### COMMONWEALTH OF KENTUCKY BEFORE THE PUBLIC SERVICE COMMISSION

# RECEIVED

AUG 28 2017 PUBLIC SERVICE COMMISSION

### IN THE MATTER OF:

CITY OF FLEMINGSBURG AND CITY OF)FLEMINGSBURG UTILITY SYSTEM)ALLEGED FAILURE TO COMPLY WITH)KRS 278.495 AND 49 CFR PART 192.605 (a);)49 CFR PART 192.721; 49 CFR PART 199.105:)AND 49 CFR 199.225)

CASE NO. 2017-00079

## SUPPLEMENT OF THE RECORD BY CITY OF FLEMINGSBURG

Comes the City of Flemingsburg and City of Flemingsburg Utility System, by and through counsel, and supplement the record with the Final/Supplemental PHMSA Report e-mailed by Superintendent Joe Dunaway on August 17, 2017. Also enclosed is the narrative. When Mr. Dunaway reviewed the Final/Supplemental PHMSA Report online, it showed the entire narrative. However, when he printed the report, it did not contain the entire narrative. Out of abundance of caution, the entire narrative is also attached.

MacDonald, Walton & Razor, PLLC By: Kimberly Leet Razor, Assistant City Attorney

### CERTIFICATE OF SERVICE

The undersigned hereby certifies that the foregoing document was filed with the Commission by mailing the original and ten copies to Talina R. Matthews, Executive Director, Public Service Commission, 211 Sower Boulevard, Frankfort, KY 40601, and to parties of record this day

of August, 2017.

Kimberly Leet Razor

NOTICE: This report is required by 49 CFR Part 191. Failure to report can result in a civil p 100,000 for each violation for each day that such violation persists except that the maximum exceed \$1,000,000 as provided in 49 USC 60122.	enalty not to exceed n civil penalty shall not	OMB NO: 2137-0522 EXPIRATION DATE: 10/31/2	017
2	Original Report Date:	02/19/201	6
U.S Department of Transportation	No.	20160017- 1	6622
Pipeline and Hazardous Materials Safety Administration		(DOT Use On	ly)
INCIDENT REPORT - GAS SYSTEM	DISTRIBUTION		
A federal agency may not conduct or sponsor, and a person is not required to respond to, n collection of information subject to the requirements of the Paperwork Reduction Act unless The OMB Control Number for this information collection is 2137-0522. All responses to this burden or any other aspect of this collection of information, including suggestions for reduci of Pipeline Safety (PHP-30) 1200 New Jersey Avenue, SE, Washington, D.C. 20590.	or shall a person be sub that collection of information collection of information ng the burden to: Information	ject to a penalty for failure to cor ation displays a current valid OM are mandatory. Send commen ation Collection Clearance Office	nply with a IB Control Number. ts regarding the er, PHMSA, Office
INSTRUCTIONS			
Important: Please read the separate instructions for completing this form before you begin you do not have a copy of the instructions, you can obtain one from the PHMSA Pipeline Sa http://www.phmsa.dot.gov/pipeline/library/forms.	. They clarify the inform afety Community Web Pa	ation requested and provide spe age at	cific examples. If
PART A - KEY REPORT INFORMATION			
Report Type: (select all that apply)	Original:	Supplemental:	Final:
Last Povicion Data	08/18/2017	Yes	
1. Operator's OPS-issued Operator Identification Number (OPID):	5230		
2. Name of Operator	FLEMINGSBURG	UTILITIES SYSTEM	
3. Address of Operator:		ATDEET	- In the second s
3a. Street Address	116 MAIN CROSS	STREET	· · · · · · · · · · · · · · · · · · ·
3c. State	Kentucky	an a	
3d. Zip Code	41041	and the second	
4. Local time (24-hr clock) and date of the Incident:	01/28/2016 12:42		
5. Location of Incident:			
5a. Street Address or location description	5040 Main Street		
50. City 5c. County or Parish	Mason		
5d. State:	Kentucky		and the second
5e. Zip Code:	41055-0000		
5f. Latitude:	38.51881		
Longitude:	-83.84138		
<ol> <li>National Response Center Report Number:</li> <li>A possible time (24 br clock) and date of initial telephonic report to the National</li> </ol>	1139171		
Response Center:	01/20/2010 14.43		
8. Incident resulted from:	Unintentional relea	se of gas	
9. Gas released:	Natural Gas		
- Other Gas Released Name:	5 000		
10. Estimated volume of gas released - Thousand Cubic Feet (MCF):	5.000		
- 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			
12 Were there injuries requiring inpatient hospitalization?	Yes		
- If Yes, specify the number in each category:	1.00		
12a. Operator employees	1		
12b. Contractor employees working for the Operator	0		
12c. Non-Operator emergency responders 12d. Workers working on the right-of-way, but NOT	0		
associated with this Operator	0		
12e. General public 12f. Total injuries (sum of above)	1		
13. Was the pipeline/facility shut down due to the incident?	Yes		
- If No, Explain:			
- If Yes, complete Questions 13a and 13b: (use local time, 24-hr clock)			

3

13a. Local time and date of shutdown:	01/30/2016 08:00
13b Local time pipeline/facility restarted:	01/30/2016 12:00
201 bet discover and a province of the provinc	
- Still shut down? ("Supplemental Report Required)	[
14. Did the gas ignite?	Yes
15 Did the gas explode?	No
16 Number of appared nublic oversucted:	0
10. Number of general public evacuated.	
17. Time sequence (use local time, 24-hour clock):	
17a, Local time operator identified Incident - effective 10-2014, "Incident"	01/28/2016 03:00
changed to "failure"	
d7b 1 col time acceptor recourses arrived on cite	01/20/2016 09:20
The Eocar time operator resources anived on site.	
PART B - ADDITIONAL LOCATION INFORMATION	
1 Was the Incident on Federal land?	No
1. Was the includent of the correlation :	Likika Disht of way / Ecompost
2. Location of incloent	Oundy Right-of-way / Easement
3. Area of Incident:	Underground
Specify:	Exposed due to excavation
If Other Describe:	
ii Otiei, Descibe.	
Depth of Cover:	36
4. Did Incident occur in a crossing?	No
If Voc. specify type below:	·····
- ii res, specily type below.	· · · · · · · · · · · · · · · · · · ·
<ul> <li>If Bridge crossing –</li> </ul>	
Cased/ Uncased:	
- It Kallroad crossing -	
Cased/ Uncased/ Bored/drilled	1
If Dood proceing	· · · · · · · · · · · · · · · · · · ·
Cased/ Uncased/ Bored/drilled	
- If Water crossing -	
Name of body of water (If commonly known):	
Approx. water depth (ft):	
PP PP	
PART C - ADDITIONAL FACILITY INFORMATION	
1. Indicate the type of pipeline system:	Municipally Owned
- If Other specify	
- il Oulei, specily.	K#_1_
1.2 Part of system involved in Incident:	I Main
- If Other, specify:	
- If Other, specify:	1996
- If Other, specify:     2a. Year "Part of system involved in Incident" was installed:     2a. When "Main" of System involved in Incident" was installed:	1996
- If Other, specify:     2a. Year "Part of system involved in Incident" was installed:     3. When "Main" or "Service" is selected as the "Part of system involved in Incide	1996 nt" (from PART C, Question 2), provide the following:
- If Other, specify:     2a. Year "Part of system involved in Incident" was installed:     3. When "Main" or "Service" is selected as the "Part of system involved in Incide     3a. Nominal diameter of pipe (in):	1996 nt" (from PART C, Question 2), provide the following: 4
- If Other, specify:     2a. Year "Part of system involved in Incident" was installed:     3. When "Main" or "Service" is selected as the "Part of system involved in Incide     3a. Nominal diameter of pipe (in):     3b. Pipe specification (e.g., API 5I, ASTM D2513);	1996 nt" (from PART C, Question 2), provide the following: 4 ASTM D2513
- If Other, specify: 2a. Year "Part of system involved in Incident" was installed: 3. When "Main" or "Service" is selected as the "Part of system involved in Incide 3a. Nominal diameter of pipe (in): 3b. Pipe specification (e.g., API 5L, ASTM D2513):	1996 nt" (from PART C, Question 2), provide the following: 4 ASTM D2513
- If Other, specify:	1996 nt" (from PART C, Question 2), provide the following: 4 ASTM D2513 Ameriflow
- If Other, specify:	1996 nt" (from PART C, Question 2), provide the following: 4 ASTM D2513 Ameriflow Unknown
- If Other, specify:	1996 nt" (from PART C, Question 2), provide the following: 4 ASTM D2513 Ameriflow Unknown Plastic
- If Other, specify:	1996 nt" (from PART C, Question 2), provide the following: 4 ASTM D2513 Ameriflow Unknown Plastic
- If Other, specify:     2a. Year "Part of system involved in Incident" was installed:     3. When "Main" or "Service" is selected as the "Part of system involved in Incide     3a. Nominal diameter of pipe (in):     3b. Pipe specification (e.g., API 5L, ASTM D2513):     3c. Pipe manufacturer:     3d. Year of manufacture:     4. Material involved in Incident:	1996 nt" (from PART C, Question 2), provide the following: 4 ASTM D2513 Ameriflow Unknown Plastic
- If Other, specify:	1996 nt" (from PART C, Question 2), provide the following: 4 ASTM D2513 Ameriflow Unknown Plastic
- If Other, specify:	1996 nt" (from PART C, Question 2), provide the following: 4 ASTM D2513 Ameriflow Unknown Plastic
- If Other, specify:	1996 nt" (from PART C, Question 2), provide the following: 4 ASTM D2513 Ameriflow Unknown Plastic
- If Other, specify:	1996 nt" (from PART C, Question 2), provide the following: 4 ASTM D2513 Ameriflow Unknown Plastic
- If Other, specify:	1996 nt" (from PART C, Question 2), provide the following: 4 ASTM D2513 Ameriflow Unknown Plastic Polyethylene (PE)
- If Other, specify:	1996 nt" (from PART C, Question 2), provide the following: 4 ASTM D2513 Ameriflow Unknown Plastic Polyethylene (PE)
- If Other, specify:	1996 nt" (from PART C, Question 2), provide the following: 4 ASTM D2513 Ameriflow Unknown Plastic Polyethylene (PE)
- If Other, specify:	1996 nt" (from PART C, Question 2), provide the following: 4 ASTM D2513 Ameriflow Unknown Plastic Polyethylene (PE)
- If Other, specify:	1996 nt" (from PART C, Question 2), provide the following: 4 ASTM D2513 Ameriflow Unknown Plastic Polyethylene (PE) 
- If Other, specify:	1996 nt" (from PART C, Question 2), provide the following: 4 ASTM D2513 Ameriflow Unknown Plastic Polyethylene (PE)
- If Other, specify: 2a. Year "Part of system involved in Incident" was installed: 3. When "Main" or "Service" is selected as the "Part of system involved in Incide 3a. Nominal diameter of pipe (in): 3b. Pipe specification (e.g., API 5L, ASTM D2513): 3c. Pipe manufacturer: 3d. Year of manufacture: 4. Material involved in Incident: - If Other, specify: 4a. If Steel, Specify seam type: - If Other, specify: 4b. If Steel, Specify wall thickness (inches): 4c. If Plastic, Specify type: - If Other, describe: 4d. If Plastic, Specify Standard Dimension Ratio (SDR): - Or wall thickness: 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)	1996 nt" (from PART C, Question 2), provide the following: 4 ASTM D2513 Ameriflow Unknown Plastic Polyethylene (PE) 
- If Other, specify: <ul> <li>2a. Year "Part of system involved in Incident" was installed:</li> <li>3. When "Main" or "Service" is selected as the "Part of system involved in Incide</li> <li>3a. Nominal diameter of pipe (in):</li></ul>	1996 nt" (from PART C, Question 2), provide the following: 4 ASTM D2513 Ameriflow Unknown Plastic Polyethylene (PE) 
- If Other, specify: 2a. Year "Part of system involved in Incident" was installed: 3. When "Main" or "Service" is selected as the "Part of system involved in Incide 3a. Nominal diameter of pipe (in): 3b. Pipe specification (e.g., API 5L, ASTM D2513): 3c. Pipe manufacturer: 3d. Year of manufacture: 4. Material involved in Incident: - If Other, specify: 4a. If Steel, Specify seam type: - If Other, specify: 4b. If Steel, Specify wall thickness (inches): 4c. If Plastic, Specify type: - If Other, describe: 4d. If Plastic, Specify Standard Dimension Ratio (SDR): - Specify PE Pipe Material Designation Code (i.e. 2406, 3408, etc.)	1996         nt" (from PART C, Question 2), provide the following:         4         ASTM D2513         Ameriflow         Unknown         Plastic         Polyethylene (PE)         .438         estion 4.c:         2406
- If Other, specify: 2a. Year "Part of system involved in Incident" was installed: 3. When "Main" or "Service" is selected as the "Part of system involved in Incide 3a. Nominal diameter of pipe (in): 3b. Pipe specification (e.g., API 5L, ASTM D2513): 3c. Pipe manufacturer: 3d. Year of manufacture: 4. Material involved in Incident: - If Other, specify: 4a. If Steel, Specify seam type: - If Other, specify: 4b. If Steel, Specify wall thickness (inches): 4c. If Plastic, Specify type: - If Other, describe: 4d. If Plastic, Specify Standard Dimension Ratio (SDR): - If Other, advection: - Specify PE Pipe Material Designation Code (i.e. 2406, 3408, etc.) - Unknown?	1996         nt" (from PART C, Question 2), provide the following:         4         ASTM D2513         Ameriflow         Unknown         Plastic         Polyethylene (PE)         .438         estion 4.c;         2406
- If Other, specify: <ul> <li>2a. Year "Part of system involved in Incident" was installed:</li> <li>3. When "Main" or "Service" is selected as the "Part of system involved in Incide</li> <li>3a. Nominal diameter of pipe (in):</li></ul>	1996 nt" (from PART C, Question 2), provide the following: 4 ASTM D2513 Ameriflow Unknown Plastic Polyethylene (PE) .438 estion 4.c: 2406 Leak
- If Other, specify: <ul> <li>2a. Year "Part of system involved in Incident" was installed:</li> <li>3. When "Main" or "Service" is selected as the "Part of system involved in Incide</li> <li>3a. Nominal diameter of pipe (in):</li></ul>	1996 nt" (from PART C, Question 2), provide the following: 4 ASTM D2513 Ameriflow Unknown Plastic Polyethylene (PE) 438 estion 4.c; 2406 Leak
- If Other, specify: 2a. Year "Part of system involved in Incident" was installed: 3. When "Main" or "Service" is selected as the "Part of system involved in Incide 3a. Nominal diameter of pipe (in): 3b. Pipe specification (e.g., API 5L, ASTM D2513): 3c. Pipe manufacturer: 3d. Year of manufacture: 4. Material involved in Incident: - If Other, specify: 4a. If Steel, Specify seam type: - If Other, specify: 4b. If Steel, Specify wall thickness (inches): 4c. If Plastic, Specify type: - If Other, describe: 4d. If Plastic, Specify Standard Dimension Ratio (SDR): - Or wall thickness: 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:	1996         nt" (from PART C, Question 2), provide the following:         4         ASTM D2513         Ameriflow         Unknown         Plastic         Polyethylene (PE)         .438         estion 4.c:         2406
- If Other, specify: 2a. Year "Part of system involved in Incident" was installed: 3. When "Main" or "Service" is selected as the "Part of system involved in Incide 3a. Nominal diameter of pipe (in): 3b. Pipe specification (e.g., API 5L, ASTM D2513): 3c. Pipe manufacturer: 3d. Year of manufacture: 4. Material involved in Incident: - If Other, specify: 4a. If Steel, Specify seam type: None/Unknown? 4b. If Steel, Specify wall thickness (inches): 4c. If Plastic, Specify type: - If Other, describe: 4d. If Plastic, Specify Standard Dimension Ratio (SDR): - Or wall thickness: 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: - If Mechanical Puncture - Specify Approx size:	1996         nt" (from PART C, Question 2), provide the following:         4         ASTM D2513         Ameriflow         Unknown         Plastic         Polyethylene (PE)         .438         estion 4.c:         2406
- If Other, specify: 2a. Year "Part of system involved in Incident" was installed: 3. When "Main" or "Service" is selected as the "Part of system involved in Incide 3a. Nominal diameter of pipe (in): 3b. Pipe specification (e.g., API 5L, ASTM D2513): 3c. Pipe manufacturer: 3d. Year of manufacture: 4. Material involved in Incident: - If Other, specify: 4a. If Steel, Specify seam type: - If Other, specify: 4b. If Steel, Specify wall thickness (inches): 4c. If Plastic, Specify type: - If Other, describe: 4d. If Plastic, Specify Standard Dimension Ratio (SDR): - If Other, describe: 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: - If Mechanical Puncture - Specify Approx size: - If Mechanical Puncture - Specify Approx size: - If Other, datal): in. (circumferential):	1996         nt" (from PART C, Question 2), provide the following:         4         ASTM D2513         Ameriflow         Unknown         Plastic         Polyethylene (PE)         .438         estion 4.c:         2406
- If Other, specify: 2a. Year "Part of system involved in Incident" was installed: 3. When "Main" or "Service" is selected as the "Part of system involved in Incide 3a. Nominal diameter of pipe (in): 3b. Pipe specification (e.g., API 5L, ASTM D2513): 3c. Pipe manufacturer: 3d. Year of manufacture: 4. Material involved in Incident: - If Other, specify: 4a. If Steel, Specify seam type: - If Other, specify: 4c. If Plastic, Specify wall thickness (inches): 4c. If Plastic, Specify type: - If Other, describe: 4d. If Plastic, Specify Standard Dimension Ratio (SDR): - Specify PE Pipe Material Designation Code (i.e. 2406, 3408, etc.) - If Mechanical Puncture - Specify Approx size: - If Mechanical Puncture - Specify Approx size: - If Leak - Select Type:	1996         nt" (from PART C, Question 2), provide the following:         4         ASTM D2513         Ameriflow         Unknown         Plastic         Polyethylene (PE)         .438         estion 4.c:         2406         Leak         Seal or Packing
- If Other, specify: 2a. Year "Part of system involved in Incident" was installed: 3. When "Main" or "Service" is selected as the "Part of system involved in Incide 3a. Nominal diameter of pipe (in): 3b. Pipe specification (e.g., API 5L, ASTM D2513): 3c. Pipe manufacturer: 3d. Year of manufacture: 4. Material involved in Incident: - If Other, specify: 4a. If Steel, Specify seam type: - If Other, specify: 4b. If Steel, Specify wall thickness (inches): 4c. If Plastic, Specify type: - If Other, describe: 4d. If Plastic, Specify Standard Dimension Ratio (SDR): - Or wall thickness: 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.) - If Mechanical Puncture - Specify Approx size: - If Mechanical Puncture - Specify Approx size: - If Other, Describe: - If Other, Describe: - If Other, Describe: - If Other, Specify Approx size: - If Other, Specify Cother, Specify Approx size: - If Other, Specify PE Pipe: - If Other, Specify Approx size: - If Mechanical Puncture - Specify Approx size: - If Mechanical Puncture - Specify Approx size: - If Other, Describe: - If Other, Describe: - If Other, Specify PE Pipe: - If Other, Specify Approx size: - If Other, Specify Approx size: - If Other, Specify PE Pipe: - If Other, Specify Approx size: - If Other, Specify Approx size: - If Other, Specify PE Pipe: - If Other, Describe: - If Other, Describ	1996         nt" (from PART C, Question 2), provide the following:         4         ASTM D2513         Ameriflow         Unknown         Plastic         Polyethylene (PE)         .438         estion 4.c;         2406         Leak         Seal or Packing
- If Other, specify: 2a. Year "Part of system involved in Incident" was installed: 3. When "Main" or "Service" is selected as the "Part of system involved in Incide 3a. Nominal diameter of pipe (in): 3b. Pipe specification (e.g., API 5L, ASTM D2513): 3c. Pipe manufacturer: 3d. Year of manufacture: 4. Material involved in Incident: - If Other, specify: 4a. If Steel, Specify seam type: - If Other, specify: 4b. If Steel, Specify wall thickness (inches): 4c. If Plastic, Specify type: - If Other, describe: 4d. If Plastic, Specify Standard Dimension Ratio (SDR): - If Other, describe: 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.) - If Mechanical Puncture - Specify Approx size: - If Other, Describe: - If Other, Describe:	1996 nt" (from PART C, Question 2), provide the following: 4 ASTM D2513 Ameriflow Unknown Plastic Polyethylene (PE) .438 astion 4.c: 2406 Leak Seal or Packing
- If Other, specify: 2a. Year "Part of system involved in Incident" was installed: 3. When "Main" or "Service" is selected as the "Part of system involved in Incide 3a. Nominal diameter of pipe (in): 3b. Pipe specification (e.g., API 5L, ASTM D2513): 3c. Pipe manufacturer: 3d. Year of manufacture: 4. Material involved in Incident: - If Other, specify: 4a. If Steel, Specify seam type: - If Other, specify: 4c. If Plastic, Specify type: - If Other, describe: 4d. If Plastic, Specify Standard Dimension Ratio (SDR): - If Other, describe: 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.) - If Mechanical Puncture - Specify Approx size: - If Mechanical Puncture - Specify Approx size: - If Other, Describe: - If Other, Describe: - If Other, Specify: - If Other, specify: - If Other, specify: - If Other, describe: - If Mechanical Puncture - Specify Approx size: - If Other, cescribe: - If Other, specify: - If Other, Describe: - If Other, Describe: - If Nether, Specify: - If Other, Describe: - If Nether, Specify: - If Other, Describe: - If Nether, Specify: - If Nether, Specify: - If Other, Describe: - If Nether, Specify: - If Nether, Specify: - If Other, Describe: - If Nether, Specify: - Nether, Specify: - Neth	1996         nt" (from PART C, Question 2), provide the following:         4         ASTM D2513         Ameriflow         Unknown         Plastic         Polyethylene (PE)         .438         estion 4.c:         2406         Leak         Seal or Packing
- If Other, specify: 2a. Year "Part of system involved in Incident" was installed: 3. When "Main" or "Service" is selected as the "Part of system involved in Incide 3a. Nominal diameter of pipe (in): 3b. Pipe specification (e.g., API 5L, ASTM D2513): 3c. Pipe manufacturer: 3d. Year of manufacture: 4. Material involved in Incident: - If Other, specify: 4a. If Steel, Specify seam type: - If Other, specify: 4b. If Steel, Specify wall thickness (inches): 4c. If Plastic, Specify type: - If Other, describe: 4d. If Plastic, Specify Standard Dimension Ratio (SDR): - Or wall thickness: 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: - If Mechanical Puncture - Specify Approx size: - If Other, Describe: - If Other, Describe:	1996         nt" (from PART C, Question 2), provide the following:         4         ASTM D2513         Ameriflow         Unknown         Plastic         Polyethylene (PE)         .438         estion 4.c:         2406         Seal or Packing
- If Other, specify: 2a. Year "Part of system involved in Incident" was installed: 3. When "Main" or "Service" is selected as the "Part of system involved in Incide 3a. Nominal diameter of pipe (in): 3b. Pipe specification (e.g., API 5L, ASTM D2513): 3c. Pipe manufacturer: 3d. Year of manufacture: 4. Material involved in Incident: - If Other, specify: 4a. If Steel, Specify seam type: - If Other, specify: 4b. If Steel, Specify wall thickness (inches): 4c. If Plastic, Specify type: - If Other, describe: 4d. If Plastic, Specify Standard Dimension Ratio (SDR): - Or wall thickness: 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: - If Mechanical Puncture - Specify Approx size: - If Other, Describe: - If Other, Describe:	1996         nt" (from PART C, Question 2), provide the following:         4         ASTM D2513         Ameriflow         Unknown         Plastic         Polyethylene (PE)         .438         astion 4.c:         2406         Seal or Packing
- If Other, specify: 2a. Year "Part of system involved in Incident" was installed: 3. When "Main" or "Service" is selected as the "Part of system involved in Incide 3a. Nominal diameter of pipe (in): 3b. Pipe specification (e.g., API 5L, ASTM D2513): 3c. Pipe manufacturer: 3d. Year of manufacture: 4. Material involved in Incident: - If Other, specify: 4a. If Steel, Specify seam type: - If Other, specify: 4a. If Steel, Specify seam type: - If Other, describe: 4b. If Steel, Specify wall thickness (inches): 4c. If Plastic, Specify type: - If Other, describe: 4d. If Plastic, Specify Standard Dimension Ratio (SDR): - Or wall thickness: 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.) - If Mechanical Puncture - Specify Approx size: - If Mechanical Puncture - Specify Approx size: - If Other, Describe: - Other, Describe: - If Other, Describe: - If Other, Describe: - If Other, Describe: - If Other, Describe: - Other, Describe: - Other, Describe: - Other, Describe: - If Other, Describe: - If Other, Describe: - If Other, Describe: - If Other, Describe: - Other,	1996 nt" (from PART C, Question 2), provide the following: 4 ASTM D2513 Ameriflow Unknown Plastic Polyethylene (PE) 438 estion 4.c: 2406 Leak Seal or Packing
- If Other, specify: 2a. Year "Part of system involved in Incident" was installed: 3. When "Main" or "Service" is selected as the "Part of system involved in Incide 3a. Nominal diameter of pipe (in): 3b. Pipe specification (e.g., API 5L, ASTM D2513): 3c. Pipe manufacturer: 3d. Year of manufacture: 4. Material involved in Incident: - If Other, specify: 4a. If Steel, Specify seam type: - If Other, specify: 4a. If Steel, Specify seam type: - If Other, describe: 4c. If Plastic, Specify type: - If Other, describe: 4d. If Plastic, Specify Standard Dimension Ratio (SDR): - If Other, describe: 4d. If Plastic, Specify Standard Dimension Ratio (SDR): - Specify PE Pipe Material Designation Code (i.e. 2406, 3408, etc.) - If Mechanical Puncture - Specify Approx size: - If Mechanical Puncture - Specify Approx size: - If Other, Describe: - If Other, Des	1996         nt" (from PART C, Question 2), provide the following:         4         ASTM D2513         Ameriflow         Unknown         Plastic         Polyethylene (PE)         .438         estion 4.c:         2406         Leak

• تر

,

PART D - ADDITIONAL CONSEQUENCE INFORMATION	
1. Class Location of Incident :	Class 2 Location
2. Estimated Property Damage :	
2a. Estimated cost of public and non-Operator private	\$0
property damage paid/reimbursed by the Operator – effective 6-2011,	
"paid/reimbursed by the Operator" removed	
Estimated cost of gas released - effective 6-2011 moved to item 2f	
2b. Estimated cost of Operator's property damage & repairs	\$0
20. Estimated cost of Operator's emergency response	\$ 500
2d. Estimated other costs	\$0
- Describe:	
20 Property damage subtotal (sum of above)	\$ 500
Cost of Gas Released	
2f. Estimated cost of gas released	\$ 20
Total of all costs	\$ 520
3. Estimated number of customers out of service:	
3a. Commercial entities	0
3b. Industrial entities	0
3c Residences	0
PART E - ADDITIONAL OPERATING INFORMATION	
1. Estimated pressure at the point and time of the Incident (psig):	28.00
<ol> <li>Normal operating pressure at the point and time of the incident (psig);</li> </ol>	28.00
3 Maximum Allowable Operating Pressure (MAOP) at the point and time of	60.00
the Incident (nsig):	
A Describe the pressure on the system relating to the Incident:	Pressure did not exceed MAOP
5. Mas a Supervisory Control and Data Acquisition (SCADA) based system in	No
blace on the nineline or facility involved in the Incident?	
If Voe	· · · · · · · · · · · · · · · · · · ·
- II Tes.	· · · · · · · · · · · · · · · · · · ·
5a. was it operating at the time of the Incident?	<u> </u>
50. Was it fully functional at the time of the incident?	
event(s), and/or volume or pack calculations) assist with the detection of the incident?	
5d. Did SCADA-based information (such as alarm(s), alert(s), event(s), and/or volume calculations) assist with the confirmation of	
the Incident?	
6. How was the Incident initially identified for the Operator?	Notification from Emergency Responder
- If Other, Specify:	
6a If "Controller" "Local Operating Personnel, including	
contractors" "Air Patrol" or "Ground Patrol by Onerator or its	
contractor" is selected in Question 6, specify	
7 Was an investigation initiated into whether or not the controller(s) or control	No, the facility was not monitored by a controller(s) at the time
room issues were the cause of or a contributing factor to the Incident?	of the Incident
- 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 Ves 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	
associated with langue	
- Investigation did NOT review work schedule rotations, continuous	
nours of service (while working for the Operator), and other factors	
Dravide on evolution for why not	· · · · · · · · · · · · · · · · · · ·
- Provide an explanation for why hot.	
Investigation identified no control room issues	· · · · · · · · · · · · · · · · · · ·
- Investigation identified no controller issues	
- investigation identified incorrect controller action or controller error	·····
- Investigation identified that fatigue may have affected the	
controller(s) involved or impacted the involved controller(s) response	
Investigation identified incorrect procedures	
<ul> <li>Investigation identified incorrect control room equipment operation</li> </ul>	
<ul> <li>Investigation identified maintenance activities that affected control</li> </ul>	
room operations, procedures, and/or controller response	······
Investigation identified areas other than those above	·····
Describe:	

ş .

,

	· · · · · · · · · · · · · · · · · · ·
PART F - DRUG & ALCOHOL TESTING INFORMATION	
1 As a result of this Incident were any Onerator omnlowees tested under the	No
nost-accident drug and alcohol testing requirements of DOT's Drug & Alcohol	146
Testing regulations?	
- If Yes:	
1a. How many were tested:	
1b. How many failed:	
	A1-
<ol> <li>As a result of this incident, were any Operator contractor employees tested under the post-accident drug and alcohol testing requirements of DOT's Drug &amp; Alcohol Testing regulations?</li> </ol>	NO
- If Yes:	
2a. How many were tested:	
2b. How many failed:	
PART G - CAUSE INFORMATION	······································
	nevent Course of the Incident, and annuar the questions on the
right. Describe secondary, contributing, or root causes of the Incident in the nan	parent Cause of the incident, and answer the questions on the rative (PART H).
Apparent Cause:	G7 - Incorrect Operation
G1 - Corrosion Failure - only one sub-cause can be picked from shaded le	eft-hand column
Corrosion Failure Sub-Cause:	
- If External Corrosion:	· · · · · · · · · · · · · · · · · · ·
1. Results of visual examination:	
- If Other, Specify:	
2. Type of corrosion:	
- Galvanic	
- Atmospheric	
- Stray Current	
- Microbiological	
- Selective Seam	
- Other	
- If Other, Describe:	
3. The type(s) of corrosion selected in Question 2 is based on the following:	
- Field examination	
Determined by metallurgical analysis	
- Other	
- If Other, Describe:	
4. 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:	
7. Results of visual examination:	
- 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: (s	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 to Question 2) is Main, Service, or Service Riser.	e "Part of system involved in incident" (from PART C,
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:	
G2 - Natural Force Damage - only one sub-cause can be picked from sha	ded left-handed column
Natural Force Damage – Sub-Cause:	· · · · · · · · · · · · · · · · · · ·
<ul> <li>If Earth Movement, NOT due to Heavy Rains/Floods:</li> </ul>	
1. Specify:	
- If Other, Specify:	
- If Heavy Rains/Floods:	
2 Specifir	l
- If Other Snecify	
- If Lightning:	r
3. Specify:	L
- If Temperature:	
4. Specify:	
- If Other, Specify:	
- If Other Natural Force Damage:	
5. Describe:	
Complete the following if any Natural Force Damage sub-cause is selected.	
6 Mere the natural forces causing the Incident generated in conjunction with	
an extreme weather event?	
6 a If Yes specify (select all that apply)	/ <u></u>
- Hurricane	· · · · · · · · · · · · · · · · · · ·
- Tropical Storm	·····
- Tornado	
- Other	
- If Other. Specify:	
G3 Excavation Damage only one sub-cause can be picked from shade	d left-hand column
Excavation Damage Sub-Cause:	
- If Previous Damage due to Excavation Activity: Complete the following C	NLY IF the "Part of system involved in Incident" (from Part C.
Question 2) is Main, Service, or Service Riser.	· · · · · · · · · · · · · · · · · · ·
<ol> <li>Has one or more pressure test been conducted since original construction at the point of the Incident?</li> </ol>	
- If Yes:	
Most recent year tested:	
Test pressure:	
Complete the following if Excavation Damage by Third Party is selected.	
3 Did the operator get prior notification of the excavation activity?	·····
3a. If Yes, Notification received from: (select all that apply):	L
- One-Call System	

÷ •

- Excavator	
- Contractor	
- Landowner	
Complete the following mandatory CGA-DIRT Program questions if any Exca	vation Damage sub-cause is selected.
4. Do you want PHMSA to upload the following information to CGA-DIRT (	
5. Right-of-Way where event occurred (select all that apply);	
- Public	
- If Public, Specify:	
- Private	
- If Private, Specify:	
- Pipeline Property/Easement	
- Power/Transmission Line	
- Railroad	
- Dedicated Public Utility Easement	· · · · · · · · · · · · · · · · · · ·
- Federal Land	
- Data hot collected	· · · · · · · · · · · · · · · · · · ·
6 Type of excavator	
7 Type of excavation equipment	· · · · · · · · · · · · · · · · · · ·
8 Type of work performed :	
9. 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 i	irst level CGA-DIRT Root Cause and then, where available as a
choice, the one predominant second level CGA-DIRT Root Cause as well).	
- Root Cause Description:	
- II One-Call Notification Practices Not Sufficient, specify.	
- If Excavation Practices Not Sufficient specify	
- If Other/None of the Above, explain:	· · · · · · · · · · · · · · · · · · ·
G4 - Other Outside Force Damage - only one sub-cause can be selected	from the shaded left-hand column
Other Outside Force Damage - Sub-Cause:	
- If Damage by Car, Truck, or Other Motorized Vehicle/Equipment NOT Eng	aged in Excavation:
1. Vehicle/Equipment operated by:	
If Damage by Boats, Barges, Drilling Rigs, or Other Maritime Equipment of Comparison of Compariso	or Vessels Set Adrift or Which Have Otherwise Lost Their
Mooring:	
2. Select one or more of the following IF an extreme weather event was a factor:	· · · · · · · · · · · · · · · · · · ·
- Humcane	
- Torpado	
- Heavy Rains/Flood	······································
- Other	
- If Other, Specify:	
- If Previous Mechanical Damage NOT Related to Excavation: Complete the	following ONLY IF the "Part of system involved in Incident" (from
Part C. Question 2) is Main. Service or Service Riser	
3 Date of the most recent Leak Survey conducted:	
4. 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):	<u></u>
- If Intentional Damage:	
5. Specify:	
- If Other, Specify:	l
- If Other Outside Force Damage:	
6. Describe:	

G5 - Pipe, Weld, or Joint Failure - only one sub-cause can be selected from	n 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. Specity: - If Other Describe:	· · · · · · · · · · · · · · · · · · ·
- If Fillet Weld:	
3. Specify:	
- If Other, Describe:	
- If Pipe Seam:	
4. Specify:	
- If Other, Describe:	· · · · · · · · · · · · · · · · · · ·
- If Mechanical Fitting:	
5. Specily the mechanical litting involved:	· · · · · · · · · · · · · · · · · · ·
6. Specify the type of mechanical fitting:	
- If Other, Describe:	
7. Manufacturer:	
8. Year manufactured:	
9. Year Installed:	
11. Specify the two materials being joined:	
11a. First material being joined:	
- If Other, Specify:	
11b. If Plastic, specify:	
- II Other Plasuc, specity.	
- If Other, Specify:	
11d. If Plastic, specify:	
- If Other Plastic, Specify:	
<ol> <li>If used on plastic pipe, did the fitting – as designed by the manufacturer – include protection</li> </ol>	
12a If Yes specify	
- If Compression Fitting:	
13. Fitting type:	
14. Manufacturer:	
15. Year manufactured:	
16. Year installed:	
17. Other attributes: 18. Specify the two materials being joined:	
18a. First material being joined:	
- If Other, specify:	
18b. If Plastic, specify:	
- If Other Plastic, specify:	
If Other specify	
18d. If Plastic, specify:	
- Other Plastic, specify:	
- If Fusion Joint:	
19. Specify:	
- If Other, Specify:	······································
20. rear installed. 21. Other attributes:	
22. Specify the two materials being joined:	
22a. First material being joined:	· · · · · · · · · · · · · · · · · · ·
- If Other, Specify:	
22b. Second material being joined:	· · · · · · · · · · · · · · · · · · ·
- II Other, Specify:	
- ir other ripe, weid, or joint railure:	

.

•

.

Page 7 of 10

Complete the following if any Pipe, Weld, or Joint Failure sub-cause is select	ed.
24. Additional Factors (select all that apply):	
- Dent	
- Gouge	
- Arc Burn	
- Grack	
- Lack of Fusion	
- Buckle	
- Wrinkle	
- Misalignment	
- Burnt Steel	
- Other	
- If Other, Specify:	· · · · · · · · · · · · · · · · · · ·
25. Was the incident a result of:	· · · · · · · · · · · · · · · · · · ·
Specify	
- Material defect	
Specify:	
- If Other, Specify:	
- Design defect	
- Previous damage	
26. Has one or more pressure test been conducted since original construction	
- II Tes.	
Test pressure:	
G6 - Equipment Failure - only one sub-cause can be selected from the shad	led left-hand column
Equipment Failure – Sub-Cause:	
If Malfauration of Control ID-II of Empirements	······································
If wanunction of Control/Relief Equipment:	· · · · · · · · · · · · · · · · · · ·
- Control Valve	
- Instrumentation	
- SCADA	
- Communications	
- Block Valve	
- Check Valve	
- Relief Valve	
- Power Failure	······································
- Stopple/Control Fitting	
- 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:	Other Incorrect Operation
- If Other Incorrect Operation:	
1. Describe:	Electrical arcing caused by operator while using a electrical

· · .

.

	powered tool to tighten up the bolts while gas was leaking to the atmosphere.
Complete the following if any Incorrect Operation sub-cause is selected.	
2. Was this incident related to: (select all that apply)	······································
- Inadequate procedure	
- No procedure established	
- Failure to follow procedure	Yes
- Other	
- If Other, Describe:	
3. What category type was the activity that caused the Incident:	Non-routine operating conditions (abnormal operations or emergencies)
4. Was the task(s) that led to the Incident identified as a covered task in your Operator Qualification Program?	Yes
4a. If Yes, were the individuals performing the task(s) qualified for the task(s)?	Yes, they were qualified for the task(s)
G8 - Other Incident Cause - only one sub-cause can be selected from the	shaded left-hand column
Other Incident Cause Sub-Cause:	
- If Miscellaneous:	
1. Describe:	
- If Unknown:	
2. Specify:	
PART H - NARRATIVE DESCRIPTION OF THE INCIDENT	
Received an odor complaint on January 28th 2016 at 3AM from Mason had reported the smell of natural gas at or near 5040 Main Street Mays employees Danny Shrout and Colby McCloud responded they made the no threat to loss of life or any structure would occur and it should be fixe	County Kentucky Emergency Dispatch that a customer lick Kentucky. After two City of Flemingsburg natural gas e determination that the leak was not an emergency and ed when it became daylight that same day. At

approximately 8AM on January 28th 2016 three different City of Flemingsburg natural gas employees Coty Hunt, Mike Brown and Scotty Masters was assigned to dig out and repair the leak at or near 5040 Main Street Mayslick Kentucky, the said three

employees arrived on the job site of the leak at approximately 9AM. The leak was pinpointed by a natural gas leak detector above ground and then excavating was started, once the four inch main was located and had been exposed it was discovered that a one inch service line saddle attached to the four inch main was leaking around a seal apparently. One employee Mike Brown tightened the four bolts on the saddle to try to stop the escaping natural gas but it did not stop the leak. After this attempt employee Coty Hunt called from his cell phone to Superintendent Joe Dunaway to explain to him what they had discovered and wanted to know what steps should be taken now, the Superintendent instructed to loosen the bolts up on the saddle and then attempt to tighten the bolts once again as tight as they could get them, Coty Hunt agreed to do so and said he would call back if it didn¿t work. Coty Hunt relayed to Mike Brown what the Superintendent had explained to him to do and then Mike Brown attempted to stop the escaping natural gas but this to failed to stop the leak. Coty Hunt again called from his cell phone to Superintendent Joe Dunaway to explain to him what they tried but had failed to stop the leak, the Superintendent explained to Coty Hunt remove the saddle which would expose a hole in the four inch main, place a temporary full circle repair clamp over the hole to stop the escaping natural gas, go either upstream or downstream of the clamp and install a new saddle to install the one inch service line back up and then we would call a sub-contractor to come in and repair the hole that we placed the temporary full circle clamp over. Coty Hunt then explained to employees Mike Brown and Scotty Masters. Coty Hunt told Scotty Masters to go back to the Flemingsburg Distribution Center and get everything that was needed to install the full circle repair clamp and the saddle also to get all the tools and parts needed while Mike Brown and himself stay at the leak. Scotty Masters then returned with what he thought was everything that was needed to repair the leak. Coty Hunt and Scotty Masters unloaded the tools and parts and then began handing Mike Brown the tools and parts, Scotty Masters had brought back a combustible gas powered generator with an electric impact wrench to help with the installation of the full circle repair clamp. Employee Mike Brown removed the saddle from the four inch main while natural gas was escaping and placed the four inch repair clamp over the hole, the generator was running by this time and the electric impact wrench was plugged in and handed to Mike Brown to tighten up the bolts on the clamp, he tightened the bolts but natural gas was still escaping. Coty Hunt called from his cell phone to Superintendent Joe Dunaway to explain to him what had happened to this point and the gas was still leaking, the Superintendent instructed to remove the full circle repair clamp and to spray with soapy water and run a rasp/file over the hole to make sure that there wasn; t any rough edges and the replace the full circle repair clamp back over the hole and tighten the bolts as tight as you could get them. Coty Hunt relayed to Mike

Reproduction of this form is permitted

Brown what the Superintendent had explained to him to do and then Mike Brown removed

PART I - PREPARER AND AUTHORIZED SIGNATURE

Preparer's Name

Preparer's Telephone Number

Form PHMSA F 7100.1

Preparer's Title

Joe Edward Dunaway Jr. Utilities Superintendent

606-748-8778

Preparer's E-mail Address	joedunaway@altiusbb.com	
Preparer's Facsimile Number	606-845-0712	
Authorize Signature's Name	Joe Edward Dunaway Jr.	
Authorized Signature's Title	Utilities Superintendent	
Authorized Signature's Email Address	joedunaway@altiusbb.com	

Form PHMSA F 7100.1

• •

Page 10 of

Reproduction of this form is permitted

Received an odor complaint on January 28<sup>th</sup> 2016 at 3AM from Mason County Kentucky Emergency Dispatch that a customer had reported the smell of natural gas at or near 5040 Main Street Mayslick Kentucky. After two City of Flemingsburg natural gas employees Danny Shrout and Colby McCloud responded they made the determination that the leak was not an emergency and no threat to loss of life or any structure would occur and it should be fixed when it became daylight that same day. At approximately 8AM on January 28<sup>th</sup> 2016 three different City of Flemingsburg natural gas employees Coty Hunt, Mike Brown and Scotty Masters was assigned to dig out and repair the leak at or near 5040 Main Street Mayslick Kentucky, the said three employees arrived on the job site of the leak at approximately 9AM. The leak was pinpointed by a natural gas leak detector above ground and then excavating was started, once the four inch main was located and had been exposed it was discovered that a one inch service line saddle attached to the four inch main was leaking around a seal apparently. One employee Mike Brown tightened the four bolts on the saddle to try to stop the escaping natural gas but it did not stop the leak. After this attempt employee Coty Hunt called from his cell phone to Superintendent Joe Dunaway to explain to him what they had discovered and wanted to know what steps should be taken now, the Superintendent instructed to loosen the bolts up on the saddle and then attempt to tighten the bolts once again as tight as they could get them, Coty Hunt agreed to do so and said he would call back if it didn't work. Coty Hunt relayed to Mike Brown what the Superintendent had explained to him to do and then Mike Brown attempted to stop the escaping natural gas but this to failed to stop the leak. Coty Hunt again called from his cell phone to Superintendent Joe Dunaway to explain to him what they tried but had failed to stop the leak, the Superintendent explained to Coty Hunt remove the saddle which would expose a hole in the four inch main, place a temporary full circle repair clamp over the hole to stop the escaping natural gas, go either upstream or downstream of the clamp and install a new saddle to install the one inch service line back up and then we would call a subcontractor to come in and repair the hole that we placed the temporary full circle clamp over. Coty Hunt then explained to employees Mike Brown and Scotty Masters. Coty Hunt told Scotty Masters to go back to the Flemingsburg Distribution Center and get everything that was needed to install the full circle repair clamp and the saddle also to get all the tools and parts needed while Mike Brown and himself stay at the leak. Scotty Masters then returned with what he thought was everything that was needed to repair the leak, Coty Hunt and Scotty Masters unloaded the tools and parts and then began handing Mike Brown the tools and parts, Scotty Masters had brought back a combustible gas powered generator with an electric impact wrench to help with the installation of the full circle repair clamp. At no point in time was Superintendent Joe Dunaway aware of or was told that a combustible gas powered generator with an electric impact wrench had been brought to the job site. Employee Mike Brown removed the saddle from the four inch main while natural gas was escaping and placed the four inch repair clamp over the hole, the generator was running by this time and the electric impact wrench was plugged in and handed to Mike Brown to tighten up the bolts on the clamp, he tightened the bolts but natural gas was still escaping. Coty Hunt called from his cell phone to Superintendent Joe Dunaway to explain to him what had happened to this point and the gas was still leaking, the Superintendent instructed to remove the full circle repair clamp and to spray with soapy water and run a rasp/file over the hole to make sure that there wasn't any rough edges and the replace the full circle repair clamp back over the hole and tighten the bolts as tight as you could get them. Coty Hunt relayed to Mike Brown what the Superintendent had explained to him to do and then Mike Brown removed the clamp, ran the rasp/file over the hole and then replaced the clamp and attempted several times to tighten the bolts with the electric impact wrench while natural gas was escaping, on the last attempt the trigger was pulled on the electric impact wrench and there was a natural gas arc flash that occurred. Mike Brown was the only employee in the ditch and was the only employee to get a flash burn. As fast as the flash occurred it went out just as fast, Mike Brown got up out of the ditch and was transported to Fleming County Hospital by employee Scotty Masters, while Scotty Masters drove Mike Brown to the hospital Mike

called the City Clerk and his wife to explain to them what had happened and where he was going, he also called his hair dresser to get a hair appointment because his hair had been singed. When Mike Brown walked into the Fleming County Hospital emergency room he begin having difficulty breathing, they gave him pain medicine and air lifted him to the University of Kentucky Hospital in Lexington Kentucky, he stayed overnight for observation and was released the next morning January 29<sup>th</sup> 2016. He had suffered from flash burns and later discovered broken teeth from hitting himself in the mouth with the impact wrench while it was in his hand when the arc flash occurred. The determination is the flash arc was caused by an electrical powered tool used by Mike Brown to tighten up the bolts while natural gas was escaping to the atmosphere and it caused an electrical arc which caused the flash. Additionally there was no post-accident drug /alcohol test conducted of any kind on the three employees involved, at the time of the incident it was over looked, the focus was on the injured employee and this was the first incident that had ever occurred for the City of Flemingsburg since it began over 55 years ago, it was a complete over sight and never intentionally not completed.