

Solano County Environmental Health Services Division

VALERO BENICIA REFINERY COMMUNITY ADVISORY PANEL

COMMUNITY EDUCATION NIGHT

COLBY LAPLACE, SENIOR HAZARDOUS MATERIALS SPECIALIST



Certified Unified Program Agency (CUPA)

- A Certified Unified Program Agency (CUPA) is a local agency that is certified every three years by the California Environmental Protection Agency (CalEPA) to implement several state regulatory inspection initiatives, consolidate the enforcement of state and local hazardous materials and waste laws, and perform emergency response functions.
- In 1993, California Governor Pete Wilson signed California Senate Bill 1082, which established the CUPA program and Solano County's Hazardous Materials division which was recognized by Cal-EPA as having jurisdiction.
- Following the Richmond Chevron Refinery Crude Unit Fire on August 6, 2012, Governor Brown initiated the formation of the Interagency Refinery Task Force (IRTF) to draft regulations with input from others.
- The IRTF group is comprised of following agencies:
 - CUPA's with Refineries
 - Cal-OSHA Process Safety Group
 - Air Quality Management Districts
 - California Air Resources Board
 - Office of Emergency Services
 - Local Fire Agencies

Solano County Hazardous Materials Division

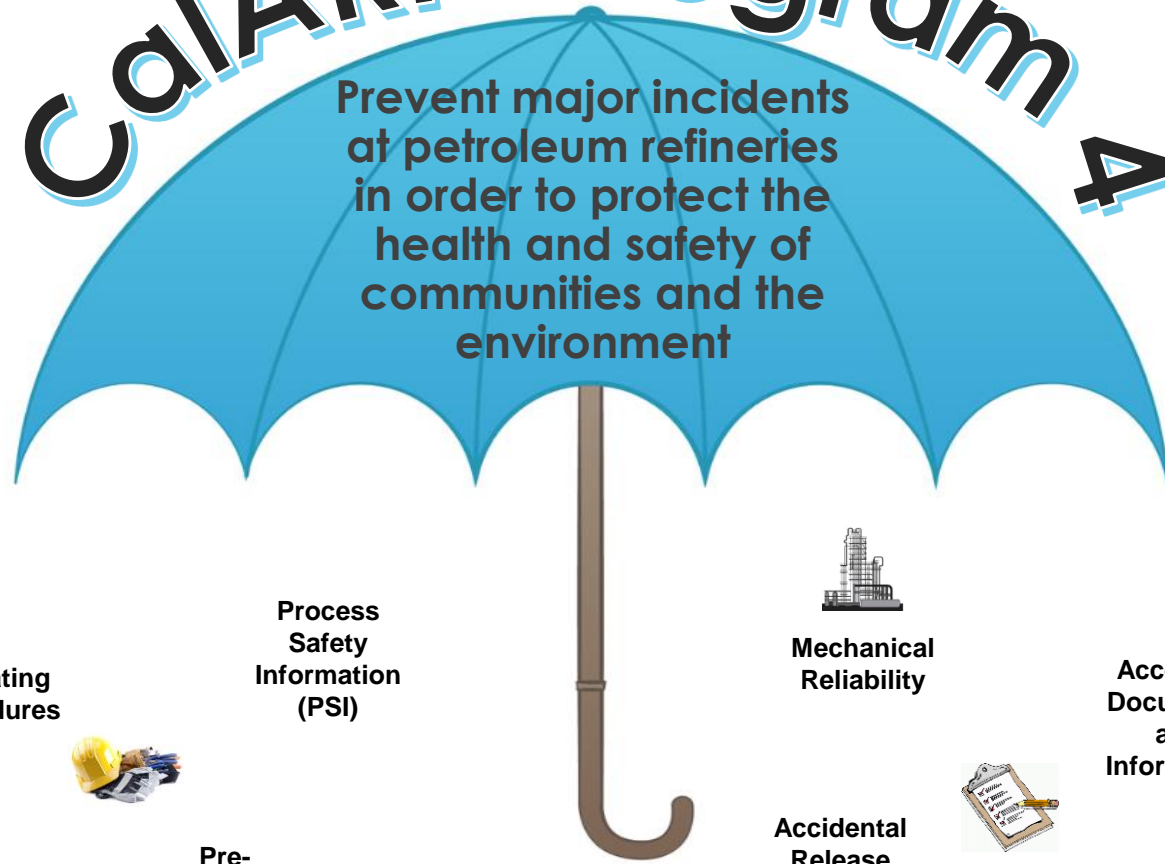
- Solano County CUPA develops *Guidance Documents* for stationary source facilities located within Solano County and implements the following 6 state regulatory inspection functions:
 - Hazardous Materials Business Plans
 - Hazardous Waste Generators
 - Underground Storage Tanks
 - Above Ground Petroleum Storage Tanks
 - CalARP Program
- Solano County CUPA inspects the Valero Refinery for all of these programs except HHW and files reports on each of these inspections. We also conduct audits, unannounced inspections & review Risk Management and Safety Plans
- Issue public reports regarding investigation reports, audits and plan reviews of stationary source facilities.
 - [City of Benicia Fire Department - Public Information Bank](#)
- Publish [Solano County's Hazardous Materials Business Plan \(HMBP\)](#) & Risk Assessment and Release Reporting
- Collaborate with Contra Costa County's [Community Awareness Emergency Response \(CAER\)](#), Community Warning System (CWS) and [Alert Solano](#) to provide cross-county timely release event notifications and information
- Perform public outreach at local events (eg: Benicia Peddler's Fair) and Solano County CUPA issues public reports regarding investigation reports, audits and plan reviews of stationary source facilities.

California Accident Release Prevention

- The California Accident Release Prevention (Cal ARP) Program was created to prevent accidental releases of substances that can cause serious harm to the public and the environment, to minimize the damage if releases do occur, and to satisfy community right-to-know laws.
- The program requires that stationary sources within the state of California create a system that is updated every three years for effective communication and implementation of safety, operations, maintenance, corrective actions, recommendations and findings.
- Cal ARP Program 4 is the fourth version of the ARP plan that received extensive pre-regulatory input from refinery representatives, labor unions, refinery leadership teams, non-governmental organizations, academic experts, federal, state, and local agencies, and the public.
- The first Solano County CUPA Program 4 inspection was conducted at the Valero Benicia Refinery in November 2017 and lasted until April 2018. We performed one on-site inspection per week and many documents reviewed on-site, too. No major violations were identified during this inspection.

CalARP Program

Prevent major incidents at petroleum refineries in order to protect the health and safety of communities and the environment



Process Hazard Analysis (PHA)



Process Safety Information (PSI)

Operating Procedures



Mechanical Reliability



Access to Documents and Information

Emergency Response Applicability



Safeguard Protection Analysis (SPA)



Hierarchy of Hazard Controls Analysis (HCA)

Management of Change (MOC)



Pre-Startup Safety Review (PSSR)



Compliance Audits

Accidental Release Prevention Program Management



Training



Employee Participation

Emergency Response Program



Process Safety Culture Assessment (PSCA)



Contractors



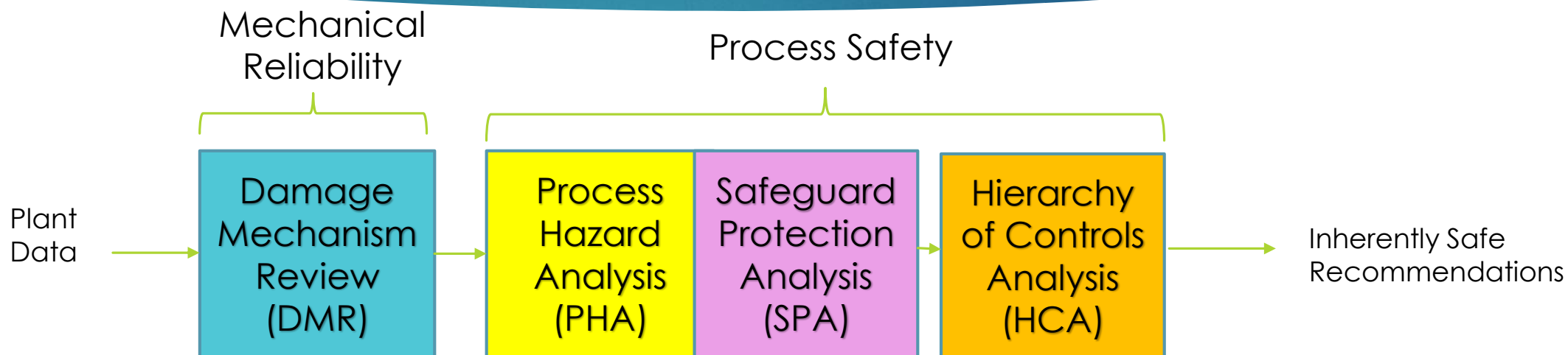
Hot Work Permit

Incident Investigation



Human Factors Program

CalARP Program 4 Compliance



Program 4 Compliance Requirements:

- ✔ ▶ DMR, PHA, SPA, and HCA- 50% completion by 3Q2020
- ✔ ▶ Human Factors in Procedures Reviews- 50% completion by 3Q2020
- ✔ ▶ Process Safety Culture Assessment- completion by 1Q2019
- ✔ ▶ Process Safety Information Reporting- yearly

A comprehensive CalARP Program 4 audit was conducted in 2017-2018.



Contact Information

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