

STANISLAUS COUNTY CUPA

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STATE AND FEDERAL UNANNOUNCED INSPECTIONS

- ✘ According to the Clean Air Act 112(r), USEPA has the right to conduct Compliance inspections of Stationary Sources under the RMP program. USEPA policy requires staff to prioritize inspections at "high risk" facilities. High risk facilities include:
- ✘ Large residential population within facility's worst-case scenario
- ✘ Vulnerable zone
- ✘ Facilities with history of significant accidental releases
- ✘ Facilities with large quantities of regulated substances held on-site
- ✘ USEPA also search for regulated facilities that have failed to submit the RMP, or failed to update their RMP as required by the rule
- ✘ In addition, USEPA may consider other factors such as geographic location or cluster, proximity to low-income residential areas, industry sector trends, and specific facility hazards or characteristics

STATE AND FEDERAL UNANNOUNCED INSPECTIONS

- ✘ Stanislaus County like any other county is mandated to oversee many programs on behalf of the State and Federal. State and Federal have the right to conduct inspections in our County as part of the multi-media inspections. The California Code of Regulations (CCR), Title 27, Section 15290 requires CUPAs to report information to CalEPA. Inspection and enforcement data is tracked for inclusion in the Annual Summary Report submitted to CalEPA.

PSM / RMP / CALARP WHO MUST COMPLY?

- ✘ *Facilities that have a process that contains above a threshold quantity of a State and Federal listed acutely hazardous material.*
- ✘ *For example, **anhydrous ammonia** is a listed chemical; threshold quantity is **10,000 pounds**. Ammonia in a refrigeration system is considered a "**process**." **Note:** In CA ammonia over 500 pounds in a refrigeration system is considered a "process"*

FEDERAL AND STATE'S UNANNOUNCED INSPECTIONS

- ✘ Integrated or multi-media inspection are inspection involving any unified program and non-unified program agencies and /or involving more than one environmental medium (i.e. Air, Water, Soil) of regulated business.
- ✘ The responsible State agencies for each program element are as follows:
- ✘ Business Plan- California Office of Emergency Services (CalOES)
- ✘ CalARP-CalOES
- ✘ UST-SWCRB
- ✘ APSA- CalEPA
- ✘ Hazardous Waste and TP-DTSC
- ✘ Hazardous Material Management Plans and Hazardous Materials Inventory Statement -Office of the State Fire Marshal (OSFM)

PSM / RMP / CALARP ELEMENTS OF PROGRAMS

- ✘ **REGISTRATION (RMP/CalARP Only)**
- ✘ **HAZARD ASSESSMENT (RMP/CalARP Only)**
- ✘ **PREVENTION PROGRAMS (PSM/RMP/CalARP)**
- ✘ **EMERGENCY RESPONSE PROGRAM (PSM/RMP/CalARP)**
- ✘ **DOCUMENTATION (PSM/RMP/CalARP)**

CALARP/RMP/PSM PERIODIC REQUIREMENTS

- ✘ Annual Review/Update
 - + Operating Procedures
 - + Emergency Action Plan/Emergency Response Plan
- ✘ 3-Years
 - + Refresher Training
 - + Compliance Audit
- ✘ 5-Years
 - + CalARP/RMP Submittal
 - + Hazardous Assessments
 - + PHA
 - + External Events (CA)

WHAT CUPA LOOKS FOR DURING AN AUDIT-INSPECTION

- + **Mechanical Integrity (PM Program) :**
 - ✘ The date of each inspection or test performed on ammonia equipment
 - ✘ The name of the person who performed the inspection or test
 - ✘ The serial number or other identifier of the equipment on which the inspection or test was performed
 - ✘ A description of the inspection or test performed
 - ✘ The results of the inspection or test
 - ✘ Actions taken to correct deficiencies
 - ✘ Data collected during normal daily walk including:
 - ✘ **Pressures**
 - ✘ **Temperatures**
 - ✘ **Levels**

WHAT CUPA LOOKS FOR DURING AN AUDIT-INSPECTION

- + **Management Systems**
- + **Accident History**
- + **Existing and Proposed Mitigation Measures**
- + **Offsite Consequence Analysis**
- + **Certification Statement signed by Plant Management**
- + **Process Safety Information:**
 - P&IDs
 - Relief or ventilation system design basis.
 - Material of Construction.
 - Detection, monitoring & safeguards.
 - Maximum intended inventory of vessels and system
 - Current material safety data sheets for the process chemicals.
- + **SOPs:**
 - Initial Startup
 - Normal Startup
 - Emergency Startup
 - Normal Operation
 - Normal Shutdown
 - Temporary / Emergency Operation
 - Emergency Shutdown
- + **Evidence of Implementation of All Safety Programs**

WHAT CUPA LOOKS FOR DURING AN AUDIT-INSPECTION

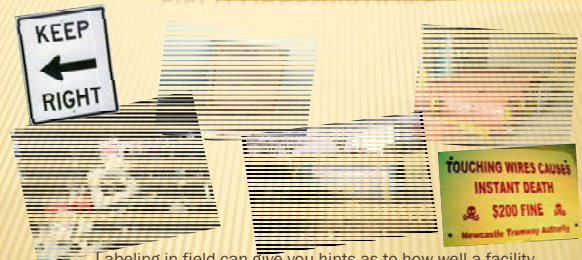
- + **Training:**
 - + **Initial**
 - + **Refresher**
- + **Emergency Response/Action Plan:**
 - ✘ escape procedures and routes
 - ✘ preferred means to report emergencies
 - ✘ alarm system(s)
 - ✘ chemical releases
 - ✘ Training
 - ✘ coordination with outside parties
 - ✘ personnel roles/ ICS (for ERP)
 - ✘ site security and control
 - ✘ Reporting procedures
 - ✘ PPE and emergency equipment.



WHAT CUPA LOOKS FOR DURING AN AUDIT-INSPECTION

- ✘ Latest PHA and schedule of completeness:
 - + A written schedule of when these actions are to be completed,
 - + Documentation to verify all PHA recommendations corrected prior to start-up of a new or modified process.
 - + Documentation to verify actions taken and their status communicated to employees
- ✘ **Management of Change, if you:**
 - ✘ Add new components to the process
 - ✘ Relocate or remove process components
 - ✘ Change operating parameters of the process
 - ✘ Replace existing components with components of different design
- ✘ Last two Compliance Audits and Schedule of completeness
- ✘ Calibration results of Ammonia Sensors

FIELD OBSERVATIONS



Labeling in field can give you hints as to how well a facility maintains PSI, implements their safe work practices, and/or conducts their hazard analyses or compliance audits.

ENFORCEMENT

- ✦ Penalties:
- ✦ \$2,000/day for violation of the CalARP program.
- ✦ \$25,000/day for knowingly violating the CalARP program.
- ✦ After reasonable notice of the violation by the AA, the SS owner/operator faces misdemeanor or imprisonment in County jail for one year if violation resulted in, or significantly contributed to, an emergency, including fire.

Depends on each jurisdiction