

Audit Summary

Calpine Delta 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

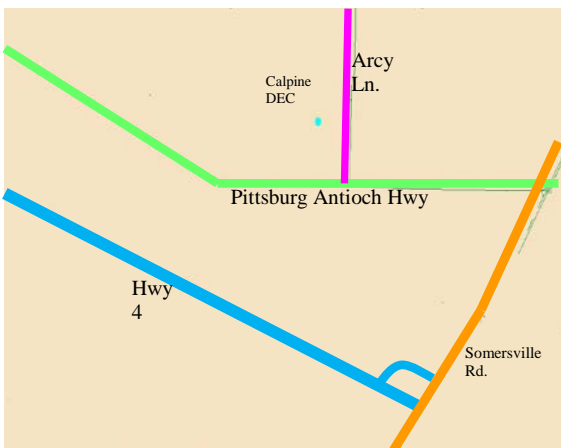
Contra Costa Hazardous Materials Programs (CCHMP) conducted a comprehensive audit/inspection of the policies, and procedures developed by Calpine Corporation's Delta Energy Center (Calpine DEC) located at 1200 Arcy Lane in Pittsburg. This audit, conducted in the spring of 2017, was performed to assess 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 Calpine DEC, CCHMP reviews individual safety programs through answering up to 227 questions. The CCHMP 2017 CalARP audit at Calpine DEC resulted in 22 corrective actions for Calpine to implement, and roughly 36 other items that are not required by regulations, but may assist in improving accident prevention.

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

Notable Items:

- **Management:** A management system is in place to address process safety elements. However, management follow-up on tracking action items needs improvements in several of CalARP Program elements including actions resulting from seismic assessment, compliance audit and security vulnerability assessment.
- **Changes in Process and Equipment:** The procedures to document changes in process and equipment address the impact of the change on safety and health prior to making the change. However, attention is needed in documentation and tracking what needs to be completed and be on file.
- **Self-Audit:** Self-audits were completed, however, the last self-audit was not done on a time, i.e., every three years.
- **Contractor Safety:** A contractor safety program is in place. The facility needs to request/review documentation from the contract owner to ensure that only properly trained contractors work on or near covered processes.
- **Emergency Response:** A program is in place to address emergency response situations.
- **Training:** A training program is in place to address process safety management. Operators are trained on procedures; however, the facility needs to document maintenance staff training.
- **Process/Equipment Safety Information:** Safety and design information for the equipment are generally available.
- **Hazard Analysis:** The PHA revalidation was completed on a timely basis.
- **Operating Procedures:** The operating procedures are reviewed as necessary to ensure that they reflect the current situation but require some improvements.



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 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@hdsd.cccounty.us



HAZARDOUS MATERIALS PROGRAMS

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