

5.3 Site Safety & Health Plan

1. PROJECT OBJECTIVE

Prepared by:

Date:

Overall Objective of Project:

2. SITE DESCRIPTION

Date:

Sector:

Business Unit:

Name of Facility:

Location (Road, City):

Potential Hazards (Y / N):

		Excavations, Trenches, and/or Confined Spaces
		Hazardous Vapors and Gases
		Direct Exposure to Hazardous Material
		Dust and Particulates
		Environmental Hazards (Rain, Snow, Cold, Heat)
		Equipment Hazards
		Other:
		Other:
		Other:

Area Affected: (Describe the area including approximate dimensions. Attach Site Map)

Surrounding Population (Y/N):

		Urban
		Suburban
		Rural
		Industrial

Distance to Nearest Population:

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Topography: (Describe terrain)

sandy beach	rocky	cliffs	marshes	docks
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other (explain)

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Climate/Weather Conditions:

	Present	Anticipated
Winds		
Temp °F		
Humidity		
% Rain		
Seas		
Comments		

3. BACKGROUND INFORMATION

Background information:

(Include date, range of site use, source of contamination, estimated extent of contamination, known and suspected contaminants, etc.)

4. ENTRY OBJECTIVES

Entry Objectives:

(Fully describe the purpose of site visit(s). If multiple visits, indicate the objectives of each entry. The number and types of samples should be included if sampling is to be performed). All work shall be conducted in accordance with procedures established during pre-entry briefings and attached work plans. A work plan is attached as Item 10.

5. PERSONNEL ROLES

Operator Personnel:

Key Personnel	Title / Responsibilities
	<i>On-Scene Commander (OSC)</i>
	<i>Site Safety & Health Plan Officer (SSO)</i>
	<i>Contractor Supervisor (CS)</i>
	GPA

Federal Agency Representatives:

Name	Agency	Phone

State Agency Representatives:

Name	Agency	Phone

Local Agency Representatives:

Name	Agency	Phone

6. SITE SECURITY AND CONTROL

On-site Control and Security Coordinators:

Operator:

Contractor:

Control Boundaries:

Map / Sketch attached (Y/N):

Site Secured (Y/N):

A Safe perimeter has been established as:

NO UNAUTHORIZED PERSON SHOULD BE WITHIN THIS AREA

Control boundaries have been established and the Exclusion Zone and Clean Zone have been identified and designated as follows (i.e., cones, barrier tape):

NOTE: See attached Site Map.

Spill Containment Procedures:

7. HAZARD EVALUATION

The following substance(s) are known to be on-site. The primary hazards of each are identified.

Product	Physical State ¹	Waste Characteristics ²	Primary Hazard ³

1. Liquid, solid, sludge, gas/vapor, other.

2. Corrosive, flammable, toxic, volatile, reactive, radioactive, carcinogen, other.

3. Toxic on inhalation or ingestion absorbed through skin, irritant to eyes, irritant to respiratory tract, irritant to skin, other.

Anticipated concentration and allowable exposure limits

Product	Anticipated Concentration	Full-Shift Exposure Limit	Short-Term Exposure Limit

NOTE: Include institution that establishes limit (e.g., OSHA, ACGIH, etc.).

Other Site Hazards (Y / N):

		Heat
		Cold
		Confined Spaces
		Heavy Equipment
		Overhead / Underground Utilities
		Bloodborne Pathogens
		Poison Ivy
		Insects:
		Rodents:
		Snakes:
		Lighting:
		Work Near Water:
		Electrical Hazards:
		Helicopters:
		ATV's:
		Others:
		Others:
		Others:

8. PERSONAL PROTECTIVE EQUIPMENT

Based on evaluation of potential hazards, the following levels of personal protection have been designated for the applicable work areas and tasks. See Health Hazard Information section on MSDS of product.

Location	Job Function	Level of Protection

NOTE: Air monitoring equipment will be used to determine the need for appropriate PPE.

PPE - Levels of protection:

Level A: To be selected when the greatest level of skin, respiratory, and eye protection is required.

Level B: The highest level of respiratory protection is necessary, but a lesser level of skin protection is needed.

Level C: The concentration(s) and type(s) of airborne substance(s) is known and the criteria for using air purifying respirators are met.

Level D: A work uniform affording minimal protection, used for nuisance contamination only.

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

NOTE: No changes to the specified levels of protection shall be made without the approval of the Clean-Up Leader and Site Safety Officer.

9. ENVIRONMENTAL MONITORING

A direct reading instrument will be used to monitor organic vapor concentration. The instrument will be on while the workers approach the work area and readings will be taken during the following conditions:

- Possibility of IDLH or flammable atmosphere has developed.
- Indication that exposures may have risen over limits since prior monitoring.
- Work begins on different portion of site.
- Contaminants other than those previously identified are being handled.
- Different type of operation is initiated.
- Employees are handling leaking drums or containers.
- Employees are working in areas with obvious liquid contamination.

If at any time a measurement of _____ ppm or more above concentration is observed, the workers will retreat to a safe area and upgrade the level of protection to level _____. Monitoring will be continuous during times of respirator usage. If at any time the concentration approaches _____ ppm greater than background, the work area will be evacuated immediately.

Combustible Gas Monitoring will be conducted by:

Instrument(s) used will be:

Calibration Frequency:

Frequency of Monitoring:

Location of Monitoring:

Benzene/Xylene/Toluene monitoring will be conducted by:

Instrument(s) used will be:

Calibration Frequency:

Frequency of Monitoring:

Location of Monitoring:

Other monitoring will be conducted by:

Instrument(s) used will be:

Calibration Frequency:

Frequency of Monitoring:

Location of Monitoring:

NOTE: Monitoring results are attached to this report.

14. EMERGENCY PROCEDURES

The following standard emergency procedure will be used by on-site personnel: The Site Safety Officer shall be notified of any on-site emergencies and will be responsible for ensuring that the appropriate procedures are followed:

Personnel injury in the Support Zone - Upon notification of an injury in the support zone, the Clean-Up Unit Leader and Site Safety Officer will assess the nature of the injury. If the cause of the injury or loss of the injured person does not affect the performance of site personnel, operations may continue, with the Clean-Up Unit Leader and Site Safety Officer initiating the appropriate first aid and necessary follow-up as stated above. If the injury increases the risk to others, all site personnel shall be assembled in a given area for further instructions. Activities on-site will stop until the added risk is removed or minimized.

Fire/Explosion - Upon notification of a fire or explosion on-site, all site personnel will be assembled at the decontamination line. The fire department shall be alerted and all personnel moved to a safe distance from the involved area.

Personal Protective Equipment Failure - If any worker experiences a failure or alteration of protective equipment that affects the protection factor, that person and his/her buddy shall immediately leave the affected area. Reentry shall not be permitted until the equipment has been repaired or replaced.

Other Equipment Failure - If any other equipment on-site fails to operate properly, the Clean-Up Unit Leader and Site Safety Officer shall be notified and then determine the effect of this failure on continuing operations on site. If the failure affects the safety of personnel or prevents completion of the Work Plan tasks, all personnel shall leave the area until the situation is evaluated and appropriate actions taken.

IN ALL SITUATIONS, WHEN AN ON-SITE EMERGENCY RESULTS IN EVACUATION OF THE WORK AREA, PERSONNEL SHALL NOT REENTER UNTIL:

1. The conditions resulting in the emergency have been corrected.
2. The hazards have been reassessed.
3. The Site Safety Plan has been reviewed.
4. Site personnel have been briefed on any change in the Site Safety Plan.

An exit route will be used in an emergency restricting the use of the main entrance. Location of the Emergency Exit Route (See Site Map):

In the event of an accidental release, fire or explosion or the sounding of the emergency signal, workers will evacuate the work area and assemble in the designated location.
Location of Designated Assembly Area (See Site Map):

15. SITE SAFETY PLAN

Site Safety Officer(s):

The Site Safety Officer is directly responsible for safety recommendations on site. He/She will maintain daily site logs documenting all notable events and/or conditions of health and safety concerns.

Emergency Medical Care:

Qualified Medical personnel are located on site (Y/N):

If there are qualified Medical personnel located on-site, then identify location (See Site Map):

Phone Number:

Radio Frequency:

Medical Surveillance:

In accordance with 29 CFR 1910.120 (f), the employees/contractors involved in this project have been examined by a physician trained in occupational medicine, for the purpose of determining fitness with respect to handling hazardous materials and wearing personal protective equipment. The results of the examination indicate that these employees/contractors are physically capable and qualified to work under conditions described in this plan, without risk to personal health and safety.

Emergency Resources:

Command Post:

Phone Number:

Safety Officer:

Phone Number:

Fax:

Cellular:

Pager:

Home:

NOTE: Telephone communication to the Command Post should be established as soon as practical.

Site Resources:		
Telephone	Y / N	Comments
Radio		
Electricity		
Illumination		
Sanitation		
Water Supply		
Water Supply		
Designated First Aid/CPR On-Site Provider		
Other:		
Other		

15. SITE SAFETY PLAN, CONTINUED

Local Resources:

	Phone Number
Ambulance	
Hospital Emergency Room	
Sheriff	
Police	
State Police	
Fire Department	
Airport/Helicopter	
EPA Contact	
U. S. Coast Guard Contact	
M.M.S. Contact	
Claims	
Other:	
Other:	

Emergency Medical Information For Substances Present:

Substance	Exposure Symptoms	First-Aid

16. TRAINING CERTIFICATION

The Site Safety Officer will ensure that all employees have the appropriate training/certification as per 29 CFR 1910.120 (8) (e).