HAZARDOUS INCIDENT SITE SAFETY PLAN

NOTE: A site-specific *Site Safety Plan* must be developed and implemented for each site where investigators may potentially be exposed to hazardous substances while conducting scene examinations (29 CFR 1910.120 (b)(4)). The purpose of the *Site Safety Plan* is to address the safety and health hazards that may exist at each phase of site operations and to identify procedures for the protection of personnel and the environment. A *Site Safety Plan* shall be prepared and reviewed by qualified occupational health and safety professionals for each hazardous substance response action. The Plan must address the safety requirements for hazardous activities, whether they are routine response activities or unexpected site emergencies. Before site operations commence, all safety aspects of the operations to be performed should be thoroughly examined, and the *Site Safety Plan* must be updated if new tasks or hazards are identified at the site.

A. SITE DESCRIPTION	ON		
DATE:			
LOCATION:			
TIME OF DAY:			
INCIDENT #:	· · · · · · · · · · · · · · · · · · ·		
Flammability Health Reactivity Other	<u> </u>		
AREA(S) AFFECTED: _			
IMMEDIATE EXPOSURES:			
TOPOGRAPHY:			
WEATHER CONDITIONS:			
ADDITIONAL INFORMATION:			

B. KEY PERSONNEL & I	HAZARD COMMUNICA	TIONS PLAN
On-Site Health and Safety Pe		
COMMUNICATIONS PROCE to site personnel before site a briefed periodically throughout apprised of the safety and 1910.120 (b)(2)].	activities are initiated (e.g., bro out site operations to ensur	iefings). Personnel should be e that they are adequately
C. HEALTH AND SAFET	Y RISK ANALYSES	
(Health and Safety Risk Anal be performed at the site. Dis the chemical contaminant(s) routes of exposure. These ac potential on-site operations NOTE: An initial Hazard Eval to be on-site and their primary	cussion of these analyses show present, affected media, contivities should also include says and safety problems). [2]	nould include identification of concentrations, and potential afety risk analyses to address 29 CFR 1910.120 (b)(4)].
SUBSTANCE(S) INVOLVED	CONCENTRATION(S) IF KNOWN	PRIMARY HAZARDS
The following additional safe slippery ground, electrical		

NOTE: Material Safety Data Sheets for the substances involved are attached.

D	SITE	CONTR		MFA	SURFS
v.		CUNIN	WL		DUNES.

(The Site Control Measures are those procedures that will be used to minimize personnel exposure to hazardous substances before site operations commence and during site operations. These procedures must be modified as any new information is obtained with respect to site hazards. These measures should include a site map, designation of hazard control zones, site communications, safety work practices, identification of the nearest medical assistance, description of the "buddy system" for site operations, and emergency alarm procedures). [29 CFR 1910.120 (d)].
Site Safety: (Name) is the designated Site Safety Officer and is directly responsible to the Incident Commander for safety recommendations on-site. Emergency Medical Care: (Names of qualified personnel)
(Medical Facility Names and Addresses)
are located approximately minutes from this location. (Name of Person) was contacted at (Time) and briefed on the situation, the potential hazards, and the substances involved. A map of alternative routes to this facility is available at (normally Command Post)
Local ambulance service is available from at (<i>Phone Number</i>) at (<i>Phone Number</i>) Their response time to the site is approximately minutes. Whenever possible, arrangements should be made for on-site stand-by.
First aid equipment is available from the following sources:

Emergency medical information	on for substances present:	
SUBSTANCE(S)	EXPOSURE SYMPTOMS	FIRST AID INSTRUCTIONS
List of Emergency Telephone	Numbers:	
<u>AGENCY</u>	PHONE NUMBER	<u>CONTACT</u>
Police		
Hospital		
Public Health / EPA / OSHA		
State Fire Marshal		
BATF		
	the following standard emergied of any on-site emergend procedures are followed.	
designated emergency signal site personnel shall assemble the Hot Zone (if required) to between hot and warm zone) evaluate the nature of the injuste extent possible prior to in Personnel shall initiate approan ambulance and with the n	e at the decontamination line. remove the injured person(s). The Site Safety Officer and arry, and the affected person shovement to the Warm Zone. opriate first aid measures and earest medical treatment faciline until the cause of the	shall be sounded. All The rescue team will enter to the hotline (<i>i.e.</i> , boundary Incident Commander should should be decontaminated to The on-site EMT / Medical contact should be made for ity (if required). No persons
the Site Safety Officer and Ir the cause of the injury or los	rm Zone: Upon notification of notident Commander will assess of the injured person does ready continue, with the on-site.	ss the nature of the injury. If not affect the performance of

administering the appropriate first aid and n injury increases the risk to others, the desi will be sounded and all on-site personnel vawait further instructions. Activities on-site value minimized.	gnated emergency signalwill move to the decontamination line and			
Fire Explosion: Upon notification of a fewergency signalpersonnel shall assemble at the decontaminal alerted and all personnel will be moved to a second	shall be sounded and all on-site nation line. The fire department shall be			
Personal Protective Equipment Failure: lateration of protective equipment that affe his/her buddy shall immediately exit the Hot the equipment has been serviced or replaced	cts the protection factor, that person and Zone. Reentry shall not be permitted until			
Other Equipment Failure: If any other equipment on-site fails to operate properly, the Incident Commander and Site Safety Officer shall be notified and then determine the effect of this failure on continued on-site operations. If the failure affects the safety of personnel or prevents completion of the work plan tasks, all personnel shall leave the Hot Zone until the situation is evaluated and appropriate actions taken.				
Escape Routes: The following emergency those situations where egress from the decontamination line: (Describe alternate rou	Hot Zone cannot occur through the			
NOTE : In all situations when an on-site er Zone, personnel shall not reenter until:	mergency results in evacuation of the Hot			
 The conditions resulting in the emer The hazards have been reassessed The Site Safety Plan has been review Site personnel have been briefed on 	d. ewed.			
On-Site Work Plans: Work parties consi following tasks:	sting of persons will perform the			
PERSONNEL	FUNCTION			
Team Leader / Group Supervisor				
• •				
T #1				
Team #1				

Team #2	
PERSONNEL	FUNCTION
Rescue Team (Required for entry into IDLH Atmospheres)	
DECON Team	
The work parties were briefed on the conte	ents of this Plan at (Date Time Location)
Communications Procedures: Channel _ frequency for personnel in the Hot Zone. Channel Personnel in the Hot communication or within sight of the Team communication requires an evaluation of who (Horn, Blast, Siren, etc.) _ indicate that all personnel should leave the standard hand signals will be used in the even	All other on-site communications will use Zone should remain in constant radio Leader/Safety Officer. Any failure of radio ether personnel should leave the Hot Zone. is the emergency signal to the Hot Zone immediately. The following
Hand Gripping ThroatGrip Partner's Wrist or Both Hands Around V Hands On Top of Head Thumbs Up Thumbs Down	VaistLeave Area ImmediatelyNeed AssistanceO.K., I'm Alright
Telephone communication to the Comman practicable. The telephone number is ()	d Post should be established as soon as
E. EMPLOYEE TRAINING ASSIGNM	IENTS
(Training Assignments should address the eannual health and safety refresher training, of first-aid/CPR training). Employees will no activities unless they have received responsibilities). [29 CFR 1910.120 (e)].	on-the-job training, supervisory training, and to be permitted to participate in any site

F. MEDICAL SURVEILLANCE
(A Medical Surveillance Program is required for monitoring the health and safety of personnel engaged in hazardous waste operations and emergency response activities who may be potentially exposed to hazardous substances at the scene and who wear respirators 30 days or more per year. The program must include baseline or pre-assignment monitoring and periodic medical examinations, examinations upon termination of employment, medical record keeping, and exposure/injury medical support). [29 CFR 1910.120 (f)].
G. ENTRY OBJECTIVES
The objective of the initial entry into the contaminated area is to (Describe specific actions and/or tasks to be performed such as conduct initial air monitoring, determine extent of hazards/damage present, conduct origin and cause determination, etc.).
H. ON-SITE INCIDENT COMMAND ORGANIZATION
The following personnel are designated to perform the stated job functions on-site. (Note: One person may carry out more than one job function).
□ Incident Commander
□ Safety Officer
□ HAZMAT Duty Officer
□ Operations Section Chief
□ Investigator(s)

Thes Zone		ries are i <i>Traffic</i>	dentified by: (<i>Ma</i> <i>Cones</i>	_	of Zones Support		Boundary Zone),	Tape (Hot etc.).
I DI	ZDSONA.	I DDAT	ECTIVE EQUI	DMFN	T (DDF)			
J. FI	LISUNA	LPKUI	ECTIVE EQUI	PWIEN	I (FFE)			
addre etc.). that temp traini conta	ess potent This des addresses erature ex ng for PPI ained brea should be	ial hazard cription sl s site ha. ktremes, E use, ins thing app used only	PPE ensembles is to personnel du hould also include zards, duration of PPE selection, respection and monaratus or other regimeering when engineering against	uring site or refe of site mainten itoring, equired ng conti	e activitied erence a contivities, ance, ston and insponder and insponder erespirator	s (Leve comprel limita rage, a ection a ry prote vork pra	I A, Level hensive Plations of Fland decorand checkertion deviactions are	B, Level C, PE program PPE during stamination, out of self- ices. Such
			potential hazards r the applicable w				f persona	I protection
	LOCATI	ON	JOB FUNCTIO	N	LEVE	L OF I	PROTECT	ION
	Hot Zon	e			- - - -	A B A B A B	C D Other	er er er
	Warm Z	one			- - -	АВ	C D Othe C D Othe C D Othe	er

Specific protective equipment for each level of protection is as follows:

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A B C D Other __ A B C D Other __

LEVEL A	Chemical Vapor Tight Suit Self-Contained Breathing Apparatus (SCBA)	LEVEL B	Chemical Splash Clothing Self Contained Breathing Apparatus (SCBA)
LEVEL C	Chemical Splash Clothing Air Purifying Respirator (AP		(Description) (Description)
Other:			
The followin site:	g protective clothing materia	ls are requi	red for the substances present on-
SUB	STANCE	PROTECTI	VE CLOTHING MATERIAL
approval of the street of the	he Site Safety Officer and the ng respirators are authorized the involved substances an	e Incident Co , <u>(filtering m</u> ad concentra	rection shall be made without the ommander. nedium) is the appropriate canister ations. A competent individual has respiratory protection have been
K. AIR AN	D PERSONNEL MONIT	ORING	
techniques exposure to include prod	and instrumentation that w contaminants that result from	rill be used n site activit itoring, perid	ment and environmental sampling I on site for evaluating potential ties. The Monitoring Program must odic monitoring, and monitoring of
	g environmental monitoring i	instruments	shall be used on-site (cross out if

Combustible Gas Indicator	continuous / hourly / daily / other
Oxygen Monitor	continuous / hourly / daily / other
Colorimetric Tubes	continuous / hourly / daily / other continuous / hourly / daily / other
	continuous / hourly / daily / other
	continuous / hourly / daily / other
• HNU / OVA	continuous / hourly / daily / other
Other	
	continuous / hourly / daily / other
The following personal monitor	ing will be in effect at the site:
	ing: (Describe any personal sampling programs being nnel. This would include the use of sampling pumps, air
that heat stress monitoring is	pected air temperature will be (oF). If it is determined required (mandatory if >70°F) the following procedures occedures in effect such as monitoring body temperature,
L. SPILL CONTAINMENT	PROGRAM
and any procedures to cont	oill Containment Program that may be relevant to the site, ain and isolate the entire volume of any hazardous e of transfer, major spill or an on-site release). [29 CFR

M. CONFINED SPACE ENTRY PROCEDURES
(If confined space entry is anticipated on-site, describe procedures for entry into the confined space. Such procedures should ensure the safety of site personnel who must enter areas where natural ventilation is insufficient to reduce contaminant concentrations. Refer to 29 CFR 1910.146, Permit Required Confined Space for additional guidance). [29 CFR 1910.120 (b)(9)].
N. DECONTAMINATION PROCEDURES
(Describe appropriate decontamination standard operating procedures for both personnel and equipment on-site and in locations where there is a potential for exposure to a hazardous substance. These procedures should explain how to conduct personal and equipment decontamination when leaving a contaminated area, the recommended levels of protection for personnel involved in decontamination activities, and the proper procedures for disposal of wastes. Refer to NFPA 471, Recommended Practice for Responding to Hazardous Materials Incidents for additional information). [29 CFR 1910.120 (k)].
Personnel and equipment leaving the Hot Zone shall be thoroughly decontaminated. The site decontamination protocol shall be used with the following decontamination stations: (1) (2) (3) (9) Other:
Other:

Emergency Decontamination will include the following stations:

The following decontamin	ation equipment is required:	
(Normally detergent and DECON solution.	water)	will be used as the
NOTES:		
O. EMERGENCY RES	SPONSE PLAN	
associated with response must be developed and minimum, should include roles and lines of author and procedures, emerger	ed emergencies will be handled e activities will be minimized. The activities will be minimized. The implemented prior to beginning the following elements: Pre-entity, emergency recognition and procedures for fires, explosions, specification system, occedures for fires, explosions, specification system.	e Emergency Response Plan ng site operations and, at a nergency planning, personnel prevention, evacuation routes emergency medical treatment
P. DOCUMENTATIO	N	
All site personnel have re	ad this Plan and are familiar with	its provisions.
	Name (Printed)	<u>Signature</u>
Incident Commander Site Safety Officer Other Site Personnel		

	 	
NOTES:		

STANDARD SITE SAFETY PRACTICES

- Minimize the number of personnel operating in the contaminated area.
- Avoid contact with all contaminants, contaminated surfaces, or suspected contaminated surfaces. Avoid walking through any suspected releases or placing equipment on contaminated surfaces.
- Advise all entry personnel of all site control policies including entry points, decon layout, procedures and working times.
- Always have an escape route. Ensure that everyone knows the emergency evacuation signals.
- Ensure that all tasks and responsibilities are identified before attempting entry. If necessary, practice unfamiliar operations prior to entry.
- Use the buddy system for all entry operations. Always ensure that properly equipped back-up crews are in place.
- Maintain radio communications between entry, back-up crews and the Safety Officer (whenever possible).
- Prohibit drinking, smoking and any other practices which increase the possibility of hand-to-mouth transfer in all contaminated areas.
- Follow decontamination and personal cleanliness practices before eating, drinking, or smoking after leaving the contaminated area.