

**CALIFORNIA PUBLIC UTILITIES COMMISSION**  
**Safety and Enforcement Division**  
**Gas Safety and Reliability Branch**  
**Gas Engineering and Compliance Section**

Incident Investigation Report

**Report Date:** 10/20/2022

**Incident Number:** G 20220730-3412

**Utility:** Southern California Gas      SoCalGas

**Date and Time of the Incident:** 7/30/2022, 4:30:00 PM

**Location of the Incident:**    ■■■ North 1st St  
   Upland ,CA  
   County: San Bernardino

**Summary of Incident:**

On July 30, 2022, at approximately 0956 hours, high pressure water from a leaking 3-inch water pipe punctured a nearby SoCalGas ¾ - inch steel service. This resulted in damage and water intrusion to the main/service, and a service interruption. It also became a DOT and CPUC reportable due to the cost of repairs exceeding \$129,300. SED investigation found that this under-pressure incident was caused by water intrusion to SoCalGas facilities. Therefore, SED did not find any violations of GO-112-F, reference Title 49 CFR, Parts 191 or 192, by SoCalGas.

**Casualties:**    *Fatalities:* 0    *Injuries:* 0

**Property Damage:** \$359,012.00

**Utility Facilities involved:**

Pipe Material = Steel, Pipe Size = 0.75 (inches), MAOP = 60 (psi), Operating Pressure = 45 (psi)

**Witnesses:**

*Name*

*Title*

*Phone*

1	Jordan Neumayer	CPUC Investigator	N/A
2	Jordan Neumayer	CPUC Investigator	
3	Yi Yang	CPUC Investigator	
4	██████████	SoCalGas PS&C	(310) 970-4854

**Evidence:**

<i>Source</i>	<i>Description</i>
1 SoCalGas	Initial Report on 7/30/2022
2 SoCalGas	Final GD Report on 8/29/2022
3 SoCalGas	Phone Interview on 8/4/2022
4 SoCalGas	Data Request Response received 8/8/2022
5 SoCalGas	Data Request Response received 10/18/2022

**Observations and Findings:**

On July 30th, 2022, at approximately 0956 hours, water intrusions were found in the SoCalGas main and several service lines in the vicinity of ██████ North 1st Street, Upland. There were no injuries, fatalities, fire or third-party property damage. The incident became DOT and CPUC reportable due to the cost of repairs exceeding \$129,300. The assigned DOT report number is 1343499. The affected area was approximately a two mile stretch of SoCalGas' main of various sizes and material and various tied in services throughout the affected infrastructure, resulting in 136 customer outages (130 residential and 6 commercial customers). Gas service was interrupted from July 30th – August 5th, approximately 149 hours.

On July 30th, 2022, at approximately 1043 hours, SoCalGas crew arrived on site. After identifying water in the gas facilities, SoCalGas began isolating affected gas services.

On August 4th, 2022, the source of the water intrusion was identified, the SoCalGas crew excavated the site and completed the repair at approximately 0700 hours. SoCalGas decided to abandon the entire service stub which consisted of 6 feet ¾ -inch diameter steel pipe. The incident became DOT reportable on August 4th, 2022, at 0229 hours, after determining that the cost of repairs may exceed \$129,300.

Per a phone interview with ██████████ of SoCalGas on the morning of August 4th, 2022, at 1022 hours Upland Water District has repaired the water main.

On August 8th, 2022, at 1600 hours [REDACTED] from SoCalGas provided a data request response. SoCalGas restored gas service to all affected customers by August 5th, 2022, at 1404 hours. Total time of interruption to service was 6 days and 5 hours. The steel gas main and service involved were installed between 1929 to 1958 and not protected by Cathodic Protection system. Segments of plastic main were installed between 1990-2009.

On August 8th, 2022, at 1600 hours, Mr. [REDACTED] provided a data request response. In the response, he provided a map of the pipeline affected, all operator qualifications for SoCalGas personnel involved, the work order for the service stub abandonment, and confirmed the number of outages, facilities involved, etc.

**Preliminary Statement of Pertinent General Order, Public Utilities Code Requirements, and/or Federal Requirements:**

<i>General Order</i>	<i>GO Rule</i>
1 GO112F	CFR, Part 192.617 Investigation of failures
2 GO112F	CFR, Part 192.629 Pugging of pipelines
3 GO112F	CFR, Part 192.723 Dist system - Leakage survey
4 GO112F	CFR, Part 192. Leak repairs

**Conclusion:**

Based on the investigation, SED found that this under-pressure incident was caused by water intrusion to SoCalGas facilities. Therefore, SED did not find any violations of GO-112-F, reference Title 49 CFR, Parts 191 or 192, by SoCalGas.