

Audit Summary

City of Antioch Water Treatment Plant
Antioch, 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 the City of Antioch Water Treatment Plant (AWTP) located at 401 Putnam Street, Antioch. This audit, conducted in the fall 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 AWTP, CCHMP reviews individual safety programs through answering up to 235 questions. The CCHSHMP 2017AWTP CalARP audit at AWTP resulted in 13 corrective actions for AWTP to implement, and roughly 20 other items that are not required, but may assist in improving accident prevention.

Based on our audit/inspection, the prevention programs generally meet the regulatory requirements. Identified below are some notable issues found, both good and bad.

Notable Items:

- **Contractor Safety:** Overall, AWTP was consistent with the use of specific contractors to maintain the ammonia and chlorine processes. However, documentation of contractor evaluations, including evaluation of contractor training requirements, was not adequately developed and maintained.
- **Emergency Response:** CCHSHMP noted that AWTP's emergency response program is generally maintained but include areas of improvement. Things of note include conducting monthly SCBA inspection per AWTP's policy and adequately documenting ICS training for AWTP employees.
- **Training:** CCHSHMP noted the regularly scheduled training topics were conducted and records maintained for both operation and maintenance employees.
- **Hazard Analysis:** AWTP's most recent PHA and associated studies addressed the relevant process hazards for the chlorine and ammonia processes.
- **Operating Procedures:** Facility needed to ensure that written procedures include regular maintenance and emergency situations and that procedures, emergency response and process safety information are consistent.



Additional Information

To review the complete safety audit report, visit the Antioch Library at 501 West 18th Street, Antioch, CA 94509 or call 925-335-3200 for an appointment to view the report at CCHSHMP's office.

For more information, questions, or comments regarding this facility or audit, please send an email to ARPTeam@CCHHealth.org

