

PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3298



November 28, 2023,

GI-2023-08-SCG-57-02ABC

Mr. Rodger Schwecke
Senior Vice President and Chief Infrastructure Officer
Southern California Gas Company
555 West 5th Street, GT21C3
Los Angeles, CA 90013

Dear Mr. Schwecke:

The Safety and Enforcement Division (SED) of the California Public Utilities Commission (CPUC) reviewed Southern California Gas Company's (SoCalGas) response letter, dated November 22, 2023, that addressed seven (7) out of eight (8) areas of concern identified during the **General Order (G.O.) 112-F Comprehensive Operation and Maintenance Inspection of Southern California Gas Company (SoCalGas)'s NW Mid City Los Angeles Distribution Area (Inspection Unit)** on August 21 through 25, 2023, and August 28, 2023. SED had closed one (1) area of concern in the inspection letter, dated October 26, 2023.

The inspection included a review of SoCalGas' records from calendar years 2019 to 2022 and field inspections of pipeline facilities in the Belvedere, Hollywood, and Juanita Distribution Districts. SED's staff also reviewed the implementation of the Operator Qualification program, which included field observation of randomly selected individuals performing covered tasks.

Attached is a summary of all SED's inspection findings, SoCalGas' responses to SED's findings, and SED's evaluation of SoCalGas' responses to the findings.

This letter serves as an official closure of the 2023 Comprehensive Inspections of SoCalGas' Transmission South Desert (Inspection Unit). Any matters that are being considered for enforcement will be processed through the Commission's Citation Program or a formal proceeding.

Thank you for your cooperation in this inspection. If you have any questions, please contact Gordon Huang, Utilities Engineer, at (213) 503-5083 or by email at ghg@cpuc.ca.gov.

Sincerely,

A handwritten signature in blue ink that reads "Mahmoud Intably".

Mahmoud Intably, PE
Program and Project Supervisor
Gas Safety and Reliability Branch
Safety and Enforcement Division

Attachments: see Post-Inspection Written Preliminary Findings
cc: see next page.

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Post-Inspection Written Preliminary Findings

Dates of Inspection: 8/21/2023 – 8/25/2023, 8/28/2023

Operator: SOUTHERN CALIFORNIA GAS CO

Operator ID: 18484 (primary)

Inspection Systems: Mid City Distribution Districts (Belvedere, Hollywood, and Juanita)

Assets (Unit IDs) with results in this report: Northwest - Mid City LA (87040)

System Type: GD

Inspection Name: SCG NW Mid City LA

Lead Inspector: Gordon Huang

Operator Representative: Edwin Baires

Unsatisfactory Results

No Preliminary Findings.

Concerns

Maintenance and Operations : Gas Pipeline Odorization (MO.GOODOR)

1. Question Title, Odorization of Gas, MO.GOODOR.ODORIZE.P
ID

Question 1. Does the process ensure appropriate odorant levels are contained in its combustible gases in accordance with 192.625?

References 192.605(b)(1) (192.625(a), 192.625(b), 192.625(c), 192.625(d), 192.625(e), 192.625(f))

Assets Covered Northwest - Mid City LA (87040 (57))

Issue Summary Title 49 CFR, §192.605(b)(1) states, in part:

"The manual required by paragraph (a) of this section must include procedures for the following, if applicable, to provide safety during maintenance and operations.

(1) Operating, maintaining, and repairing the pipeline in accordance with each of the requirements of this subpart and subpart M of this part."

In relation to odor testing activities observed in the inspection, SED reviewed SoCalGas' Gas Standard (GS) 189.005 "Operation of Odorometer". §3.2.7 mentions checking for gas leaks after connecting the odorometer to the sample line and prior to the test.

However, the GS does not mention checking for leaks after the test has been concluded and following restoration of the sample connection site. SED notes that SoCalGas has conducted soap testing following odor testing as a best practice in several occasions.

Therefore, SED recommends SoCalGas to revise GS 189.005 to include checking for leaks (e.g., soap testing) after odor testing to ensure safe operation of the pipeline system.

SoCalGas’ Response and Remedial Action:

SoCalGas will update its GS 189.005 to reflect the best practice of soap testing following odor testing.

SED’s Conclusion:

SED has reviewed SoCalGas’ response and accepts the procedural revisions that it has articulated. However, SED may review and reassess the pertinent procedure during future inspections.

- 2. Question Title, Odorization of Gas, MO.GOODOR.ODORIZE.O
ID

Question 3. Is sampling of combustible gases adequate using an instrument capable of determining the percentage of gas in air at which it becomes readily detectable?

References 192.625(a) (192.625(c), 192.625(d), 192.625(e), 192.625(f))

Assets Covered Northwest - Mid City LA (87040 (57))

Issue Summary During a field inspection on August 25, 2023, in the Hollywood District near the Cedars-Sinai Medical Center, SED observed SoCalGas personnel performing an odor test inspection to determine whether the odor level of gas in the system is readily detectable at one-fifth of the lower explosive limit. The process consisted of two steps in SoCalGas Gas Standard (GS) 189.005 “Operation of Odorometer”, Section 3.3.1 “First Readily Detectable Odor Level” and Section 3.3.2 “Odor Intensity at 0.9% Gas in Air”. After SoCalGas personnel completed the first step of the process, SED asked the testing personnel questions regarding the second step (validation of odor at 0.9% gas in air). This involved adjusting the rotameter’s position per the % Gas in Odorometer Effluent chart. However, the testing personnel was unable to clearly describe the process. When SED then asked at which rotameter position the metal float should be set for the validation test, the testing personnel referred to the first readily detectable odor level test parameters.

While other factors such as confidence and site accessibility may have impacted the testing personnel performance, SED recommended during the exit meeting on August 28, 2023, that SoCalGas provide additional coaching or refreshers to improve the quality of the odorant test inspection.

On September 20, 2023, SoCalGas stated that a review of GS 189.005 was conducted with Hollywood district employees in relation to this concern. SED requests that a record of this session be provided for review. In addition, SED requests that SoCalGas employee ID [REDACTED]’s operator qualification record from 2019 to the present be provided to confirm requalification following the inspection.

SoCalGas’ Response and Remedial Action:

SoCalGas provided Hollywood District personnel training records (Training Form 5300, operator qualification record) on November 22, 2023.

SED’s Conclusion:

SED has reviewed SoCalGas’ response on November 22, 2023, and accepts the submitted documentation.

Reporting : Regulatory Reporting (Traditional) (RPT.RR)

- 3. Question Title, Immediate Reporting: Incidents, RPT.RR.IMMEDREPORT.R
ID

Question 3. Do records indicate immediate notifications of incidents were made in accordance with 191.5?

References 191.5(a) (191.7(a), 191.7(d))

Assets Covered Northwest - Mid City LA (87040 (57))

Issue Summary SED reviewed SoCalGas' initial PHMSA F 7100.1 report No. 20200021-33327 filed on 2/12/2020 in response to an incident identified on 1/13/2020 at 0943 hours (Part A, Items 4, 17). The report indicates that SoCalGas notified the National Response Center (NRC) on 1/14/2020 at 0904 hours (Part A, Item 7). In addition, SoCalGas notified SED of this incident on 1/14/2020 at 0921 hours.

Title 49 Code of Federal Regulation (CFR), Part 191, §191.5(a) states "At the earliest practicable moment following discovery, but no later than one hour after confirmed discovery, each operator must give notice in accordance with paragraph (b) of this section of each incident as defined in § 191.3."

Code of Federal Regulation (CFR), Part 191, §191.3 defines "Confirmed Discovery" as "when it can be reasonably determined, based on information available to the operator at the time a reportable event has occurred, even if only based on a preliminary evaluation."

On October 23, 2023, SoCalGas stated that it determined the incident could potentially meet the reporting criteria at the time of the NRC notification on 1/14/2020 at 0904 hours. SoCalGas stated that as a best practice, it reports incidents to the DOT before estimated costs are finalized.

SED recommends SoCalGas to ensure cost estimates are determined in a timely manner for future incidents which may meet DOT reporting criteria.

SoCalGas' Response and Remedial Action:

In addition to SoCalGas' previously stated practice, SoCalGas deployed the Emergency Management Watch Desk who is responsible for analyzing and investigating potentially reportable events 24/7/365.

SED's Conclusion:

SED has reviewed SoCalGas' response and accepts the corrective action that it has articulated and implemented.

Time-Dependent Threats : External Corrosion - CP Monitoring (TD.CPMONITOR)

4. Question Title, Cathodic Protection Monitoring Criteria, TD.CPMONITOR.MONITORCRITERIA.R ID

Question 2. Do records document that the CP monitoring criteria used was acceptable?

References 192.491(c) (192.463(a))

Assets Covered Northwest - Mid City LA (87040 (57))

Issue Summary SoCalGas' Gas Standard (GS) 186.0005, Cathodic Protection - Mixed Piping System, Section 5.3.2.1 states:

"Any facility found during routine CP10 monitoring shall require remediation if the pipe to soil measurement is below -0.900 volts DC, in order to prevent possible loss of protection for the facility during the 10-year monitoring interval. The required remediation action shall be completed."

During records review of SoCalGas separately protected short sections of steel pipe (CP10), SED found clerical errors regarding the following CP10 mains' lower cathodic protection (CP) monitoring limit: TCEN060-13, T DOW022-1, TLA3025-3, TLA3032-2, THOL101-14, and TPAL018-1. Some CP documents stated the lower limit was -0.850 Volts while other documents stated -0.900 Volts instead.

During the exit meeting on August 28, 2023, SED requested that SoCalGas ensure its gas standard is followed.

On September 20, 2023, SoCalGas stated that it had reviewed all CP10 mains' monitoring limit to ensure the -900 millivolt (-0.900 Volts) limit is upheld in accordance with GS 186.0005. In addition, its System Protection Clerks have been assigned to review GS 186.0005. SED requests SoCalGas to provide documents demonstrating SoCalGas' efforts to address this finding as articulated (e.g., training records for System Protection Clerks).

SoCalGas' Response and Remedial Action:

SoCalGas reviewed its CP10 read tolerances and adjusted minimum tolerances to -900 mV as of August 31, 2023. In addition, SoCalGas provided training records for reviewing GS 186.0005 (NOP00475)

between August 22 through September 5, 2023 and its updated annual training plan for System Protection Clerks.

SED's Conclusion:

SED has reviewed SoCalGas' response and accepts the corrective action that it has articulated and implemented.

5. Question Title, Cathodic Protection Monitoring Criteria, TD.CPMONITOR.MONITORCRITERIA.O
ID

Question 3. Are methods used for taking CP monitoring readings that allow for the application of appropriate CP monitoring criteria?

References 192.465(a) (192.463(b), 192.463(c), 192.463(a))

Assets Covered Northwest - Mid City LA (87040 (57))

Issue Summary Title 49, CFR Part 192, Section 192.463(a) states:

"Each cathodic protection system required by this subpart must provide a level of cathodic protection that complies with one or more of the applicable criteria contained in appendix D of this part. If none of these criteria is applicable, the cathodic protection system must provide a level of cathodic protection at least equal to that provided by compliance with one or more of these criteria."

During the field inspection on August 25, 2023, SED observed CP package SL 33-12-1 (-0.850 volt criterion) had the following pipe-to-soil read deficiencies:

- o Read Point "L" measured -0.715 volt.
- o Read Point "X" measured -0.762 volt.

During the exit meeting on August 28, 2023, SED recommended SoCalGas follow its GS 186.0135 "Operation and maintenance of Cathodic Protection Facilities" and take the necessary corrective measures to restore the cathodic protection to the above CP package to ensure compliance with Title 49, CFR Part 192, §192.463(a).

On September 20, 2023, SoCalGas provided follow up work orders 520003478634 and 520003494375 from its plan of remedial actions. SED requests SoCalGas to provide updates every 3 months until closure of the deficiencies.

SoCalGas' Response and Remedial Action:

SoCalGas is currently troubleshooting CP package SL 33-12-1 as it remains out-of-tolerance. To date, SoCalGas has cleared an aboveground electrical short and repaired a damaged bond. SoCalGas agrees to provide periodic updates, every three months, to SED until the CP deficiency has been remediated.

SED's Conclusion:

SED has reviewed SoCalGas' response and accepts the corrective action that it has articulated and implemented. SED will review the effectiveness of SoCalGas' continued corrective actions over subsequent updates.

6. Question Title, Cathodic Protection Monitoring, TD.CPMONITOR.TEST.R
ID

Question 5. Do records adequately document cathodic protection monitoring tests have occurred as required?

References 192.491(c) (192.465(a))

Assets Covered Northwest - Mid City LA (87040 (57))

Issue Summary SoCalGas' Gas Standard (GS) 186.0005, Cathodic Protection - Mixed Piping System, Section 5.3.2.1 states:

"Any facility found during routine CP10 monitoring shall require remediation if the pipe to soil measurement is below -0.900 volts DC, in order to prevent possible loss of protection for the facility during the 10-year monitoring interval. The required remediation action shall be completed."

During records review of SoCalGas' CP10 service read records, several services' "as left" readings were found to be below (less negative than) -0.900 volts:

Service ID	Year
00003879	2019
00184923	2019
00555555	2019
00555599	2019
00556092	2019
00556110	2019
01835924	2019
02019852	2019
03967241	2019
21235699	2019
21283735	2019
00011951	2019
01661614	2019
01843749	2019
02566200	2019
02566541	2019
02749578	2019
03472695	2019
21761030	2019
00919106	2020
02742417	2020
02742433	2020
02567340	2020
50039051	2021
00187505	2021
02748340	2021

SED requests SoCalGas to provide records demonstrating CP remediation of the above services per GS 186.0005.

SoCalGas’ Response and Remedial Action:

SoCalGas reviewed all CP10 assets and created work orders to confirm and investigate assets where the last read was between -850mV and -900mV. For the CP10 services identified in the SED Inspection Report, SoCalGas opened 15 follow-up work orders and made 4 record corrections. SoCalGas listed the work order numbers in its response on November 22, 2023.

SED’s Conclusion:

SED has reviewed SoCalGas’ response and accepts the corrective actions that it has articulated and implemented. However, SED may review SoCalGas’ corrective actions during future inspections.

Training and Qualification : Qualification of Personnel - Specific Requirements (TQ.QU)

7. Question Title, Corrosion Control Personnel Qualification, TQ.QU.CORROSION.R
ID

Question 2. Do records indicate qualification of personnel implementing pipeline corrosion control methods?

References 192.453 (192.807(a), 192.807(b))

Assets Covered Northwest - Mid City LA (87040 (57))

Issue Summary During records review of SoCalGas qualification records of SoCalGas' personnel implementing pipeline corrosion control, SED found that the following employees with IDs# were not listed in the historical Operator Qualification (OQ) spreadsheet SoCalGas provided during the audit:

. ID [REDACTED]
. ID [REDACTED]
. ID [REDACTED]
. ID [REDACTED]

SED requests SoCalGas to provide SED the OQ records for the above personnel.

SoCalGas' Response and Remedial Action:

SoCalGas provided a response and the requested item on October 26, 2023.

SED's Conclusion:

SED has reviewed SoCalGas' response on October 26, 2023, and accepts the submitted documentation.

Generic Questions : Generic Questions (GENERIC.GENERIC)

8. Question Title, Generic Question, GENERIC.GENERIC.GENOBSERVE.O
ID

Question 1. Generic question - please provide context in result notes.

References N/A

Assets Covered Northwest - Mid City LA (87040 (57))

Issue Summary Title 49, CFR Part 192, Section 192.161(b) states: "Each exposed pipeline must have enough supports or anchors to protect the exposed pipe joints from the maximum end force caused by internal pressure and any additional forces caused by temperature expansion or contraction or by the weight of the pipe and its contents."

During the field inspection on August 24, 2023 in Juanita District, SED observed that the bridge & span (GD.PAC.JNT.BS.BMM27) was missing a support bracket for both pipelines. According to SoCalGas' Gas Standard (GS) 184.12, Inspection of Aboveground Pipeline and Pipelines on Bridge and Spans, Appendix A, Bridge Inspection Criteria and Required Actions, "Are there any pipe supports, bent, broken, loose, or missing?" shall be, "Repair or replace damaged supports from normal wear. Otherwise contact Planning and Engineering for evaluation".

During the inspection, SoCalGas did not provide any documentation of attempts to complete this remedial action for this missing bridge & span supports. SED believes that the brackets had been missing for some time due to the homogenous color throughout the pipelines. During the exit meeting on August 28, 2023, SED recommended SoCalGas to address the observed condition.

On September 20, 2023, SoCalGas provided a follow up work order and photos showing the support brackets had been installed for both pipelines. As a result, **SED has determined that SoCalGas' response is satisfactory and considers this item to be closed.**