



Melvin Stark
Principal Manager
EHSQ-T&D Compliance & Quality

December 16, 2024

Fadi Daye, P.E.
Program & Project Supervisor
Electric and Safety Reliability Branch
Safety and Enforcement Division
California Public Utilities Commission
320 West 4th St., Ste. 500
Los Angeles, California 90013

SUBJECT: SA2024-1208, Substation Audit of Southern California Edison Mira Loma AOR

Dear Mr. Daye:

Your letter, dated November 14, 2024, requested that we advise you of actions taken by Southern California Edison Company (SCE) to address conditions identified during the Safety and Enforcement Division's (SED's) substation audit of Mira Loma Switching Center from September 23, 2024 to September 27, 2024.

Your letter requested a response by December 16, 2024. Attached are the conditions mentioned in your letter, and our responses and corresponding actions.

A handwritten signature in black ink, appearing to read "Mel Stark", with a long horizontal stroke extending to the right.

Mel Stark
Principal Manager, EHSQ-T&D Compliance & Quality
1 Innovation Way
Pomona, CA 91768

Enclosures: SED Audit Findings and SCE's Responses

Cc: Lee Palmer, Director, Safety and Enforcement Division, CPUC
Nika Kjensli, Program Manager, ESRB, SED, CPUC
Calvin Choi, Utilities Engineer, ESRB, SED, CPUC

AUDIT FINDINGS

I. Records Review

During the audit, my staff reviewed the following records:

- SCE GO 174 Substation Inspection Practices
- Section 6.9 Substation Inspections, of SCE's Operators Manual
- SCE's Substation Procedures
- Summary of SCE Mira Loma AOR Substation Operators Training Records
- Summary of Substation Inspections
- Inspection Checklists and One-Line Diagrams
- Pending and Completed Workorders
- Summary of results of Infrared Testing
- Summary of results from substation Dissolved Gas Analysis

II. Records Review – Violations List

My staff observed the following violations during the records review portion of the audit:

GO 174, Rule 12, General, states in part:

Design, construction, and maintenance should be performed in accordance with accepted good practices for the given local conditions known at the time by those responsible.

Between July 2019 and July 2024, SCE failed to complete 15 work orders by SCE's assigned due date.

SCE Response:

Without admitting that SCE violated GO 174, Rule 12, SCE responds as follows. Based on SCE's records, SCE completed 15 work orders past their scheduled due date for corrective action. Work orders may be pending or completed past their due dates for valid reasons including but not limited to Outage Constraints, System Emergencies, and Customer Issues.

III. Field Inspections

My staff inspected the following facilities during the field inspection:

No.	Substation Name
1	Mira Loma
2	Archibald
3	Milliken
4	Firehouse
5	Ontario
6	Narod
7	Chase
8	Jefferson
9	Perez
10	El Sobrante
11	Pedley
12	Kimball
13	Chino
14	Padua
15	Upland
16	San Antonio
17	Live Oak
18	Layfair
19	Diamond Bar
20	Grand Crossing
21	Nogales
22	Trophy
23	Cortez
24	Merced
25	Puente
26	Railroad

IV. Field Inspection - Violations List

My staff observed the following violations during the field inspections portion of the audit:

GO 174, Rule 12, General, states in part:

Substations shall be designed, constructed, and maintained for their intended use, regard being given to the conditions under which they are to be operated, to promote the safety of workers and the public and enable adequacy of service.

Design, construction and maintenance should be performed in accordance with accepted good practices for the given local conditions known at the time by those responsible.

Facilities at the following substations were not maintained for their intended use:

Archibald

- One cooling fan on the No. 1 Bank South Unit transformer was not starting.

SCE Response:

The condition listed above has been recorded in SCE's Work Management System and will be addressed in accordance with SCE's maintenance program.

- *One cooling fan on the No. 1 Bank South Unit transformer not starting. SCE Response: Due Date 11/6/2030.*

Chase

- One cooling fan on the No. 1 Bank South Unit transformer was not starting.

SCE Response:

The condition listed above was previously recorded in SCE's Work Management System and will be addressed in accordance with SCE's maintenance program.

- *One cooling fan on the No. 1 Bank South Unit transformer not starting. SCE Response: Due Date 10/3/2029.*

Chino

- One cooling fan on the No. 6 Bank East Unit transformer was not starting.

SCE Response:

The condition listed above was previously recorded in SCE's Work Management System and will be addressed in accordance with SCE's maintenance program.

- *One cooling fan on the No. 6 Bank East Unit transformer not starting. SCE Response: Due Date 3/14/2025.*

Upland

- Oil was weeping from the radiator flanges on the No. 4 Bank North Unit transformer and No.

4 Bank South Unit transformer.

SCE Response:

The condition listed above was previously recorded in SCE's Work Management System and will be addressed in accordance with SCE's maintenance program.

- *Oil weeping from the radiator flanges on the No. 4 Bank North Unit transformer and No. 4 Bank South Unit transformer. **SCE Response:** Due Date 9/25/2025.*

Merced

- There was no safety chain around the area under the No. 2 Capacitor Bank fuses.

SCE Response:

The condition listed above was recorded in SCE's Work Management System and was addressed in accordance with SCE's maintenance program.

- *No safety chain around the area under the No. 2 Capacitor Bank fuses. **SCE Response:** Completed on 9/27/2024.*