - If Other, specify:	
18b. If Plastic, specify.	1-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2
- If Other Plastic, specify:	
18c. Second material being joined:	
- Steel	
- Cast/Wrought Iron	
- Ductile Iron	
- Copper	
- Plastic	
- Unknown - Other	
- Other If Other, specify:	
18d. If Plastic, specify.	
- Other Plastic, specify:	
- If Fusion Joint:	
19. Specify:	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
- If Other, Specify:	
20. Year installed:	
21. Other attributes:	
22. Specify the two materials being joined:	
22a. First material being joined:	20 EVENT VI
- If Other, Specify. 22b. Second material being joined:	
- If Other, Specify:	
- If Other Pipe, Weld, or Joint Failure:	<u></u>
23. Describe:	
Complete the following if any Pipe, Weld, or Joint Failure sub-cause is select	ted.
24. Additional Factors (select all that apply): - Dent	
- Dent - Gouge	
- Pipe Bend	
- Arc Burn	
	d

- Crack	
- Lack of Fusion	
- Lamination	
- Buckle	
- Wrinkle - Misalignment	
- Burnt Steel	
- Other	
25. Was the Incident a result of:	
- Construction defect	
Specify.	
- Material defect	
Specify:	
- If Other, Specify:	
- Design defect	
- Previous damage	
26. Has one or more pressure test been conducted since original construction at the point of the Incident?	
- If Yes:	
Most recent year tested:	
Test pressure:	
G6 - Equipment Failure - only one sub-cause can be selected from the shad Equipment Failure - Sub-Cause:	led left-hand column
- If Malfunction of Control/Relief Equipment:	
1. Specify:	
- Control Valve	
- Instrumentation	
- SCADA	
- Communications	
- Block Valve	
- Check Valve - Relief Valve	
- Power Failure	
- Stopple/Control Fitting	
- Pressure Regulator	
- Other	
- If Other, Specify:	
- If Threaded Connection Failure:	
2. Specify:	
- If Other, Specify:	
- If Non-threaded Connection Failure:	
3. Specify:	
- If Other, Specify:	
- If Valve:	
4. Specify:	
- If Other, Specify:	
4a. Valve type:	
4b. Manufactured by:	
4c. Year manufactured:	
- If Other Equipment Failure:	
5. Describe:	
G7 - Incorrect Operation - only one sub-cause can be selected from the sha	aded left-hand column
Incorrect Operation Sub-Cause:	
- If Damage by Operator or Operator's Contractor NOT Related to Excavation	n and NOT due to Motorized Vehicle/Equipment Damage:
- If Valve Left or Placed in Wrong Position, but NOT Resulting in an Overpr	essure:
- If Pipeline or Equipment Overpressured:	
- If Equipment Not Installed Properly:	
- If Wrong Equipment Specified or Installed:	
- it triving Equipment opecined of installed.	

If "Other Incorrect Operation:		
- If "Other Incorrect Operation: 1. Describe:		
Complete the following if any Incorrect Operation sub-cause is selected.		
Was this Incident related to: (select all that apply)		
- Inadequate procedure		
- No procedure established		
- Failure to follow procedure		
- Other		
- If Other, Describe:		
What category type was the activity that caused the Incident:		
4. Was the task(s) that led to the Incident identified as a covered task in your Operator Qualification Program?		
4a. If Yes, were the individuals performing the task(s) qualified for the task(s)?		
G8 - Other Incident Cause - only one sub-cause can be selected from the s	shaded left-hand column	
Other Incident Cause - Sub-Cause:		
- If Miscellaneous:		
1. Describe:		
- If Unknown:		
2. Specify:		
PART H - NARRATIVE DESCRIPTION OF THE INCIDENT		
ANTIFICATION	AND THE PROPERTY OF THE PROPER	
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PART I - PREPARER AND AUTHORIZED SIGNATURE		
Preparer's Name	Jim Dimas	
Preparer's Title	Senior Corporate Attoney	
Preparer's Telephone Number	502-627-3712	
Preparer's E-mail Address	jim.dimas@lge-ku.com	
Preparer's Facsimile Number	502.627-3367	
Authorized Signature		
Authorize Signature's Name	Jim Dimas	
Authorized Signature's Title	Senior Corporate Attorney	
Authorized Cinestus Totaleses Number		
Authorized Signature Telephone Number	502-627-3712	
Authorized Signature's Email Address Date	502-627-3712 jim.dimas@lge-ku.com 01/15/2013	