



ACCIDENTS HAPPEN, ARE YOU PREPARED?

By Leon Wirschem, Hazardous Incident Response Team



ACCIDENTS
HAPPEN



**CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM (CERS)
CONSOLIDATED EMERGENCY RESPONSE / CONTINGENCY PLAN**

Prior to completing this Plan, please refer to the INSTRUCTIONS FOR COMPLETING A CONSOLIDATED CONTINGENCY PLAN

A. FACILITY IDENTIFICATION AND OPERATIONS OVERVIEW

FACILITY ID # UPFP 212650	CERS ID 10390882	DATE OF PLAN PREPARATION/REVISION 12/22/2014
BUSINESS NAME (Same as Facility Name or DBA - Doing Business As) SD CNTY DEH HIRT Lab		
BUSINESS SITE ADDRESS 5570 Overland Ave, Ste 102		
BUSINESS SITE CITY San Diego	STATE CA	ZIP CODE 92123
TYPE OF BUSINESS (e.g., Painting Contractor) Emergency Response Lab		INCIDENTAL OPERATIONS (e.g., Fleet Maintenance)
THIS PLAN COVERS CHEMICAL SPILLS, FIRES, AND EARTHQUAKES INVOLVING: (Check all that apply)		
<input checked="" type="checkbox"/> 1. HAZARDOUS MATERIALS; <input checked="" type="checkbox"/> 2. HAZARDOUS WASTES		

B. INTERNAL RESPONSE

INTERNAL FACILITY EMERGENCY RESPONSE WILL OCCUR VIA: (Check all that apply)

1. CALLING PUBLIC EMERGENCY RESPONDERS (i.e., 9-1-1)
 2. CALLING HAZARDOUS WASTE CONTRACTOR
 3. ACTIVATING IN-HOUSE EMERGENCY RESPONSE TEAM

C. EMERGENCY COMMUNICATIONS, PHONE NUMBERS AND NOTIFICATIONS

Whenever there is an imminent or actual emergency situation such as an explosion, fire, or release, the Emergency Coordinator (or his/her designee when the Emergency Coordinator is on call) shall:

1. Activate internal facility alarms or communications systems, where applicable, to notify all facility personnel.
2. Notify appropriate local authorities (i.e., call 9-1-1).
3. Notify the California Emergency Management Agency at (800) 852-7350.

Before facility operations are resumed in areas of the facility affected by the incident, the emergency coordinator shall notify the California Department of Toxic Substances Control (DTSC), the local Unified Program Agency (UPA), and the local fire department's hazardous materials program that the facility is in compliance with requirements to:

1. Provide for proper storage and disposal of recovered waste, contaminated soil or surface water, or any other material that results from an explosion, fire, or release at the facility; and
2. Ensure that no material that is incompatible with the released material is transferred, stored, or disposed of in areas of the facility affected by the incident until cleanup procedures are completed.

INTERNAL FACILITY EMERGENCY COMMUNICATIONS OR ALARM NOTIFICATION WILL OCCUR VIA: (Check all that apply)

1. VERBAL WARNINGS; 2. PUBLIC ADDRESS OR INTERCOM SYSTEM; 3. TELEPHONE;
 4. PAGER; 5. ALARM SYSTEM; 6. PORTABLE RADIO

NOTIFICATIONS TO NEIGHBORING FACILITIES THAT MAY BE AFFECTED BY AN OFF-SITE RELEASE WILL OCCUR BY: (Check all that apply)

1. VERBAL WARNINGS; 2. PUBLIC ADDRESS OR INTERCOM SYSTEM; 3. TELEPHONE;
 4. PAGER; 5. ALARM SYSTEM; 6. PORTABLE RADIO

EMERGENCY RESPONSE PHONE NUMBERS:

AMBULANCE, FIRE, POLICE AND CHP	9-1-1
CALIFORNIA EMERGENCY MANAGEMENT AGENCY (CAL/EMA)	(800) 852-7550
NATIONAL RESPONSE CENTER (NRC)	(800) 424-8802
POISON CONTROL CENTER	(800) 222-1222
LOCAL UNIFIED PROGRAM AGENCY (UPA/CUPA)	
OTHER (Specify):	

NEAREST MEDICAL FACILITY / HOSPITAL NAME: **Kaiser Zion** (619) 528-5000

AGENCY NOTIFICATION PHONE NUMBERS:

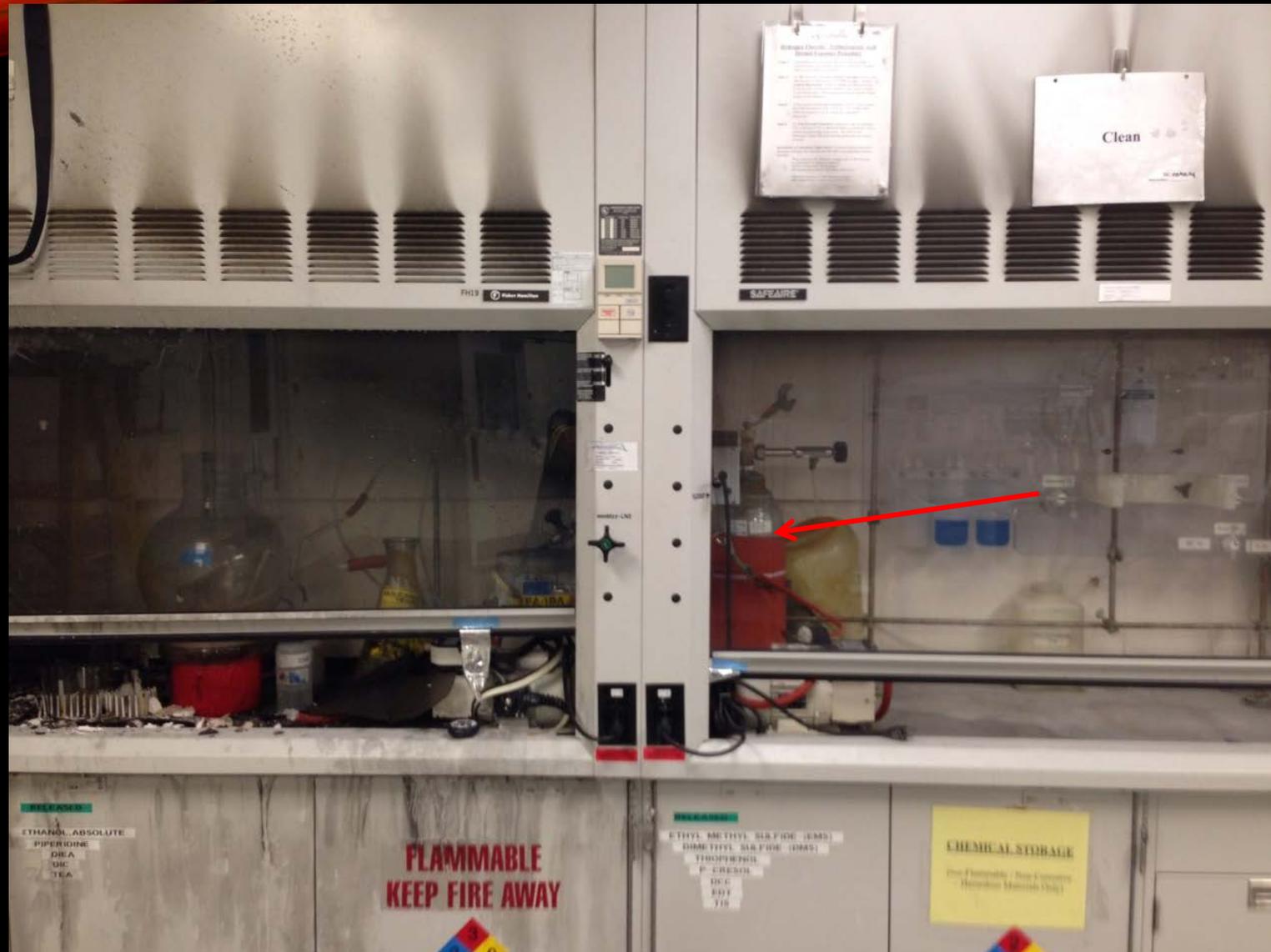
CALIFORNIA DEPT. OF TOXIC SUBSTANCES CONTROL (DTSC)	(916) 255-3545
REGIONAL WATER QUALITY CONTROL BOARD	
U.S. ENVIRONMENTAL PROTECTION AGENCY (US EPA)	(800) 300-2193
CALIFORNIA DEPT OF FISH AND GAME (DFG)	(916) 358-2900
U.S. COAST GUARD	(202) 267-2180
CAL/OSHA	(916) 263-2800
STATE FIRE MARSHAL	(916) 445-8200
OTHER (Specify):	
OTHER (Specify):	

HAVE AN EMERGENCY RESPONSE PLAN!

FIRES



Hot plate, resin container, waste containers



HF in hood on right



HF

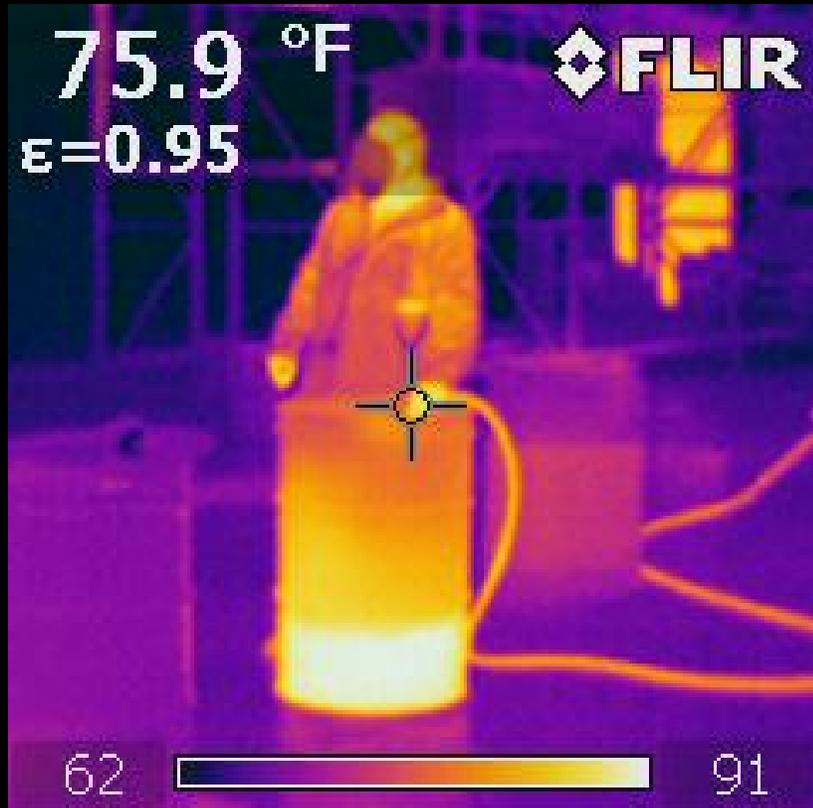
G. EMERGENCY EQUIPMENT

Check all boxes that apply to list emergency response equipment available at the facility and identify the location(s) where the equipment is kept and the equipment's capability, if applicable. [e.g., CHEMICAL PROTECTIVE GLOVES | Spill response kit | One time use, Oil & solvent resistant only.]

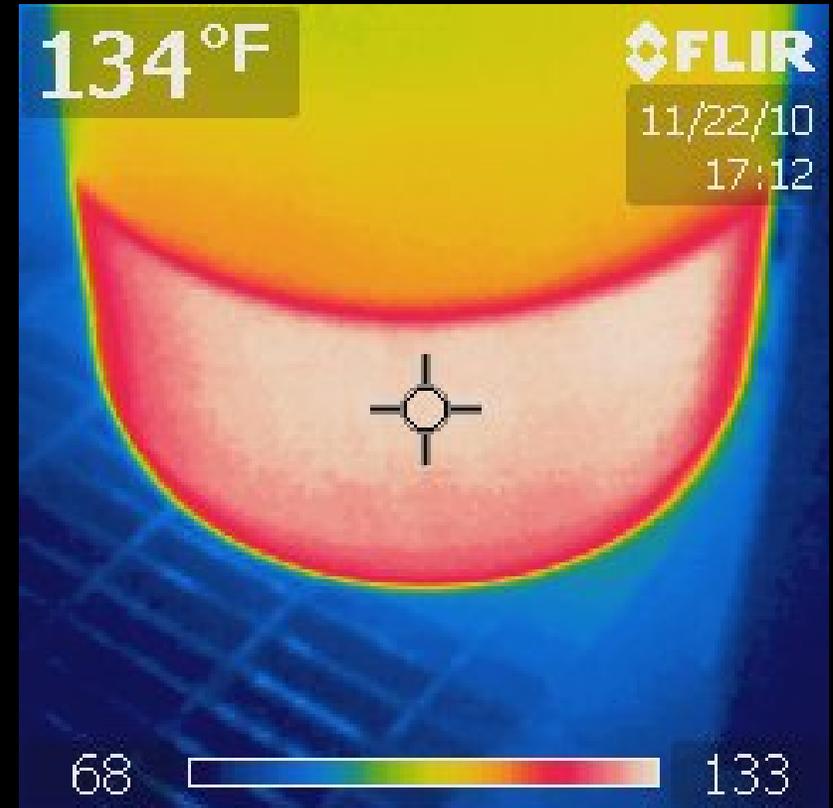
TYPE	EQUIPMENT AVAILABLE ^{G1}	LOCATION	CAPABILITY <i>(If applicable)</i>
Safety and First Aid	1. <input checked="" type="checkbox"/> CHEMICAL PROTECTIVE SUITS, APRONS, OR VESTS	G2	G3
	2. <input checked="" type="checkbox"/> CHEMICAL PROTECTIVE GLOVES	G4	G5
	3. <input checked="" type="checkbox"/> CHEMICAL PROTECTIVE BOOTS	G6	G7
	4. <input checked="" type="checkbox"/> SAFETY GLASSES / GOGGLES / SHIELDS	G8	G9
	5. <input checked="" type="checkbox"/> HARD HATS	G10	G11
	6. <input checked="" type="checkbox"/> CARTRIDGE RESPIRATORS	G12	G13
	7. <input checked="" type="checkbox"/> SELF-CONTAINED BREATHING APPARATUS (SCBA)	G14	G15
	8. <input checked="" type="checkbox"/> FIRST AID KITS / STATIONS	G16	G17
	9. <input checked="" type="checkbox"/> PLUMBED EYEWASH FOUNTAIN / SHOWER	G18	G19
	10. <input checked="" type="checkbox"/> PORTABLE EYEWASH KITS	G20	G21
	11. <input checked="" type="checkbox"/> OTHER	G22	G23
	12. <input checked="" type="checkbox"/> OTHER	G24	G25
Fire Fighting	13. <input checked="" type="checkbox"/> PORTABLE FIRE EXTINGUISHERS	G26	G27
	14. <input type="checkbox"/> FIXED FIRE SYSTEMS / SPRINKLERS / FIRE HOSES	G28	G29
	15. <input type="checkbox"/> FIRE ALARM BOXES OR STATIONS	G30	G31
	16. <input type="checkbox"/> OTHER	G32	G33
Spill Control and Clean-Up	17. <input type="checkbox"/> ALL-IN-ONE SPILL KIT	G34	G35
	18. <input checked="" type="checkbox"/> ABSORBENT MATERIAL	G36	G37
	19. <input checked="" type="checkbox"/> CONTAINER FOR USED ABSORBENT	G38	G39
	20. <input checked="" type="checkbox"/> BERMING / DIKING EQUIPMENT	G40	G41
	21. <input checked="" type="checkbox"/> BROOM	G42	G43
	22. <input checked="" type="checkbox"/> SHOVEL	G44	G45
	23. <input type="checkbox"/> SHOP VAC	G46	G47
	24. <input checked="" type="checkbox"/> EXHAUST HOOD	G48	G49
	25. <input type="checkbox"/> EMERGENCY SUMP / HOLDING TANK	G50	G51
	26. <input checked="" type="checkbox"/> CHEMICAL NEUTRALIZERS	G52	G53
	27. <input checked="" type="checkbox"/> GAS CYLINDER LEAK REPAIR KIT	G54	G55
Communications and Alarm Systems	28. <input checked="" type="checkbox"/> SPILL OVERPACK DRUMS	G56	G57
	29. <input type="checkbox"/> OTHER	G58	G59
	30. <input checked="" type="checkbox"/> TELEPHONES (Includes cellular)	G60	G61
	31. <input type="checkbox"/> INTERCOM / PA SYSTEM	G62	G63
	32. <input checked="" type="checkbox"/> PORTABLE RADIOS	G64	G65
	33. <input type="checkbox"/> AUTOMATIC ALARM CHEMICAL MONITORING EQUIPMENT	G66	G67
	34. <input type="checkbox"/> OTHER	G68	G69
Other	35. <input type="checkbox"/> OTHER	G70	G71

HAVE THE EQUIPMENT AND FIRST AID SUPPLIES YOU NEED!

INCOMPATIBLES

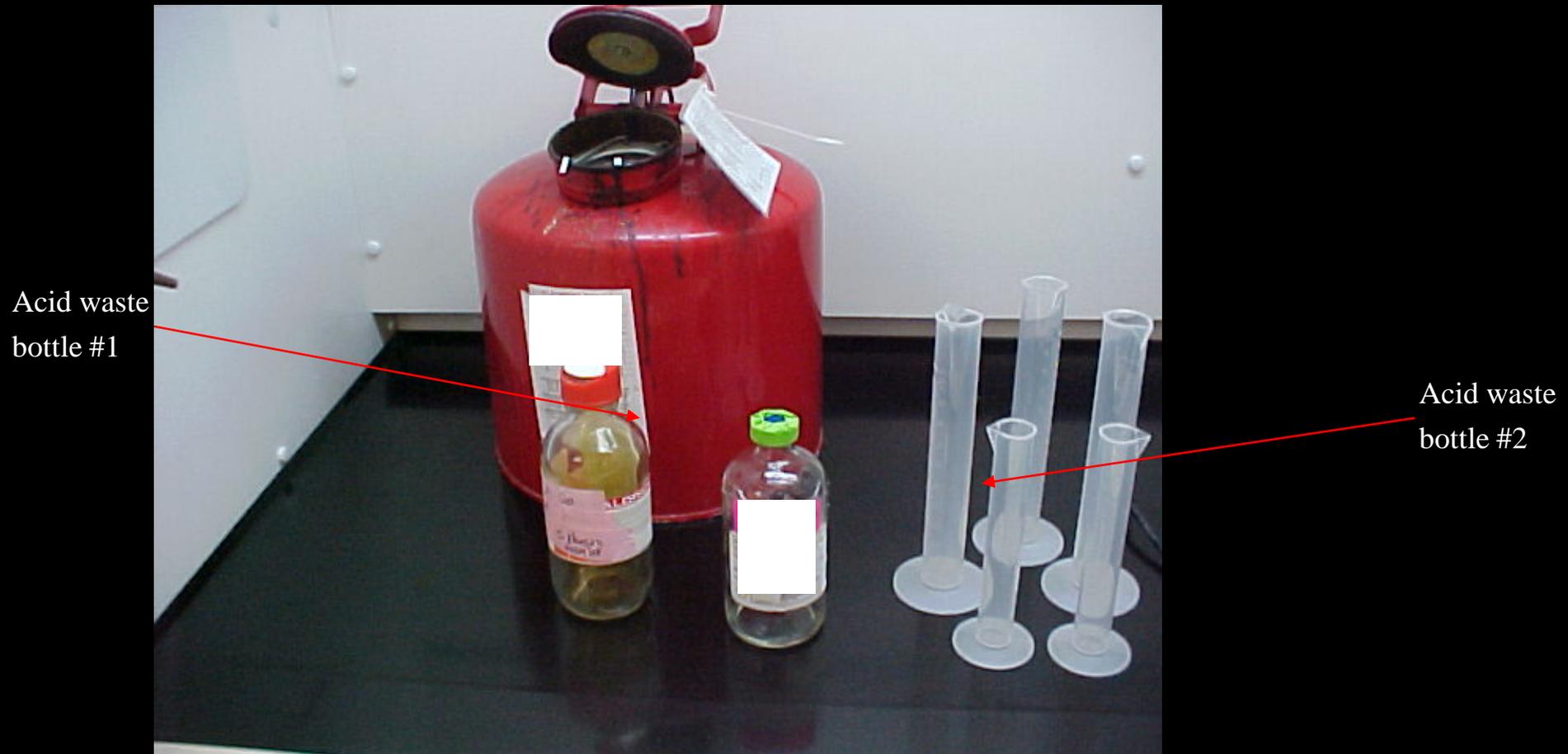


Oxidizer & Food Grade product



H₂O₂ & NaOH

The importance of proper labeling



The two acid wastes shown in front of the hazardous waste red safety can were poured into the red safety can which had a label attached on the container handle indicating the contents was waste ethyl alcohol.

Acid waste
bottle #1



Acid waste
bottle #2

The two acid wastes shown were poured into the hazardous waste red safety can labeled ethyl alcohol

HAVE A TRAINING PROGRAM

I. EMPLOYEE TRAINING

Explanation of Requirement: Employee training is required for all employees handling hazardous materials and hazardous wastes in day-to-day or clean-up operations including volunteers and/or contractors. Training must be:

- Provided within 6 months for new hires;
- Amended as necessary prior to change in process or work assignment;
- Given upon modification to the Emergency Response / Contingency Plan, and updated/refreshed annually for all employees.

Required content includes all of the following:

- Material Safety Data Sheets;
- Hazard communication related to health and safety;
- Methods for safe handling of hazardous substances;
- Fire hazards of materials / processes;
- Conditions likely to worsen emergencies;
- Coordination of emergency response;
- Notification procedures;
- Applicable laws and regulations;
- Communication and alarm systems;
- Personal protective equipment;
- Use of emergency response equipment (e.g. Fire extinguishers, respirators, etc.);
- Decontamination procedures;
- Evacuation procedures;
- Control and containment procedures;
- UST monitoring system equipment and procedures (if applicable).

INDICATE HOW EMPLOYEE TRAINING PROGRAM IS ADMINISTERED (Check all that apply)

11.

1. FORMAL CLASSROOM; 2. VIDEOS; 3. SAFETY / TAILGATE MEETINGS;

4. STUDY GUIDES / MANUALS (Specify): _____ I2.

5. OTHER (Specify): self familiarization _____ I3.

6. NOT APPLICABLE BECAUSE FACILITY HAS NO EMPLOYEES

DO YOUR EMPLOYEES KNOW WHAT THEY ARE SUPPOSED TO DO?

Chemical Incident Response - Decision Logic

Key Information

- Container label is legible
- MSDS available

- No injuries
- Low reactivity
- Low flammability
- Familiar quantity
- No fire
- Low volatility
- Not a strong oxidizer

- I feel comfortable enough, to deal with this situation.
- I am trained in proper protective equipment use.
- I am trained how to use spill control equipment.
- All the right equipment is available to me here and now.

Ask yourself

Do I know what this substance is?

NO

YES

Is this release small enough to manage myself?

NO

YES

Can this chemical be contained or isolated safely?

NO

YES

Get Help!
This is not a "Simple" Spill

Follow your campus emergency response procedures. This could involve:

- Pull Alarm
- Evacuate
- Call 911
- Call your campus Environmental, Safety, or Facilities Management department

This is a "Simple" spill
I can clean it up myself,
within my normal
workday.

ABANDONED WASTES



View of some of the 1500+ hazardous waste containers sorted outside.



Lecture bottles of compressed gases, hazardous waste.



Mezzanine area with the chemicals in plastic trays and boxes.

ABANDONED WASTES



- Business owner abandoned hundreds of containers of chemical waste inside their biotechnology research business in Sorrento Valley and filed for bankruptcy. The waste consisted of characteristic and listed hazardous waste. US EPA's Emergency Response Unit responded and packaged/removed the hazardous waste from the business to protect public health and safety.
- Asgard Associates (another company of Dr. M. Conrad) pled guilty to one felony count of illegal storage of hazardous waste for the abandoned research lab on Roselle Street. Company Aries could not enter into a plea agreement because they are in bankruptcy. As per the plea agreement, DEH will be getting back all costs associated with your response to this incident Sentencing is scheduled for September 17.

NEWS RELEASE



***OFFICE OF THE UNITED STATES ATTORNEY
SOUTHERN DISTRICT OF CALIFORNIA
San Diego, California***

*United States Attorney
Laura E. Duffy*

For Further Information, Contact:

Assistant U.S. Attorney Melanie K. Pierson (619) 546-7976

For Immediate Release

CHEMICAL POLLUTER CONVICTED IN MASSIVE SCHEME TO DECEIVE THE E.P.A.

To avoid losing his federal contracts, the defendant pretended his brother was dead and manufactured fictitious emails, all to distance himself from his hazardous waste crimes

NEWS RELEASE SUMMARY – July 1, 2015



HAS FACILITY EXPANSION,
CLOSURE AND RELOCATION
BEEN ADDRESSED WITHIN YOUR
HAZARDOUS MATERIALS
BUSINESS PLAN?

TRAIN & PRACTICE

