

Public Utilities Commission of Ohio Set 1, Nos. 1 through 33
Respondent(s): Rob Smith

COLUMBIA GAS OF OHIO, INC.
RESPONSE TO PUBLIC UTILITIES COMMISSION OF OHIO
DATA REQUESTS SET ONE
DATED OCTOBER 2, 2020

1. SCADA Log indicating pressure at time of failure or pressure chart from regulator station feeding pipeline (provide documentation).

[The measured pressure recorded in SCADA is attached in DR_1.](#)

2. Who reported NRC from COH?

[Rob Smith](#)

3. GPS coordinates and Elevation Kitts Hill Town Border (TB) Station.

[38.5608930-82.5637924 Elevation 833.3 Ft](#)

4. Time Detected

[High Alert \(143.50 psig\) detected via SCADA @ 1:46:07am 10/1/2020](#)
[High-High Alarm \(176.40 psig\) detected via SCADA @ 1:58:12am 10/1/2020](#)

5. Time Located Time Verified On-Site

[02:32 AM Dustin Harper onsite](#)

6. Time of Failure.

[7:07 am Service Failure occurred.](#)

7. Owner; Address; Company Official; Contact Number; and Fax Number

Company Information			
Company Headquarters	Columbia Gas of Ohio Inc.		
Address	290 W. Nationwide Blvd.		
City	Columbus	State/Zip	Ohio 43215
Executive Officer	Vincent Parisi	Title	President
Phone	614-460-6946	Fax	614-460-6986

8. Map of system of High-Pressure pipeline

[See Attachment #8 – Kitts Hill HP Map.](#)

9. Copy of Pressure Test for High-Pressure system; – test date; test medium; pressure; duration; and SMYS at pressure test
See Attachment #9-18-32_Pipeline and Pressure Data
10. If pipeline Hydro-Tested, please provide copy of elevation profile
N/A – Air or air & nitrogen testing
11. MAOP and Operating Pressure
MAOP = 175 PSIG
Normal Operating Pressure = 120 PSIG
12. What was the inlet operating pressure to the Kitts Hill TB at the time of the exceedance?
NiSource Gas Control does not have pressure monitoring upstream of regulation at Kitts Hill Town Border Station. According to Transcanada Gas Control, MS 712573 is not SCADA monitored. The closest point on Transcanada's R-701 line monitored by NiSource Gas Control is at the Burlington POD, Co Premise 0404893, MS 713542. The inlet pressure at the time of MAOP exceedance as measured from Burlington POD was 610.38 psig @1:58 am 10/1/2020.
13. Describe failure isolation, what valves were shut, valve number, time shut, whom performed the closure of valves and OQ
02:33 AM Dustin Harper opens regulator run bypass (facility 340980), which energizes controllers and closes regulators stopping flow of gas.
02:35 station external shut off is closed (facility 340979)
See also the attached OQ-Question 13.
14. Weather report day of MAOP Exceedance
The hourly weather as recorded and downloaded from DTN is attached in DR_14.
15. Gas migration survey.
N/A, the line was de-energized.
16. Sniff testing report post MAOP exceedance, location and individuals OQ.
N/A, the line was de-energized.

17. Leakage survey reports post incident, any leaks, location and individuals OQ.
N/A, the line was de-energized.
18. What SMYS did the pipeline reach post exceedance?
See Attachment #9-18-32_Pipeline and Pressure Data.
19. What pressure did the pipeline reach post exceedance?
420.9 PSIG
20. Timeline of Events (including emergency response, gas control actions).
See DR 20 – Kitts Hill 10.06.2020 Final Update Timeline attached.
21. Provide a copy for all 105 services with the type of 1st cut service regulator, address, orifice size and design pressure.
See DR21 First cut regulator inventory attached.
First cut regulators were removed from service – Sprague B35 rated at 1000 psig and the fisher 627 were rated for 1500 psig
22. Did the company provide the two M&R technicians with a work plan?
No.
23. Provide company procedures for establishment of a work plan.
See DR 23 Columbia's Gas Standard 1680.010 attached.
24. Provide OQ for Mark Haaser and Dustin Harper – Operating Pressure Controllers and Regulators.
See DR 24 Kitts Hill OQ M&R attached.
25. Provide procedures for inspection regulator stations.
See Attachment #25 Regulatory Inspection attached.
26. Provide procedures for startup and shut down regulator stations.
See Attachment #26 Startup-shutdown and Attachment #26 ON 19-05 Additional Requirements for Pressure Modifications or ShutdownStartup Operations at Regulatory Stations attached.
27. Provide the past 3 years of inspections to the Kitts Hill regulator station.
See Attachment #27 attached.

28. Were the employee's involved in the MAOP Exceedance, Drug / Alcohol (D/A) tested? If so, please provide results.
[Yes, and the results were negative.](#)
29. Provide company procedure for post-incident D/A testing.
[See DR 29 NiSource PHMSA Drug and Alcohol Plan 6.23.20 attached.](#)
30. Provide a signed written statement from Mark Haaser and Dustin Harper, regarding the events that occurred from the time of arrival to exiting the Kitts Hill TB on Wednesday, September 30, 2020.
[See Attachment #30 Haaser statement and Attachment #30 Harper statement.](#)
31. What pipeline and pipeline components were exceeding by design post MAOP Exceedance? ? Dresser 175 compression curb stops, two flanges on MP station ansi150?
[See Attachment #31 Components exceeding design.](#)
32. Provide pipe specifications (size, grade, wt.) downstream of Kitts Hill TB.
[See Attachment #9-18-32_Pipeline and Pressure Data.](#)
33. Provide correspondence and coordination (emails, phone calls) with Columbia Gas Transmission related to construction at the Kitts Hill Station.
[See Attachment #33 Communication.](#)
34. Schematic for the Kitts Hill regulator station
[See Attachment #34 Kitts Hill Schematic.](#)

This foregoing document was electronically filed with the Public Utilities

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in

Case No(s). 20-1759-GA-GPS

Summary: Staff Report of Investigation Exhibit 2 electronically filed by Mr. Thomas E Stikeleather on behalf of PUCO Staff.