

1. Incident Name Valley Fire	2. Operational Period to be covered by IAP (Date/Time) From: 16 OCT 15/ 0730 To: 17 OCT 15/ 0730	CG IAP COVER SHEET
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3. Approved by Incident Commander(s):

ORG U.S. EPA	NAME <i>Brook Moxley</i>	FOSC
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

INCIDENT ACTION PLAN

The items checked below are included in this Incident Action Plan:

- ☐ ICS 202-CG (Incident Objectives)
- ☐ ICS 202A-CG (Command Direction)
- ☐ ICS 203-CG (Organization List) – OR – ICS 207-CG (Organization Chart)
- ☐ ICS 204-CGs (Assignment Lists)
One Copy each of any ICS 204-CG attachments:
- ☐ ICS 205-CG (Communications Plan)
- ☐ ICS 206-CG (Medical Plan)
- ☐ ICS 208-CG (Site Safety Plan) or Note SSP Location
- ☐ Map / Chart
- ☐ Weather Forecast / Tides/Currents

Other Attachments

- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

4. Prepared by:
Fields, Judah PSC/ USCG

Date/Time
15 OCT 15/ 0900

1. Incident Name Valley Fire		2. Operational Period (Date/Time) From: 0730 16Oct15 To: 730 17Oct15		ORGANIZATION ASSIGNMENT LIST ICS 203-CG																																																																																														
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1. Incident Name Valley Fire ER		2. Operational Period (Date/Time) From :October 16, 2015/0730 To: October 17, 2015/0730		Assignment List ICS 204-CG																	
3. Branch Operations		4. Division/Group/Staging																			
5. Operations Personnel																					
	Name	Affiliation	Contact # (s)																		
Operations Section Chief:	Paul Jones	USCG	415-720-4171																		
Deputy Operations Section Chief:	Rick Mehl	Weston	847-254-6981																		
Branch Director:																					
Deputy Branch Director:																					
Division/Group Supervisor/STAM:																					
Strike Team/Task Force/Resource Identifier	Leader	Contact Info. #	# Of Persons	Reporting Info/Notes/Remarks	↓																
Strike Team A- START	Ryle Yopps	775-842-2121	3		<input type="checkbox"/>																
Strike Team B- START	Anne Lawrence	619-990-7294	3		<input type="checkbox"/>																
Strike Team C- START	Tanner Hess	224-500-5430	3		<input type="checkbox"/>																
Strike Team D START	Jon Colomb	773-947-4064	2		<input type="checkbox"/>																
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7. Work Assignments Conduct assessment of properties for organic vapors and radiation in advance of HHW collection Teams. Strike Team A will assess properties in the Cobb area. Strike Team B will assess properties in the Middletown. Strike Team C will assess properties in the Middletown area. Strike Team D. Strike Team B will assess properties in the Hidden Valley Lake area. Document house hold hazardous waste (HHW) collected from each assessed property. Strike Team A will document HHW at properties in the Cobb area. Strike Team B will collect HHW in the Middletown/Hidden Valley Lake area. Strike Team C will document HHW at properties in the Middletown area. Strike Team D will collect HHW in the Hidden Valley Lake area.																					
8. Special Instructions Mark "E" at the property entrance at completion of HHW collection to indicate that the site has been cleared of HHW.																					
9. Communications (radio and/or phone contact numbers needed for this assignment) <table style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 30%; text-align: left;"><u>Assignment</u></th> <th style="width: 20%; text-align: left;"><u>Channel Name</u></th> <th style="width: 20%; text-align: left;"><u>Frequency (Tx)</u></th> <th style="width: 30%; text-align: left;"><u>Phone</u></th> </tr> <tr> <td>_____</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>_____</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>_____</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> </table> Emergency Communications Medical _____ Evacuation _____ Other _____						<u>Assignment</u>	<u>Channel Name</u>	<u>Frequency (Tx)</u>	<u>Phone</u>	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
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_____	_____	_____	_____																		
10. Prepared by: _____		11. Reviewed by (PSC): _____		12. Reviewed by (OSC): _____																	

ASSIGNMENT LIST (ICS 204-CG)

1. Incident Name Valley Fires		2. Operational Period (Date/Time) From: 10/16 07:30 To: 10/17 07:30		Assignment List ICS 204-CG	
3. Branch: Operations		4. Division/Group/Staging: EPA - ERRS			
5. Operations Personnel		Name		Affiliation Contact # (s)	
Operations Section Chief: Randy Nattis		Division/Group Supervisor/STAM: Peter Lawrence			
Strike Team/Task Force/Resource Identifier		Leader	Contact Info. #	# Of Persons	Reporting Info/Notes/Remarks
Task Force 002 A		RM Jerry Wade	503.953.5263		<input type="checkbox"/>
Crew A 1		Randy Rhodes	360.431.9368		Greg Reed 707-384-9681 Elvedin Beslagic <input type="checkbox"/>
Crew A 2		Jamie Munzo	510.258.7692		Miguel Ramirez 510-407-1518 Galdino Espanoza 510-407-1518 <input type="checkbox"/>
Crew A 3		Rock Washburn	510-934-7522		Steve Ward 707-262-2289 Hector Delgado 510-253-4719 <input type="checkbox"/>
					<input type="checkbox"/>
Task Force 002 B		Gary Wofford	714.269.5979		<input type="checkbox"/>
Crew B 1		Louis Burley	626.419.5970		Edward Nash 916-889-3556 Chris Lucas 707-761-6934 <input type="checkbox"/>
Crew B 2		Osbert Ayeni-Aarons	916-236-9139		Robert Daniel 209-652-4456 Michael Williams 916-604-0776 <input type="checkbox"/>
Crew B 3		Terrance Harris	310-292-8468		Jeff Saddleburg 916-539-3366 James Johnson 510-563-7517 <input type="checkbox"/>
Task Force 002 C		Jim Brenkendorff	720-202-9542		<input type="checkbox"/>
Crew C 1		Tyler Edwards	423.943.2187		Marvin Young 415-374-5538 Frederick Lykes 702-272-7922
Crew C 2		Thaun Ngo	253.278.5610		Alex Gilbert 916-241-5378
Crew C 3		Ryan Seher	916-533-4932		Marco Madrigal 916-272-8510 Benjamin McGhee 916-272-9949
General Ops (Facilities)		Peter Lawrence	415.793.5942	7	
7. Work Assignments Ensure the safety of response personnel and the public. Operate all activities with respect for residents and the community. Insure proper communication between Recovery Teams and managing interagency Command. Identify, characterize, and recover all household hazardous waste to include pressurized containers. Ensure proper handling, packaging, labeling, marking, transportation and disposal of recovered HHW. Identify areas with asbestos and collect samples accordingly for health and safety purposes of field operators. Establish an informational transfer process to facilitate communications with stakeholders and organizations.					
8. Special Instructions					
9. Communications (radio and/or phone contact numbers needed for this assignment)					
Assignment		Channel Name		Frequency (Tx) Phone	
Emergency Communications Medical _____ Evacuation _____ Other _____					
10. Prepared by:		Date/Time		11. Reviewed by (PSC): Date/Time	
				12. Reviewed by (OBC): Date/Time	

EPA Household Hazardous Waste Field Markings

- **Green paint – Empty/No Hazard**
- **Orange paint – Unknown/Potentially Hazardous**
- **Green Stripes on Cylinders – Empty and Safe to Transport**
- **Orange Stripes on Cylinders – Unknown/Potentially Hazardous and Leave for High Hazardous Team**
- **() – Property Surveyed**
- **(E) – Property Cleared for HHW**
- **Red Stripe on Tree – Hazardous/Site Access Restricted**
- **White Stripe on Tree – Individuals Should Exhibit**

Caution

COMMUNICATIONS LIST (ICS 205A)

1. Incident Name: Valley Fire	<div style="display: flex; justify-content: space-between;"> <div> 2. Operational Period: Date From: 10/16/2015 Time From: 0730 </div> <div> Date To: 10/17/2015 Time To: 0730 </div> </div>	
3. Basic Local Communications Information:		
Incident Assigned Position	Name (Alphabetized)	Method(s) of Contact (phone, pager, cell, etc.)
EPA OSC	Moxley, Brett	(415) 971-7720
EPA OSC	Nattis, Randy	(415) 940-1108
EPA OSC	Waldon, Maggie	(415) 940-1109
EPA OSC	Zuroski, Donn	(415) 971-6829
EPA OSC	Calanog, Steve	(415) 595-8350
USCG – Operations Chief	Jones, Paul	(415) 720-4171
USCG – Planning Chief	Fields, Judah	(415) 559-9985
USCG – SOFR	Renken, Kenneth	(415) 302-7964
USCG - SITL	Caraway, Katy	(415) 720-4170
USCG - ASOF	Cruz, Pedro	(415) 720-4182
OPS - Weston	Mehl, Rick	(847) 254-6981
OPS - ERRS	Lawrence, Peter	(415) 793-5942
START Strike Team A Lead	Yopps, Ryle	(775) 842-2121
OPS	Younie, Ashlee	(775) 830-4252
OPS	Armento, Wendy	(907) 230-7629
OPS	Cook-Gutierrez, Kevin	(530) 680-6265
OPS	Martinez, Alex	(408) 701-7002
START Strike Team C Lead	Lawrence, Anne	(619) 990-7294
START Strike Team B Lead	Hess, Tanner	(224) 500-5430
Planning	Villanueva, Rivian	(925) 584-1318
Planning	Dutt, Raj	(972) 743-5690
Planning	Bruce, Ian	(509) 845-5547
EPA – Community Involvement	Caffaso, Sarah	(415) 972-3076
Lake County Director	Chavez, Caroline	(707) 262-1618
Lake Co. Environmental Health	Bennett, Cheryl	(707) 349-1796
Building Inspector	Holleran, Brandon	(707) 263-2382
Lake Co. Hazardous Spec.	Love, Teale	(707) 349-7880
Cal OES Coordinator	Stehr, Melinda	(916) 265-8205
KCSC Consulting - Safety	Stuart, Kenneth	(916) 221-1946
Cal Recycle – Waste Mgt.	Thalhamer, Todd	(916) 341-6356
ERRS Task Force 002A Lead	Wade, Jerry	(503) 953-5263
ERRS Crew A1 Lead	Rhodes, Randy	(360) 431-9368

EERS Crew A2 Lead	Munzo, Jamie	(510) 258-7692
EERS Crew A3 Lead	Washburn, Rock	
4. Prepared by: Name: Fields, Judah Position/Title: PSC Signature: _____		
ICS 205A	IAP Page	Date/Time: 10/15/2015 0900

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Assignment	Name	Method(s) of contact (radio frequency, phone, pager, cell #(s), etc.)			
Task Force 002B Lead	Wofford, Gary	(714) 269-5979			
EERS Crew B1 Lead	Burley, Louis	(626) 419-5970			
EERS Crew B2 Lead	Ngo, Thaun	(253) 278-5610			
EERS Crew B3 Lead	Ayeni-Aarons, Osbert	(916) 236-9139			
Task Force 002C Lead	McManamy, Ron	(206) 276-1935			
EERS Crew C1 Lead	Edwards, Tyler	(423) 943-2187			
EERS Crew C2 Lead	Seher Ryan	(916) 533-4932			
Gen. Ops (Facilities)	Lawrence, Peter	(415) 793-5942			
High Hazard Team	Britton, Denise	(530) 624-8403			
High Hazard Team	Reiner, Chris	(415) 971-6911			
CA DFW (GIS)	Rankin, Daniel	(916) 327-0716			
CA DFW (GIS)	Muskat, Judd	(916) 216-1301			
SAT Phone A	N/A	8816-5142-2463			
SAT Phone B	N/A	8816-2145-4975			
SAT Phone C	N/A	8816-2344-4546			
Planning	Hunt, Susan	(425) 971-8149			
Task Force 2C Crew C1	Lykes, Frederick	(702) 272-7922			
Task Force 2A Crew A1	Reed, Greg	(707) 384-9681			
Task Force 2B Crew B2	Gilbert, Alex	(916) 241-5378			
Task Force 2C Crew C1	Young, Marvin	(415) 374-5538			
Task Force 2A Crew A2	Espanoza, Galdino	(510) 407-1518			
Task Force 2A Crew A2	Ramirez, Miguel	(510) 407-1518			
Task Force 2B Crew B1	Delgado, Hector	(510) 253-4719			
OPS	Harris, Terrance	(310) 292-8468			
Task Force 2B Crew B1	Nash, Edward	(916) 889-3556			
OPS	Saddleburg, Jeff	(916) 539-3366			
OPS	Daniel, Robert	(209) 652-4456			
OPS	Williams, Michael	(916) 604-0776			
Task Force 2C Crew C2	Madrigal, Marco	(916) 272-8510			
Task Force 2C Crew C2	McGhee, Benjamin	(916) 272-9949			
Task Force 2A Crew A3	Ward, Steve	(707) 262-2289			
4. Prepared by: (Communications Unit)			Date / Time		
COMMUNICATIONS LIST			ICS 205a-CG (Rev. 07/04)		

[illegible]

[illegible]

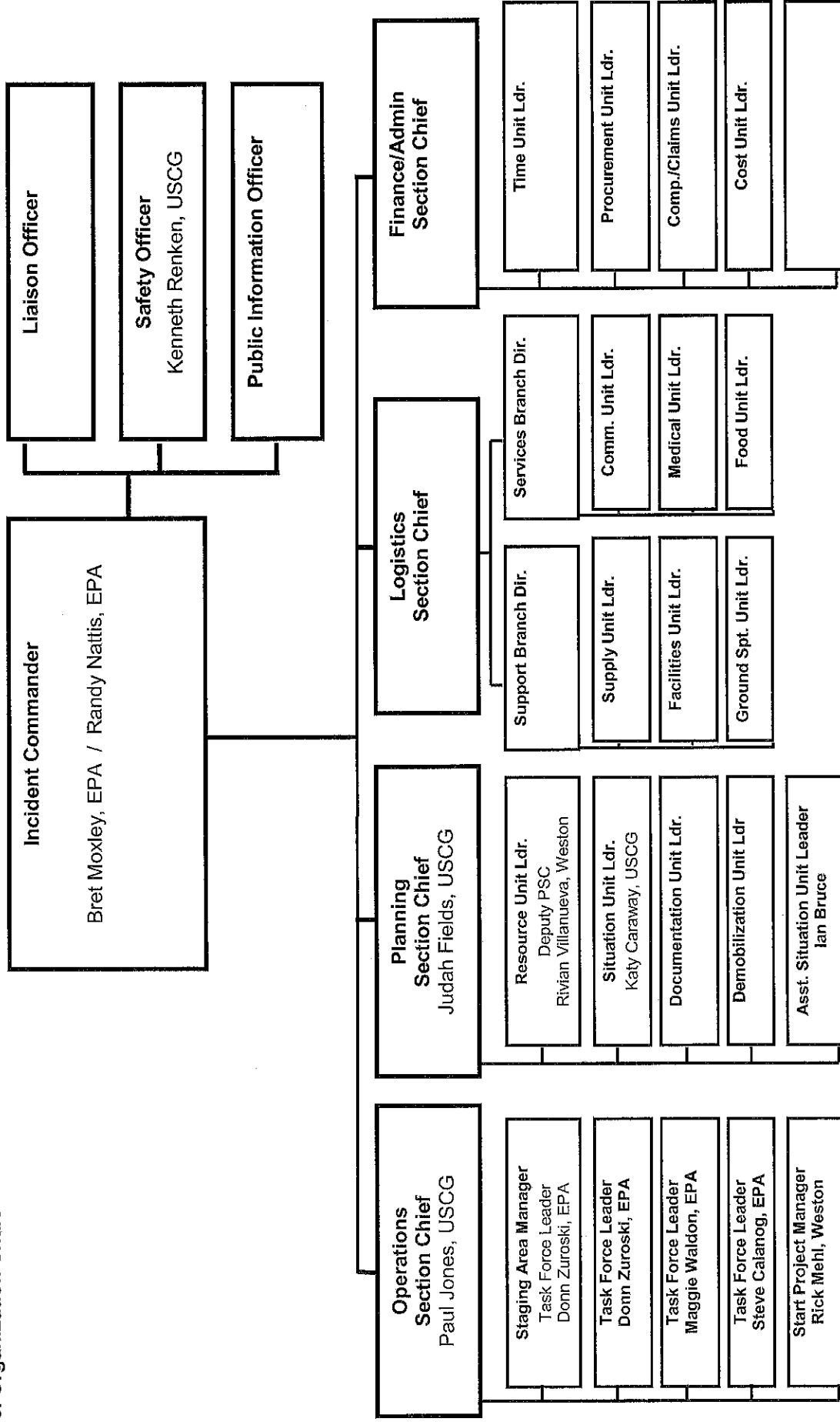
INCIDENT ORGANIZATION CHART (ICS 207)

1. Incident Name:
Valley Fire

2. Operational Period: Date From: 10/16/2015
Time From: 0730

Date To: 10/17/2015
Time To: 0730

3. Organization Chart



ICS 207

IAP Page

4. Prepared by:

Name: Fields, Judah

Position/Title: PSC/ USCG

Signature:

Date/Time: 16Oct15 0900

Site Safety and Health Plan ICS-208-CG (rev 4/15)

Incident Name: Vallev Fire Date/Time Prepared: 15Oct15/1000 Operational Period: 16Oct15/0730 – 17Oct15/0730

Purpose. The ICS Compatible Site Safety and Health Plan is designed for safety and health personnel that use the Incident Command System (ICS). It is compatible with ICS and is intended to meet the requirements of the Hazardous Waste Operations and Emergency Response regulation (Title 29, Code of Federal Regulations, Part 1910.120). The plan avoids the duplication found between many other site safety plans and certain ICS forms. It is also in a format familiar to users of ICS. Although primarily designed for oil and chemical spills, the plan can be used for all hazard situations. Changes: The only change to this form since 2006 is added Emergency Site Non-Hazardous Assessment form (SSP-A2).

Questions on the document should be addressed to the Coast Guard Office of Contingency Preparedness and Exercise Policy (CG-CPE):

Table of Forms

[illegible]

* Required only if function or equipment is used during a response

EMERGENCY SAFETY and RESPONSE PLAN		1. Incident Name Valley Fire		2. Date/Time Prepared 15Oct15/ 1000		3. Operational Period 15Oct15 – 16Oct15		4. Attachments: Attach MSDS for each Chemical:							
5. Organization IC/UC:		Safety: Judah Fields		Entry Team: N/A		Backup Team: N/A		Decon Team: N/A							
IC		Div/Group Supv:													
6.a. Physical Hazards and Protection		6.b. Confined Space <input type="checkbox"/> Noise <input type="checkbox"/> Heat Stress <input checked="" type="checkbox"/> Cold Stress <input type="checkbox"/> Electrical <input checked="" type="checkbox"/> Animal/Plant/Insect <input checked="" type="checkbox"/> Ergonomic <input checked="" type="checkbox"/> Ionizing Rad <input checked="" type="checkbox"/> Slips/Trips/Falls <input checked="" type="checkbox"/> Struck by <input checked="" type="checkbox"/> Water <input type="checkbox"/> Violence <input checked="" type="checkbox"/> Excavation <input type="checkbox"/> Biomedical waste and/or needles <input checked="" type="checkbox"/> Fatigue <input checked="" type="checkbox"/> Other (specify)													
6.c. Tasks & Controls	6d Entry Permit	6.e. Ventilate	6f. Hearing Protection	6g. Shoes (type)	6h. Hard Hats	6i. Clothing (cold wx)	6j. Life Jacket	6l. Work/Rest (hrs)	6.m. Fluids (amt/time)	6.n. Signs & Barricade	6.p. Fall Protect	6.q. Post Guards	6.r. Flash Protect	6.s. Work Gloves	6.t. Other
Site Assessment				Safety boots	As needed			12/12	4 cups/hr					X	
HHW Removal				Safety boots	As needed			12/12	4 cups/hr	X				X	
HHW Disposal				Safety boots	X			12/12	4 cups/hr	X		X		X	
Site Security				Safety boots				12/12	As needed	X		X			
7.a. Agent	7.b. Hazards		7.c. Target Organs		7.d. Exposure Routes		7.e. PPE		7.f. Type of PPE						
• Unknowns	Explosive <input checked="" type="checkbox"/>	Radioactive <input checked="" type="checkbox"/>	Eyes <input checked="" type="checkbox"/> Nose <input checked="" type="checkbox"/> Skin <input checked="" type="checkbox"/> Ears <input type="checkbox"/>	Inhalation <input checked="" type="checkbox"/>	Face Shield <input checked="" type="checkbox"/>										
• Asbestos	Flammable <input checked="" type="checkbox"/>	Carcinogen <input checked="" type="checkbox"/>	Central Nervous System <input checked="" type="checkbox"/>	Absorption <input checked="" type="checkbox"/>	Eyes <input checked="" type="checkbox"/>										
• Fuel oils	Reactive <input checked="" type="checkbox"/>	Oxidizer <input checked="" type="checkbox"/>	Respiratory <input checked="" type="checkbox"/> Throat <input checked="" type="checkbox"/>	Ingestion <input type="checkbox"/>	Gloves <input checked="" type="checkbox"/>										
• Lube oils	Biomedical <input type="checkbox"/>	Corrosive <input checked="" type="checkbox"/>	Lungs <input checked="" type="checkbox"/> Heart <input type="checkbox"/> Liver <input type="checkbox"/>	Injection <input checked="" type="checkbox"/>	Inner Suit <input type="checkbox"/>										
• Sulphuric Acid – batteries	Toxic <input checked="" type="checkbox"/>	Specify Other: <input type="checkbox"/>	Kidney <input type="checkbox"/> Blood <input type="checkbox"/> Lungs <input checked="" type="checkbox"/>	Membrane <input type="checkbox"/>	Splash Suit <input checked="" type="checkbox"/>										
• Explosive material - ammunition			Circulatory <input type="checkbox"/> Gastrointestinal <input type="checkbox"/>		Level A Suit <input type="checkbox"/>										
			Bone <input type="checkbox"/> Other Specify: <input type="checkbox"/>		SCBA <input type="checkbox"/> APR <input checked="" type="checkbox"/>										
					SAR <input type="checkbox"/>										
					Cartridges <input checked="" type="checkbox"/>										
					Fire Resistance <input type="checkbox"/>										
8. Instruments:	8.a. Action Levels	8.b. Chemical Name(s):	8.c. LEL/UEL %	8.d. Odor Thresh Ppm	8.e. Ceiling/IDLH	8.f. STEL/TLV	8.g. Flash Pt/ Ignition Pt (F or C)	8.h. Vapor Pressure (mm)	8.i. Vapor Density	8.j. Specific Gravity	8.l. Boiling Pt F or C				
O2 <input checked="" type="checkbox"/>	19.5 -23.5	Ammonia	15.4%	N/A	300 ppm	35 ppm 27 mg/ m3	N/A	5900 mm	0.59	11.6	-27.4				
CGI <input checked="" type="checkbox"/>	<10% LEL														
Radiation <input checked="" type="checkbox"/>	3X background														
Total HCs <input checked="" type="checkbox"/>	>5ppm	Benzene	1.2 %	N/A	500 ppm	5 ppm	12 F	10 kPa/ 75.00 mm Hg	2.7	0.88	176.2 F				
Colorimetric <input checked="" type="checkbox"/>	Any Ammonia														
Thermal <input type="checkbox"/>															
Other <input checked="" type="checkbox"/>	1ppm benzene														

EMERGENCY SAFETY and RESPONSE PLAN (Cont)	1. Incident Name Valley Fire	2. Date/Time Prepared 15Oct15/ 1000	3. Operational Period 15Oct15 – 16Oct15	4. Attachments: Attach SDS for each Chemical
9. Decontamination: Instrument Drop Off <input type="checkbox"/> Outer Boots/Glove Removal <input checked="" type="checkbox"/> Suit/Gloves/Boot Disposal <input checked="" type="checkbox"/>	Suit Wash <input type="checkbox"/> Decon Agent: Water <input type="checkbox"/> Other <input type="checkbox"/> Specify:	Bottle Exchange <input type="checkbox"/> Outer Suit Removal <input checked="" type="checkbox"/> Inner Suit Removal <input type="checkbox"/> SCBA/Mask Removal <input checked="" type="checkbox"/>	SCBA/Mask Rinse <input type="checkbox"/> Inner Glove Removal <input checked="" type="checkbox"/> Work Clothes Removal <input checked="" type="checkbox"/> Body Shower <input type="checkbox"/>	Intervening Steps <input type="checkbox"/> Specify:
10. Site Map. Include: Work Zones, Locations of Hazards, Security Perimeter, Places of Refuge, Decontamination Line, Evacuation Routes, Assembly Point, Direction of North X Attached, <input type="checkbox"/> Drawn Below:				
11.a. Potential Emergencies: Fire <input checked="" type="checkbox"/> Explosion <input checked="" type="checkbox"/> Other <input type="checkbox"/>	11.b. Evacuation Alarms: Horn <input checked="" type="checkbox"/> #Blasts 5 Bells <input type="checkbox"/> #Rings <input type="checkbox"/> Radio Code <input type="checkbox"/> Other: Sat Phone	11.c Emergency Prevention and Evacuation Procedures: Sound alarms and egress to nearest safe haven. Notify emergency services. Account for team. Notify IC. Return to staging area or hospital as required. Safe Distance: 276 FT/ 84 m		
12. a. Communications: Radio <input type="checkbox"/> Phone <input checked="" type="checkbox"/> Other <input type="checkbox"/>	12.b. Command #: (415) 971-7720	12.c. Tactical #:	12.d. Entry #:	
13.a. Site Security: Personnel Assigned Brothers in Law	13.b. Procedures: Shelter in place or find the nearest safe haven as appropriate. Notify security and call 911.			
14.a. Emergency Medical: Personnel Assigned EMT	14.b. Procedures: If located in Division D, contact the local EMT from the medical plan. All other Divisions contact EMS. EMS contact information located on Medical Plan.			
15. Prepared by: Judah Fields, USCG	16. Date/Time Briefed: 15Oct15/ 1800			
ICS-208-CG SSP-A Page 2 (rev 4/15): Page 2 of 17				

EMERGENCY SITE NON-HAZARDOUS ASSESSMENT FORM		1. Incident Name Valley Fire		2. Date/Time Prepared 15Oct15/ 1000		3. Operational Period 15Oct15 – 16Oct15		4. Attachments: Y						
5. <u>SCENE</u> <u>CONTACTS:</u>		Name of Group/Branch or Division: Operations		Safety Officer: Judah Fields, USCG		Staging Manager:		OSC: Paul Jones, USCG						
6.a. <u>Physical Hazards Onsite</u>		6.b. Confined Space <input type="checkbox"/> Noise <input type="checkbox"/> Heat Stress <input checked="" type="checkbox"/> Cold Stress <input type="checkbox"/> Electrical <input checked="" type="checkbox"/> Animal/Plant/Insect <input checked="" type="checkbox"/> Ergonomic <input checked="" type="checkbox"/> Ionizing Rad <input checked="" type="checkbox"/> Slips/Trips/Falls <input checked="" type="checkbox"/> Struck by <input checked="" type="checkbox"/> Water <input type="checkbox"/> Violence <input checked="" type="checkbox"/> Excavation <input type="checkbox"/> Biomedical waste and/or needles <input checked="" type="checkbox"/> Fatigue <input checked="" type="checkbox"/> Other (specify)												
6.c. <u>Work Assignments/ Job Tasks</u>	6.d. Electrical Hazard	6.e. Eye/Face Hazards	6.f. Ear Protection	6.g. Foot Protection (type)	6.h. Hard Hats	6.i. Clothing (cold/hot wx)	6.j. Life Vest	6.l. Work/Rest (hrs)	6.m. Fluids (amt/time)	6.n. Signs & Barricade	6.p. Fall Hazard	6.q. Security Issues	6.r. Hand Protection (Gloves)	6.s. Other
See ICS-208 CG SSP-A														
7. Comments:														

EMERGENCY SITE NON-HAZARDOUS ASSESSMENT FORM (CONT'D)		1. Incident Name Valley Fire	2. Date/Time Prepared 15Oct15/ 1000	3. Operational Period 15Oct15 -- 16Oct15	4. Attachments: Y Individual Division Maps
8. Any Reported Illnesses or Injuries: N If so, what type of Injury: _____					
Was this recorded on CG-209 ? Y or N Was the persons Agency informed of injury: Y or N Location of Injury: _____					
9. Site Map. Include: Work Zones, Locations of Hazards, Security Perimeter, Places of Refuge, Decontamination Line, Evacuation Routes, Assembly Point, Direction of North X Attached, <input type="checkbox"/> Drawn Below: Division maps will be issued daily by Planning. Medical Care can be assessed at St. Helena Hospital. An EMT is on site in Division D for first aid due to the long proximity from the local hospital. Refer to the Medical Plan for EMT contact information.					
10.a. <u>Potential Emergencies:</u> Fire X Explosion X Other <input type="checkbox"/>		10.b. Evacuation Alarms: Horn X # Blasts 5 Bells <input type="checkbox"/> #Rings <input type="checkbox"/> Radio Code <input type="checkbox"/> Other: Sat Phone calls		10.c Emergency Prevention and Evacuation Procedures: Sound alarms and egress to nearest safe haven. Notify emergency services. Account for team. Notify IC. Return to staging area or hospital as required. Safe Distance: 276 Ft/ 84 m	
11. a. <u>Communications:</u> Radio <input type="checkbox"/> Phone X Other <input type="checkbox"/>		11.b. Command #: (415) 971-7720		11.c. Tactical #: _____	
				11 d. Staging Area #: _____	
12.a. <u>Emergency Medical:</u> Personnel Assigned EMT		12.b. Procedures: If located in Division D, contact the local EMT from the medical plan. All other Divisions contact EMS. EMS contact information located on Medical Plan			
13. Prepared by: Judah Fields, USCG		14. <u>Date/Time Briefed:</u> 15Oct15/ 1500		12.c Equipment: EMT Kit ICS-208-CG SSP-A2 Non-Hazardous Page 2 (rev 4/15): Page 4 of 17	

CG ICS SITE SAFETY PLAN (SSP) HAZARD IDENTIFICATION/ EVAL/CONTROL			1. Incident Name Valley Fire	2. Date/Time Prepared 15Oct15/ 1000	3. Operational Period 15Oct15 – 16Oct15	4. Safety Officer (include method of contact): Judah Fields/ (415) 559-9985
5. Supervisor/Leader Paul Jones	6. Location and Size of Site Lake County	7. Site Accessibility Land <input checked="" type="checkbox"/> Water <input type="checkbox"/> Air <input type="checkbox"/> Comments:	8. For Emergencies Contact: 911	9. Attachments: Attach MSDS for each Chemical OR CG 213RR for Ordering items from Block 10.e.		
10.a. Job Task/Activity Site Assessment	10.b. Hazards* Unknown chemicals; unknown physical hazards; overhead hazards; heat stress; slips, trips and falls; insect bites; sunburn; fatigue; motor vehicle ops; roads	10.c. Potential Injury & Health Effects Chemical exposure; burns; ambulatory, short term injuries, and long term damage requiring hospitalization; subsequent illness.	10.d. Exposure Routes Inhalation <input checked="" type="checkbox"/> Absorption <input checked="" type="checkbox"/> Ingestion <input checked="" type="checkbox"/> Injection <input checked="" type="checkbox"/> Membrane <input checked="" type="checkbox"/>	10.e. Controls: Engineering, Administrative, PPE Utilize proper PPE including: Level C, boots, gloves, hard hats, ear plugs, coveralls. Utilize methodical assessments ensuring proper footing, drink plenty of fluids to maintain hydration, use sunscreen, and ensure rest periods in accordance with the plan, use seat belts while in motor vehicles. Decon properly.		
HHW Removal	Unknown chemicals; unknown physical hazards; overhead hazards; heat stress; slips, trips and falls; insect bites; sunburn; fatigue; motor vehicle ops; roads	Chemical exposure; burns; ambulatory, short term injuries, and long term damage requiring hospitalization; subsequent illness.	Inhalation <input checked="" type="checkbox"/> Absorption <input checked="" type="checkbox"/> Ingestion <input checked="" type="checkbox"/> Injection <input checked="" type="checkbox"/> Membrane <input checked="" type="checkbox"/>	Utilize proper PPE including: Level C, boots, gloves, hard hats, ear plugs, coveralls. Utilize methodical assessments ensuring proper footing, drink plenty of fluids to maintain hydration, use sunscreen, and ensure rest periods in accordance with the plan, use seat belts while in motor vehicles. Decon properly		
HHW Disposal	Unknown chemicals; unknown physical hazards; overhead hazards; heat stress; slips, trips and falls; insect bites; sunburn; fatigue; motor vehicle ops; roads	Chemical exposure; burns; ambulatory, short term injuries, and long term damage requiring hospitalization; subsequent illness.	Inhalation <input checked="" type="checkbox"/> Absorption <input checked="" type="checkbox"/> Ingestion <input checked="" type="checkbox"/> Injection <input checked="" type="checkbox"/> Membrane <input checked="" type="checkbox"/>	Utilize proper PPE including: Level C, boots, gloves, hard hats, ear plugs, coveralls. Utilize methodical assessments ensuring proper footing, drink plenty of fluids to maintain hydration, use sunscreen, and ensure rest periods in accordance with the plan, use seat belts while in motor vehicles. Decon properly		
Site Security	Physical violence; ergonomics; Heat stress	Ambulatory, short term injuries, and long term damage requiring hospitalization	Inhalation <input type="checkbox"/> Absorption <input type="checkbox"/> Ingestion <input type="checkbox"/> Injection <input checked="" type="checkbox"/> Membrane <input checked="" type="checkbox"/>	Utilize proper legal and agency processes when encountering individuals and the public. Follow local LE guidance regarding access to sites		
			Inhalation <input type="checkbox"/> Absorption <input type="checkbox"/> Ingestion <input type="checkbox"/> Injection <input type="checkbox"/> Membrane <input type="checkbox"/>			
11. Prepared By: Judah Fields, USCG	12. Date/Time Briefed: 15Oct15/ 1500	*HAZARD LIST: Physical/Safety, Toxic, Explosion/Fire, Oxygen Deficiency, Ionizing Radiation, Biological, Biomedical, Electrical, Heat Stress, Cold Stress, Ergonomic, Noise, Cancer, Dermatitis, Drowning, Fatigue, Vehicle, & Diving			ICS-208-CG SSP-B (rev 4/15): Page 5 of 17	

CG ICS SSP: SITE MAP		1. Incident Name ValleyFire	2. Date/Time Prepared 15Oct15	3. Operational Period 16Oct15 – 17Oct15	4. Safety Officer (include method of contact) : Judah Fields
5. Supervisor/Leader Paul Jones	6. Location and Size of Site Lake County	7. Site Accessibility Land <input checked="" type="checkbox"/> Water <input type="checkbox"/> Air <input type="checkbox"/> Comments:	8. For Emergencies Contact: 911	9. Include: - Work Zones - Security Perimeter - Decontamination Line	- Locations of Hazards - Places of Refuge - Evacuation Routes
10. Sketch of Site: X Attached. <input type="checkbox"/> Drawn Here Division maps will be issued daily by Planning.					
11. Prepared By: Judah Fields, USCG	12. Date/Time Briefed: 15Oct15/ 1500	HAZARD LIST: Physical/Safety, Toxic, Explosion/Fire, Oxygen Deficiency, Ionizing Radiation, Biological, Biomedical, Electrical, Heat Stress, Cold Stress, Ergonomic, Noise, Cancer, Dermatitis, Drowning, Fatigue, Vehicle, & Diving			ICS-208-CG SSP-C (rev 4/15): Page 6 of 17

CG ICS SSP: EMERGENCY RESPONSE PLAN		1. Incident Name Valley Fire	2. Date/Time Prepared 15Oct15/ 1000	3. Operational Period 16Oct15 – 17Oct15	4. Safety Officer (include method of contact): Judah Fields
5. Supervisor/Leader Paul Jones	6. Location and Size of Site Lake County, CA	7. For Emergencies Contact: 911	8. Attachments: INCLUDE ICS FORM 206 and EMT Medical Response Procedures		
9. Emergency Alarm (sound and location) 5 horn blast	10. Backup Alarm (sound and location) Cell phone call	11. Emergency Hand Signals Overhead hand waving	12. Emergency Personal Protective Equipment Required: Level C		
13. Emergency Notification Procedures Sound alarms and egress to nearest safe haven. Notify emergency services. Account for team. Notify IC. Return to staging area or hospital as required		14. Places of Refuge (also see site map form 208B) Task Force Leaders will designate refuge based on Division maps issued daily by Planning.	15. Emergency Decon and Evacuation Steps Conduct emergency Level C cut outs and evacuate to a min of 276 Ft/ 84m or nearest safe haven.	16. Site Security Measures Task Force Leaders will employ signs, barricades, and guards as required.	
17. Prepared By: Judah Fields, USCG	18. Date/Time Briefed: 15Oct15/ 1500	HAZARD LIST: Physical/Safety, Toxic, Explosion/Fire, Oxygen Deficiency, Ionizing Radiation, Biological, Biomedical, Electrical, Heat Stress, Cold Stress, Ergonomic, Noise, Cancer, Dermatitis, Drowning, Fatigue, Vehicle, & Diving			ICS-208-CG SSP-D (rev 4/15) Page 7 of 17

CG ICS SSP: Exposure Monitoring Plan		1. Incident Name Valley Fire		2. Date/Time Prepared 15Oct15/ 1000		3. Operational Period 16Oct15 – 17Oct15		4. Safety Officer (include method of contact): Judah Fields	
5. Specific Task/Operation	6. Survey Location	7. Survey Date/Time	8. Monitoring Methodology	9. Direct-Reading Instrument	10. Air Sampling/Analysis Method	11. Hazard(s) to Monitor	12. Monitoring Duration	13. Reasons to Monitor	14. Laboratory Support for Analysis
See Weston/ ERRS HASP.			<input type="checkbox"/> Personal Breathing Zone <input type="checkbox"/> Area Air Monitoring <input type="checkbox"/> Dermal Exposure <input type="checkbox"/> Biological: <input type="checkbox"/> Blood <input type="checkbox"/> Urine <input type="checkbox"/> Other <input type="checkbox"/> Obtain bulk samples <input type="checkbox"/> Other:	Model: Manufacturer: Last Mfr Calibration Date:	Method: Collecting Media: <input type="checkbox"/> Charcoal Tube <input type="checkbox"/> Silica Gel <input type="checkbox"/> 37 mm MCE Filter <input type="checkbox"/> 37 mm PVC Filter <input type="checkbox"/> Other:			<input type="checkbox"/> Regulatory Compliance <input type="checkbox"/> Assess current PPE adequacy <input type="checkbox"/> Validate engineering controls <input type="checkbox"/> Monitor IDLH Conditions <input type="checkbox"/> Other	
			<input type="checkbox"/> Personal Breathing Zone <input type="checkbox"/> Area Air Monitoring <input type="checkbox"/> Dermal Exposure <input type="checkbox"/> Biological: <input type="checkbox"/> Blood <input type="checkbox"/> Urine <input type="checkbox"/> Other <input type="checkbox"/> Obtain bulk samples <input type="checkbox"/> Other:	Model: Manufacturer: Last Mfr Calibration Date:	Method: Collecting Media: <input type="checkbox"/> Charcoal Tube <input type="checkbox"/> Silica Gel <input type="checkbox"/> 37 mm MCE Filter <input type="checkbox"/> 37 mm PVC Filter <input type="checkbox"/> Other:			<input type="checkbox"/> Regulatory Compliance <input type="checkbox"/> Assess current PPE adequacy <input type="checkbox"/> Validate engineering controls <input type="checkbox"/> Monitor IDLH Conditions <input type="checkbox"/> Other	
			<input type="checkbox"/> Personal Breathing Zone <input type="checkbox"/> Area Air Monitoring <input type="checkbox"/> Dermal Exposure <input type="checkbox"/> Biological: <input type="checkbox"/> Blood <input type="checkbox"/> Urine <input type="checkbox"/> Other <input type="checkbox"/> Obtain bulk samples <input type="checkbox"/> Other:	Model: Manufacturer: Last Mfr Calibration Date:	Method: Collecting Media: <input type="checkbox"/> Charcoal Tube <input type="checkbox"/> Silica Gel <input type="checkbox"/> 37 mm MCE Filter <input type="checkbox"/> 37 mm PVC Filter <input type="checkbox"/> Other:			<input type="checkbox"/> Regulatory Compliance <input type="checkbox"/> Assess current PPE adequacy <input type="checkbox"/> Validate engineering controls <input type="checkbox"/> Monitor IDLH Conditions <input type="checkbox"/> Other	
			<input type="checkbox"/> Personal Breathing Zone <input type="checkbox"/> Area Air Monitoring <input type="checkbox"/> Dermal Exposure <input type="checkbox"/> Biological: <input type="checkbox"/> Blood <input type="checkbox"/> Urine <input type="checkbox"/> Other <input type="checkbox"/> Obtain bulk samples <input type="checkbox"/> Other:	Model: Manufacturer: Last Mfr Calibration Date:	Method: Collecting Media: <input type="checkbox"/> Charcoal Tube <input type="checkbox"/> Silica Gel <input type="checkbox"/> 37 mm MCE Filter <input type="checkbox"/> 37 mm PVC Filter <input type="checkbox"/> Other:			<input type="checkbox"/> Regulatory Compliance <input type="checkbox"/> Assess current PPE adequacy <input type="checkbox"/> Validate engineering controls <input type="checkbox"/> Monitor IDLH Conditions <input type="checkbox"/> Other	
15. Prepared By: Judah Fields, USCG	16. Date/Time Briefed: 15Oct15/ 1500			HAZARD LIST: Potential Health Effects: Bruise/Lacerations, Organ Damage, Central Nervous System Effects, Cancer, Reproductive Damage, Low Back Pain, Temporary Hearing Loss, Dermatitis, Respiratory Effects, Bone Breaks, & Eye Burning					
18. Safety Officer Review: Judah Fields				Reporting: Monitoring results shall be logged in the ICS-208-CG SSP-E-1 form (Air Monitoring Log) and attached as part of a current Site Safety Plan and Incident Action Plan. Significant Exposures shall be immediately addressed to the IC and General Staff for immediate correction.					

CG ICS SSP: AIR MONITORING LOG	1. Incident Name Valley Fire	2. Date/Time Prepared 15 Oct 15	3. Operational Period 16 Oct 15 – 17 Oct 15	4. Safety Officer (include method of contact) Judah Fields
5. Site Location Lake County, CA	6. Hazards of Concern Unknown Chemical	7. Action Levels (include references): See Weston/ ERRS HASP		8. Weather: Air Temperature: Water Temp: Precipitation: Wind: Relative Humidity: Cloud Cover:
9.a. Instrument, ID Number Calibrated? Indicate below.	9.b. Monitoring Person Name(s)	9.c. Results (units)	9.d. Location	9.f. Time 9.g. Interferences and Comments
10. Safety Officer Review: Judah Fields, USCG			Potential Health Effects: Bruise/Lacerations, Organ Damage, Central Nervous System Effects, Cancer, Reproductive Damage, Low Back Pain, Temporary Hearing Loss, Dermatitis, Respiratory Effects, Bone Breaks, & Eye Burning	ICS-208-CG SSP-E-1 (rev 4/15): Page 9 of 17

CG ICS SSP: PERSONAL PROTECTIVE EQUIPMENT		1. Incident Name Valley Fire		2. Date/Time Prepared 15Oct15		3. Operational Period 16Oct15 – 17Oct15		4. Safety Officer (include method of contact): Judah Fields	
5. Supervisor/Leader Paul Jones		6. Location and Size of Site Lake County, CA		7. Hazards Addressed: See Weston/ ERRS HASP		8. For Emergencies Contact: 911			
9. Equipment:		See Weston/ ERRS HASP		Level C		APR with Combination Cartridge		10. References Consulted:	
11. Inspection Procedures: See Weston/ ERRS HASP		12. Donning Procedures:		13. Doffing Procedures:		14. Limitations and Precautions (include maximum stay time in PPE):			
15. Prepared By: Judah Fields, USCG		16. Date/Time Briefed: 15Oct15/1500		Potential Health Effects: Bruise/Lacerations, Organ Damage, Central Nervous System Effects, Cancer, Reproductive Damage, Low Back Pain, Temporary Hearing Loss, Dermatitis, Respiratory Effects, Bone Breaks, Eye Burning		ICS-208-CG SSP-F: (Rev 4/15) Page 10 of 17			

CG ICS SSP: DECONTAMINATION	1. Incident Name Valley Fire	2. Date/Time Prepared 15Oct15/ 1000	3. Operational Period 16Oct15 – 17Oct15	4. Safety Officer (include method of contact): Judah Fields
5. Supervisor/Leader Paul Jones	6. Location and Size of Site Lake County, CA	7. For Emergencies Contact: 911		8. Hazard(s) Addressed: See Weston/ ERRS HASP
9. Equipment:	See Weston/ ERRS HASP	Level C	APR with Combination Cartridge	10. References Consulted:
11. Contamination Avoidance Practices: See Weston/ ERRS HASP	12. Decon Diagram: <input checked="" type="checkbox"/> Attached, <input type="checkbox"/> Drawn below Task Force Leaders will determine decon placement based on Division maps issued daily by Planning			13. Decon Steps See Weston/ ERRS HASP For emergency decon: Conduct emergency Level C cut outs and evacuate to a min of 276 Ft/ 84m or nearest safe haven
14. Prepared By: Judah Fields, USCG	15. Date/Time Briefed: 15Oct15/ 1500	Potential Health Effects: Bruise/Lacerations, Organ Damage, Central Nervous System Effects, Cancer, Reproductive Damage, Low Back Pain, Temporary Hearing Loss, Dermatitis, Respiratory Effects, Bone Breaks, Eye Burning ICS-208-CG SSP-G (rev 4/15): Page <u>11</u> of <u>17</u>		

CG ICS SSP: ENFORCEMENT LOG		1. Incident Name Valley Fire	2. Date/Time Prepared 15Oct 15/ 1000	3. Operational Period 16Oct15 – 17Oct15	4. Safety Officer (include method of contact) Judah Fields
5. Supervisor/Leader Paul Jones	6. For Emergencies Contact: 911		7. Attachments: Weston/ ERRS HASP; Maps		
8.a. Job Task/Activity	8.b. Hazards	8.c. Deficiency	8.d. Action Taken	8.e. Safety Plan Amended?	8.f. Signature of Supervisor/Leader
9. Prepared By: Judah Fields, USCG	10. Date/Time Briefed: 15Oct15/ 1500	HAZARD LIST: Physical/Safety, Toxic, Explosion/Fire, Oxygen Deficiency, Ionizing Radiation, Biological, Biomedical, Electrical, Heat Stress, Cold Stress, Ergonomic, Noise, Cancer, Dermatitis, Drowning, Fatigue, Vehicle, & Diving			ICS-208-CG SSP-H (rev 4/15): Page 12 of 17

CGICS SSP WORKER
ACKNOWLEDGEMENT FORM[illegible]

NWS Forecast for: Middletown CA

Issued by: National Weather Service Sacramento, CA

Last Update: 2:06 pm PDT Oct 15, 2015



This Afternoon	Tonight	Friday	Friday Night	Saturday	Saturday Night	Sunday	Sunday Night	Monday
Partly Sunny	Partly Cloudy	Mostly Sunny	Mostly Cloudy	Slight Chance Showers	Slight Chance Showers then Mostly Cloudy	Mostly Sunny	Partly Cloudy	Mostly Sunny
High: 87 °F	Low: 63 °F	High: 79 °F	Low: 60 °F	High: 75 °F	Low: 58 °F	High: 76 °F	Low: 59 °F	High: 81 °F

This Afternoon: Partly sunny, with a high near 87. South southeast wind around 7 mph.

Tonight: Partly cloudy, with a low around 63. South southwest wind 5 to 7 mph becoming calm in the evening.

Friday: Mostly sunny, with a high near 79. Calm wind becoming south southeast around 6 mph in the afternoon.

Friday Night: Mostly cloudy, with a low around 60. West wind around 6 mph.

Saturday: A 20 percent chance of showers. Partly sunny, with a high near 75. West wind around 7 mph.

Saturday Night: A 20 percent chance of showers before 11pm. Mostly cloudy, with a low around 58.

Sunday: Mostly sunny, with a high near 76.

Sunday Night: Partly cloudy, with a low around 59.

Monday: Mostly sunny, with a high near 81.

Monday Night: Mostly clear, with a low around 61.

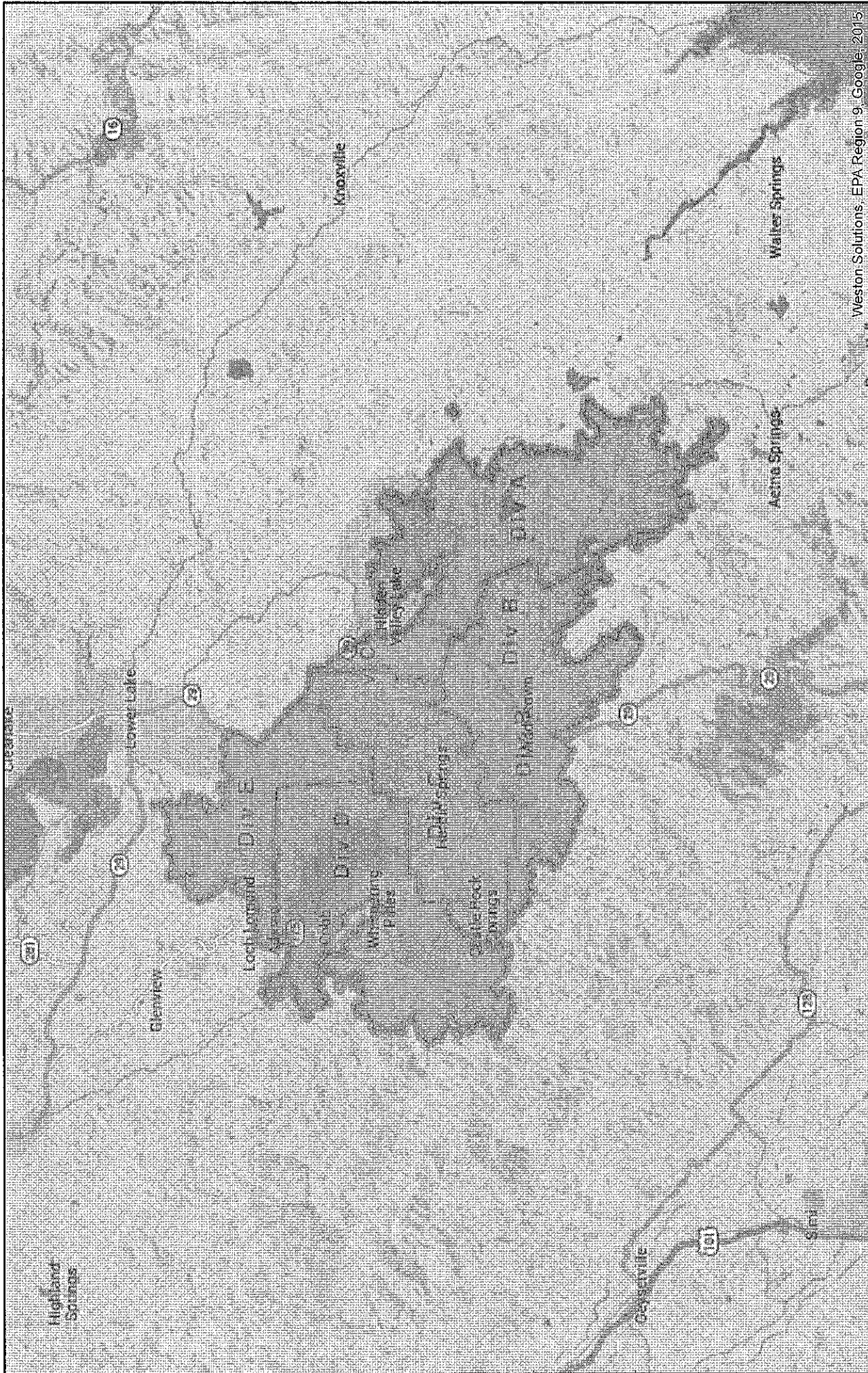
Tuesday: Sunny, with a high near 87.

Tuesday Night: Mostly clear, with a low around 60.

Wednesday: Sunny, with a high near 85.

Middletown CA
38.76°N 122.61°W (Elev. 1109 ft)

Visit your local NWS office at: <http://www.wrh.noaa.gov/sto>



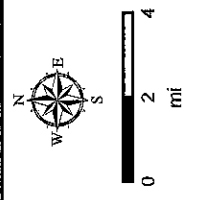
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US EPA

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Legend

- Divisions (CalRecycle)
- Fire Boundary



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1. Incident Name Valley Fire		2. Operational Period (Date/Time) From: 0730 16Oct15 To: 0730 17Oct15		DAILY MEETING SCHEDULE ICS 230	
3. Meeting Schedule (Commonly-held meetings are included)					
Date/ Time	Meeting Name	Purpose	Attendees	Location	
1100/ 16Oct15	Unified Command Objectives Meeting	Review / Identify objectives for the next operational period.	Unified Command members		
1130/ 16Oct15	Command & General Staff Meeting	IC/UC gives direction to Command & General staff including incident objectives and priorities	IC/UC, Command & General Staff		
	Tactics Meeting	Develop/Review primary and alternate Strategies to meet Incident Objectives for the next Operational Period.	PSC, OSC, LSC, RESL & SITL		
1600/ 16Oct15	Planning Meeting	Review status and finalize strategies and assignments to meet Incident Objectives for the next Operational Period.	Determined by the IC/UC		
0730/ 16Oct15	Operations Briefing	Present IAP and assignments to the Supervisors / Leaders for the next Operational Period.	IC/UC, Command & General Staff, Branch Directors, Div/Gru Sups., Task Force/Strike Team Leaders and Unit Leaders		
4. Prepared by: (Situation Unit Leader) Fields, Judah PSC/ USCG			Date/Time 15Oct15/ 0835		
DAILY MEETING SCHEDULE			ICS 230 (Rev.07/13)		

Benzene

Section 1. Identification

GHS product identifier : Benzene
Chemical name : benzene
Other means of identification : benzene, purebenzol; cyclohexatriene; phenyl hydride; phene; coal naphtha; pyrobenzol
Product use : Synthetic/Analytical chemistry.
Synonym : benzene, purebenzol; cyclohexatriene; phenyl hydride; phene; coal naphtha; pyrobenzol
SDS # : 001062
Supplier's details : Airgas USA, LLC and its affiliates
 259 North Radnor-Chester Road
 Suite 100
 Radnor, PA 19087-5283
 1-610-687-5253

Emergency telephone number (with hours of operation) : 1-866-734-3438

Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Classification of the substance or mixture : FLAMMABLE LIQUIDS - Category 2
 SKIN CORROSION/IRRITATION - Category 2
 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2
 GERM CELL MUTAGENICITY - Category 1B
 CARCINOGENICITY - Category 1
 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (bone marrow) - Category 1

GHS label elements**Hazard pictograms****Signal word**

: Danger

Hazard statements

: Highly flammable liquid and vapor.
 May form explosive mixtures with air.
 Causes serious eye irritation.
 Causes skin irritation.
 May cause genetic defects.
 May cause cancer.
 Causes damage to organs through prolonged or repeated exposure. (bone marrow)

Precautionary statements**General**

: Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

Section 2. Hazards identification

Prevention	: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Wear protective gloves. Wear eye or face protection. Keep away from heat, sparks, open flames and hot surfaces. - No smoking. Use explosion-proof electrical, ventilating, lighting and all material-handling equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Keep container tightly closed. Do not breathe vapor. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.
Response	: Get medical attention if you feel unwell. IF exposed or concerned: Get medical attention. IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. Rinse mouth. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing. If skin irritation occurs: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
Storage	: Store locked up. Store in a well-ventilated place. Keep cool.
Disposal	: Dispose of contents and container in accordance with all local, regional, national and international regulations.
Hazards not otherwise classified	: None known.

Section 3. Composition/information on ingredients

Substance/mixture	: Substance
Chemical name	: benzene
Other means of identification	: benzene, purebenzol; cyclohexatriene; phenyl hydride; phene; coal naphtha; pyrobenzol

CAS number/other identifiers

CAS number	: 71-43-2
Product code	: 001062

Ingredient name	%	CAS number
benzene	100	71-43-2

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact	: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
Inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Section 4. First aid measures

- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects

- Eye contact** : Causes serious eye irritation.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : Causes skin irritation.
- Frostbite** : Try to warm up the frozen tissues and seek medical attention.
- Ingestion** : Harmful if swallowed. Irritating to mouth, throat and stomach.

Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:
pain or irritation
watering
redness
- Inhalation** : No specific data.
- Skin contact** : Adverse symptoms may include the following:
irritation
redness
- Ingestion** : No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media : Use dry chemical, CO₂, water spray (fog) or foam.

Unsuitable extinguishing media : Do not use water jet.

Specific hazards arising from the chemical : Highly flammable liquid and vapor. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.

Hazardous thermal decomposition products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide

Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Small spill : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

- Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
benzene	<p>ACGIH TLV (United States, 3/2012). Absorbed through skin. STEL: 8 mg/m³ 15 minutes. STEL: 2.5 ppm 15 minutes. TWA: 1.6 mg/m³ 8 hours. TWA: 0.5 ppm 8 hours.</p> <p>NIOSH REL (United States, 1/2013). STEL: 1 ppm 15 minutes. TWA: 0.1 ppm 10 hours.</p> <p>OSHA PEL (United States, 6/2010). STEL: 5 ppm 15 minutes. TWA: 1 ppm 8 hours.</p> <p>OSHA PEL 1989 (United States, 3/1989). STEL: 5 ppm 15 minutes. TWA: 1 ppm 8 hours.</p> <p>OSHA PEL Z2 (United States, 11/2006). AMP: 50 ppm 10 minutes. CEIL: 25 ppm TWA: 10 ppm 8 hours.</p>

Section 8. Exposure controls/personal protection

- Appropriate engineering controls** : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Section 9. Physical and chemical properties

Appearance

- Physical state** : Liquid. [Watery liquid.]
- Color** : Colorless. Yellowish.
- Molecular weight** : 78.12 g/mole
- Molecular formula** : C₆H₆
- Boiling/condensation point** : 80.09°C (176.2°F)
- Melting/freezing point** : 5.49°C (41.9°F)
- Critical temperature** : 288.95°C (552.1°F)
- Odor** : Characteristic.
- Odor threshold** : Not available.

Section 9. Physical and chemical properties

pH	: Not available.
Flash point	: Closed cup: -11°C (12.2°F)
Burning time	: Not applicable.
Burning rate	: Not applicable.
Evaporation rate	: 3.5 (butyl acetate = 1)
Flammability (solid, gas)	: Not available.
Lower and upper explosive (flammable) limits	: Lower: 1.2% Upper: 7.8%
Vapor pressure	: 10 kPa (75.006094245 mm Hg) [room temperature]
Vapor density	: 2.7 (Air = 1)
Specific Volume (ft³/lb)	: 1.1403
Gas Density (lb/ft³)	: 0.877 (20°C / 68 to °F)
Relative density	: 0.88
Solubility	: Not available.
Solubility in water	: 1.88 g/l
Partition coefficient: n-octanol/water	: 2.13
Auto-ignition temperature	: 498°C (928.4°F)
Decomposition temperature	: Not available.
SADT	: Not available.
Viscosity	: Dynamic (room temperature): 0.604 mPa·s (0.604 cP)

Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapor to accumulate in low or confined areas.
Incompatibility with various substances	: Highly reactive or incompatible with the following materials: oxidizing materials.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Hazardous polymerization	: Under normal conditions of storage and use, hazardous polymerization will not occur.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
benzene	LC50 Inhalation Gas. LD50 Oral	Rat Rat	10000 ppm 930 mg/kg	7 hours -

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
benzene	Eyes - Moderate irritant	Rabbit	-	88 milligrams	-
	Eyes - Severe irritant	Rabbit	-	24 hours 2 milligrams	-
	Skin - Mild irritant	Rat	-	8 hours 60 microliters	-
	Skin - Mild irritant	Rabbit	-	24 hours 15 milligrams	-
	Skin - Moderate irritant	Rabbit	-	24 hours 20 milligrams	-

Sensitization

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Classification

Product/ingredient name	OSHA	IARC	NTP
benzene	+	1	Known to be a human carcinogen.

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Name	Category	Route of exposure	Target organs
benzene	Category 1	Not determined	bone marrow

Aspiration hazard

Not available.

Information on the likely routes of exposure : Not available.

Potential acute health effects

Eye contact : Causes serious eye irritation.
Inhalation : No known significant effects or critical hazards.

Section 11. Toxicological information

Skin contact	: Causes skin irritation.
Ingestion	: Harmful if swallowed. Irritating to mouth, throat and stomach.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	: Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	: No specific data.
Skin contact	: Adverse symptoms may include the following: irritation redness
Ingestion	: No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects	: Not available.
Potential delayed effects	: Not available.

Long term exposure

Potential immediate effects	: Not available.
Potential delayed effects	: Not available.

Potential chronic health effects

Not available.

General	: Causes damage to organs through prolonged or repeated exposure.
Carcinogenicity	: May cause cancer. Risk of cancer depends on duration and level of exposure.
Mutagenicity	: May cause genetic defects.
Teratogenicity	: No known significant effects or critical hazards.
Developmental effects	: No known significant effects or critical hazards.
Fertility effects	: No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Not available.

Section 12. Ecological information

Toxicity

Not available.

Persistence and degradability

Not available.

Bioaccumulative potential

Section 12. Ecological information

Product/ingredient name	LogP _{ow}	BCF	Potential
benzene	2.13	11	low

Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

Other adverse effects : No known significant effects or critical hazards.






Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

United States - RCRA Toxic hazardous waste "U" List

Ingredient	CAS #	Status	Reference number
Benzene (I,T)	71-43-2	Listed	U019

Section 14. Transport information

	DOT	TDG	Mexico	IMDG	IATA
UN number	UN1114	UN1114	UN114	UN1114	UN1114
UN proper shipping name	BENZENE	BENZENE	BENZENE	BENZENE	BENZENE
Transport hazard class(es)	3 	3 	3 	3 	3 
Packing group	II	II	II	II	II
Environment	No.	No.	No.	No.	No.
Additional information	<u>Reportable quantity</u> 10 lbs / 4.54 kg [1.3675 gal / 5.1767 L] Package sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements.	<u>Explosive Limit and Limited Quantity Index</u> 1 <u>Passenger Carrying Road or Rail Index</u> 5	-	-	<u>Passenger and Cargo Aircraft</u> Quantity limitation: 5 L <u>Cargo Aircraft Only</u> Quantity limitation: 60 L <u>Limited Quantities - Passenger Aircraft</u> Quantity limitation: 1 L

Section 14. Transport information

	<u>Limited quantity</u> Yes. <u>Packaging instruction</u> Passenger aircraft Quantity limitation: 5 L Cargo aircraft Quantity limitation: 60 L <u>Special provisions</u> IB2, T4, TP1				
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“Refer to CFR 49 (or authority having jurisdiction) to determine the information required for shipment of the product.”

Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Not available.

Section 15. Regulatory information

U.S. Federal regulations : **TSCA 8(a) CDR Exempt/Partial exemption:** Not determined
United States inventory (TSCA 8b): This material is listed or exempted.
Clean Water Act (CWA) 307: benzene
Clean Water Act (CWA) 311: benzene

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) : Listed

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

DEA List II Chemicals (Essential Chemicals) : Not listed

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

SARA 311/312

Classification : Fire hazard
Immediate (acute) health hazard
Delayed (chronic) health hazard

Composition/information on ingredients

Section 15. Regulatory information

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
benzene	100	Yes.	No.	No.	Yes.	Yes.

SARA 313

	Product name	CAS number	%
Form R - Reporting requirements	benzene	71-43-2	100
Supplier notification	benzene	71-43-2	100

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

State regulations

Massachusetts : This material is listed.
New York : This material is listed.
New Jersey : This material is listed.
Pennsylvania : This material is listed.

California Prop. 65

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

Ingredient name	Cancer	Reproductive	No significant risk level	Maximum acceptable dosage level
benzene	Yes.	Yes.	6.4 µg/day (ingestion) 13 µg/day (inhalation)	24 µg/day (ingestion) 49 µg/day (inhalation)

Canada inventory : This material is listed or exempted.

International regulations

International lists : **Australia inventory (AICS)**: This material is listed or exempted.
China inventory (IECSC): This material is listed or exempted.
Japan inventory: This material is listed or exempted.
Korea inventory: This material is listed or exempted.
Malaysia Inventory (EHS Register): Not determined.
New Zealand Inventory of Chemicals (NZIoC): This material is listed or exempted.
Philippines inventory (PICCS): This material is listed or exempted.
Taiwan inventory (CSNN): Not determined.

Chemical Weapons Convention List Schedule I Chemicals : Not listed

Chemical Weapons Convention List Schedule I Chemicals

Chemical Weapons Convention List Schedule II Chemicals : Not listed

Chemical Weapons Convention List Schedule II Chemicals

Chemical Weapons Convention List Schedule III Chemicals : Not listed

Chemical Weapons Convention List Schedule III Chemicals

Canada

Section 15. Regulatory information

WHMIS (Canada) : Class B-2: Flammable liquid
 Class D-2A: Material causing other toxic effects (Very toxic).
 Class D-2B: Material causing other toxic effects (Toxic).
CEPA Toxic substances: This material is listed.
Canadian ARET: This material is not listed.
Canadian NPRI: This material is listed.
Alberta Designated Substances: This material is not listed.
Ontario Designated Substances: This material is not listed.
Quebec Designated Substances: This material is not listed.

Section 16. Other information

Canada Label requirements : Class B-2: Flammable liquid
 Class D-2A: Material causing other toxic effects (Very toxic).
 Class D-2B: Material causing other toxic effects (Toxic).

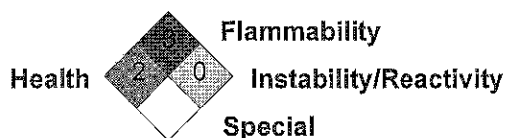
Hazardous Material Information System (U.S.A.)

Health	*	2
Flammability		3
Physical hazards		0

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

National Fire Protection Association (U.S.A.)



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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

History

Date of printing : 4/26/2015.
 Date of issue/Date of revision : 4/26/2015.
 Date of previous issue : 10/16/2014.
 Version : 0.03

Section 16. Other information

Key to abbreviations	: ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Intermediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) UN = United Nations ACGIH – American Conference of Governmental Industrial Hygienists AIHA – American Industrial Hygiene Association CAS – Chemical Abstract Services CEPA – Canadian Environmental Protection Act CERCLA – Comprehensive Environmental Response, Compensation, and Liability Act (EPA) CFR – United States Code of Federal Regulations CPR – Controlled Products Regulations DSL – Domestic Substances List GWP – Global Warming Potential IARC – International Agency for Research on Cancer ICAO – International Civil Aviation Organisation Inh – Inhalation LC – Lethal concentration LD – Lethal dosage NDSL – Non-Domestic Substances List NIOSH – National Institute for Occupational Safety and Health TDG – Canadian Transportation of Dangerous Goods Act and Regulations TLV – Threshold Limit Value TSCA – Toxic Substances Control Act WEEL – Workplace Environmental Exposure Level WHMIS – Canadian Workplace Hazardous Material Information System
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References : Not available.

▣ Indicates information that has changed from previously issued version.

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

1. Incident Name: Valley Fire			INCIDENT OPEN ACTION TRACKER				
			ICS-233 (Rev 07-12)				
2. No.	3. Item	4. For/POC	5. Briefed POC (X)	6. Start Date	7. Status	8. Target Date	9. Actual Date
1	Revise initial funding request for	IC				16-Oct-15	
2	residential remediation						
3	Prepare for EOC relocation	IC					
4	Request radiation equipment for ID	Proj Man.				16-Oct-15	
5	Consider passive asbestos monitoring	Proj Man.				19-Oct-15	
6	Review debris removal MA	IC					
7	Ensure calls are conducted prior to	All					
8	ROE						
9	Revise small cylinder removal process	IC					
10	Determine contractor burn rates	Proj Man.				19-Oct-15	
11	Identify High Hazard Team OSC	IC				19-Oct-15	
12	Add tree safety to the Site Saety Plan	SOFR				19-Oct-15	
13	Add human/ animal remain procedures	SOFR				19-Oct-15	
14	to Site Safety Pain						
15	Combine Weston and ERRS HASP	Proj Man.				19-Oct-15	
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