

# Audit Summary

Linde  
Richmond, California

## Accident History:

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

## Introduction

Contra Costa Health Services Hazardous Materials Programs (CCHSHMP) conducted a comprehensive audit/inspection of the policies, and procedures developed by Linde located at 731 W Cutting Blvd., Richmond. 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.

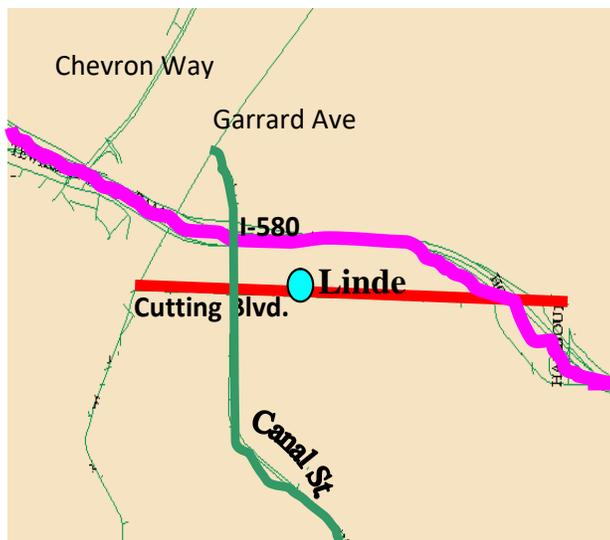
During a comprehensive CalARP audit for a facility like Linde, CCHSHMP reviews individual safety programs through answering up to 163 questions. The CCHSHMP 2017 CalARP audit at Linde resulted in 7 corrective actions for Linde to implement, and 8 other items that are not required, but may assist in accident prevention.

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

*\*As of March 22, 2019 the Linde Richmond Site no longer has ammonia on site and has been de-registered from the CalARP Program\**

## Notable Items:

- **Management:** Linde has an overall management system onsite to oversee the CalARP program. Linde also has a lot of regional and corporate support which was present during the audit to help ensure compliance with the CalARP regulations.
- **Self-Audit:** Linde has performed self-audits of the facility. However the facility needs to update their policies and practices so that action items are completed in the appropriate time frame.
- **Training:** Linde has a training program in place for their operators and maintenance personnel. Linde needs to ensure the appropriate documentation exists for those who have been operating since 1999.
- **Maintenance:** Linde has a maintenance program in place to insure the integrity and safe operation of their equipment and process, however the five year inspection was not completed and should be completed as soon as possible
- **Incident Investigation:** Linde has not had a serious release of regulated material, but has a process in place to investigate such an incident if it occurred.



## Additional Information

To review the complete safety audit report, visit the Richmond Libraries at 325 Civic Center Plaza Richmond, CA 94804 and 135 Washington Ave. Richmond, CA 94801 or call 925-335-3200 for an appointment to view the report at CCHSHMP's offices

For more information, questions, or comments regarding this facility or audit, please send an email to [hazmat.arpteam@cchealth.org](mailto:hazmat.arpteam@cchealth.org)

