

# Audit Summary

## Los Medanos Energy Center

Pittsburg, California

### Accident History:

The facility has not had an incident related to the regulated CalARP materials in the last five years.

## Introduction

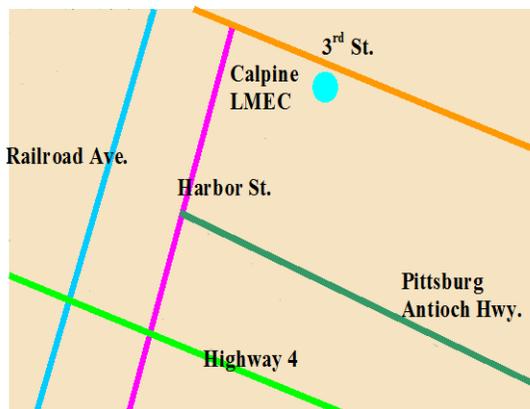
Contra Costa Hazardous Materials Programs (CCHMP) conducted a comprehensive audit/inspection of the policies, and procedures developed by Los Medanos Energy Center (LMEC) located at 750 East 3<sup>rd</sup> Street in Pittsburg. This audit, conducted in the spring of 2018, was performed to assess compliance with the California Accidental Release Prevention (CalARP) Program. The CalARP program requires the development of prevention programs such as maintenance, operating procedures, contractor safety, personnel training, incident investigations, and understanding hazards at the plant. The inspection also examines the management systems in place to implement these programs and the plant's emergency response program to make sure that the plant is prepared to respond to an emergency involving a hazardous chemical.

During the CalARP audit for a facility like LMEC, CCHMP reviews individual safety programs through answering up to 110 questions. The CCHMP 2018 CalARP audit at LMEC resulted in 8 corrective actions for LMEC to implement, and 10 other suggestions that are not required by regulations, but may assist in improving accident prevention.

*Based on our audit/inspection, many of the prevention programs met the regulatory requirements. Select prevention programs are identified to need improvement in order to meet the regulatory requirements. Identified below are some notable issues found, both good and bad.*

## Notable Items:

- **Self-Audit:** LMEC has maintained the two previous compliance audits. Recommendations from the 2015 compliance audits were completed while 2018 compliance audit recommendations were not finalized at the time of the audit.
- **Training:** Refresher training on operating procedures was not provided at least every three years. Calpine LMEC had not verified that contracted maintenance employees were adequately trained to perform the necessary maintenance tasks.
- **Maintenance:** LMEC has been maintaining their aqueous ammonia system to all relevant codes and standards with the exception of seismic recommendations from the most recent hazard review. Retention of reports related to the maintenance, inspection, and testing of the aqueous ammonia system was identified as an issue.
- **Incident Investigation:** LMEC has developed a robust system for investigating CalARP-related incidents.
- **Hazard Review:** The most recent hazard review maintained by Calpine LMEC included
- **Operating Procedures:** Calpine LMEC's operating procedures for their aqueous ammonia process did not address consequences of deviation from the intended operating parameters or the steps required to correct or avoid such deviations.



## Additional Information

To review the complete safety audit report, visit the Pittsburg Library at 80 Power Avenue, Pittsburg, CA 94565 or call 925-335-3200 for an appointment to view the report at CCHMP's offices, which is located at 4585 Pacheco Blvd., Suite 100, Martinez, CA, 94553

For more information, questions, or comments regarding this facility or audit, please send an email to [ARPTeam@hsc.cccounty.us](mailto:ARPTeam@hsc.cccounty.us)

