Safety & Occupational Health	
LCDR Kenneth "KP" Pounds	
IH w/ Gulf Strike Team D-8 Response Div	-
	-
Federal On-Scene Coordinator Representative Training	
Safety & Occupational Health	
Training to Identify Safety and Occupational Health section 6.0 of FOSC Performance Qualification	- <u>-</u>
Standard (PQS).	
	-
Federal On-Scene Coordinator Representative Training	
	1
Safety & Occupational Health	
Emergency response or responding to emergencies means a response effort by employees from outside the	
immediate release area or by other designated responders (i.e., mutual aid groups, local fire departments, etc.) to an occurrence which results, or is	
likely to result, in an uncontrolled release of a hazardous substance.	
Homeland Enderel On Soons Considerates Pourseautation Training	
Federal On-Scene Coordinator Representative Training	

Safety & Occupational Health

- Site safety plan & contents as required by 29 CFR 1910.120(b)(4)(i)
- **General.** The site safety and health plan, which must be kept on site, shall address the safety and health hazards of each phase of site operation and include the requirements and procedures for employee protection.
- *Elements.* The site safety and health plan, as a minimum, shall address the following:

Risk or hazard analysis, training, PPE, medical surveillance requirements, environmental sampling techniques and instrumentation, site control measures, decontamination procedures, confined space entry, and emergency response conditions/operations.



Federal On-Scene Coordinator Representative Training



Safety & Occupational Health

- · Explain the applicability of a Site Safety Plan during a spill.
- · Needed not needed? Why?
- · Where to get plan?
- · Who completes pan?
- · Responsibility for ensuring plan is completed properly and
- Drafty a Site Safety Plan but not just yet!



Federal On-Scene Coordinator Representative Training



Safety & Occupational Health

- Explain the OSC's responsibility for the safety of personnel at a spill site.
- · Identify the training requirements for personnel responding to an oil spill (on site & off site).
- · Identify the training requirements for personnel responding to an unknown hazardous substance release.



Federal On-Scene Coordinator Representative Training



Safety & Occupational Health

- · Volunteers responding to emergencies
- Identify the potential roles of volunteers in an oil response.
- · Identify the training requirements for volunteers at an oil response.



Federal On-Scene Coordinator Representative Training



Safety & Occupational Health

- Describe the purpose and content of a Disposal Plan.
- What are going to do w/ the hazardous products?
- · Where are the products going to?
- · How are they going to get there?
- · How are they going to be used or dispossessed of upon arrival (commodities, waste products, RCRA considerations?)



Federal On-Scene Coordinator Representative Training



Safety & Occupational Health

- Decontamination procedures.
- A decontamination procedure shall be developed, communicated to employees and implemented before any employees or equipment may enter areas on site where potential for exposure to hazardous substances criefts. substances exists.
- Standard operating procedures shall be developed to minimize employee contact with hazardous substances or with equipment that has contacted hazardous substances
- All employees leaving a contaminated area shall be appropriately decontaminated; all contaminated clothing and equipment leaving a contaminated area shall be appropriately disposed of or decontaminated.
- Decontamination procedures shall be monitored by the site safety and health supervisor to determine their effectiveness. When such procedures are found to be ineffective, appropriate steps shall be taken to correct any deficiencies.



Federal On-Scene Coordinator Representative Training



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Safety & Occupational Health	
Explain and review the safety information that is located in the revised Pollution Investigator PQS.	
Security Federal On-Scene Coordinator Representative Training	
	1
Safety & Occupational Health	
Supporting Tools	
ICS 208 "Site Safety Plan"	
ICS 215A Form	
Operational Risk Management (ORM) modeling tools GAR & SPE	
** Homeland Security Federal On-Scene Coordinator Representative Training	
Safety & Occupational Health	
Now for the fun stuff – ICS 208 Development and	
Completion	
- Where to get it - Most recent version	
Federal On-Scene Coordinator Representative Training	
Federal On-Scene Coordinator Representative Training	1

Safety & Occupational Health	
QUESTIONS??	
MANY THANKS!	
Homeland Federal On-Scene Coordinator Representative Training	

Risk Calculation Worksheet - Calculating Risk Using GAR Model (GREEN-AMBER-RED)

To compute the total level of risk for each hazard identified below, assign a risk code of 0 (For No Risk) through 10 (For Maximum Risk) to each of the six elements. This is your personal estimate of the risk. Add the risk scores to come up with a Total Risk Score for each hazard.

SUPERVISION

Supervisory Control considers how qualified the supervisor is and whether effective supervision is taking place. Even if a person is qualified to perform a task, supervision acts as a control to minimize risk. This may simply be someone checking what is being done to ensure it is being done correctly. The higher the risk, the more the supervisor needs to be focused on observing and checking. A supervisor who is actively involved in a task (doing something) is easily distracted and should not be considered an effective safety observer in moderate to high-risk conditions.

PLANNING

Planning and preparation should consider how much information you have, how clear it is, and how much time you have to plan the evolution or evaluate the situation.

TEAM SELECTION

Team selection should consider the qualifications and experience level of the individuals used for the specific event/evolution. Individuals may need to be replaced during the vent/evolution and the experience level of the new team members should be assessed.

TEAM FITNESS

Team fitness should consider the physical and mental state of the crew. This is a function of the amount and quality of rest a crewmember has had. Quality of rest should consider how the ship rides, its habitability, potential sleep length, and any interruptions. Fatigue normally becomes a factor after 18 hours without rest; however, lack of quality sleep builds a deficit that worsens the effects of fatigue.

ENVIRONMENT

Environment should consider factors affecting personnel performance as well as the performance of the asset or resource. This includes, but is not limited to, time of day, temperature, humidity, precipitation, wind and sea conditions, proximity of aerial/navigational hazards and other exposures (e.g., oxygen deficiency, toxic chemicals, and/or injury from falls and sharp objects).

EVENT or EVOLUTION COMPLEXITY

Event/Evolution complexity should consider both the required time and the situation. Generally, the longer one is exposed to a hazard, the greater are the risks. However, each circumstance is unique. For example, more iterations of an evolution can increase the opportunity for a loss to occur, but may have the positive effect of improving the proficiency of the team, thus possibly decreasing the chance of error. This would depend upon the experience level of the team. The situation includes considering how long the environmental conditions will remain stable and the complexity of the work. Assign a risk code of 0 (For No Risk) through 10 (For Maximum Risk) to each of the six elements below.

Supervision	
Planning	
Team Selection	
Team Fitness	
Environment	
Event/Evolution Complexity	
Total Risk Score	

The mission risk can be visualized using the colors of a traffic light. If the total risk value falls in the GREEN ZONE (1-23), risk is rated as low. If the total risk value falls in the AMBER ZONE (24-44), risk is moderate and you should consider adopting procedures to minimize the risk. If the total value falls in the RED ZONE (45-60), you should implement measures to reduce the risk prior to starting the event or evolution.

GAR Evaluation Scale Color Coding the Level 0f Risk							
0 23	3 4	4 60					
10 20 GREEN (Low Risk)	30 40 AMBER (Caution)	50 RED (High Risk)					

The ability to assign numerical values or "color codes" to hazards using the GAR Model is not the most important part of risk assessment. What is critical to this step is team discussions leading to an understanding of the risks and how they will be managed.

Site Safety and Health Plan ICS-208-CG (rev 9/06)

inciaent	Name:	Date/Time Prepared:	Operational Period:	
Purpose.	The ICS Compatible Site Safety	and Health Plan is designed for safety and health	personnel that use the Incident Command	d System

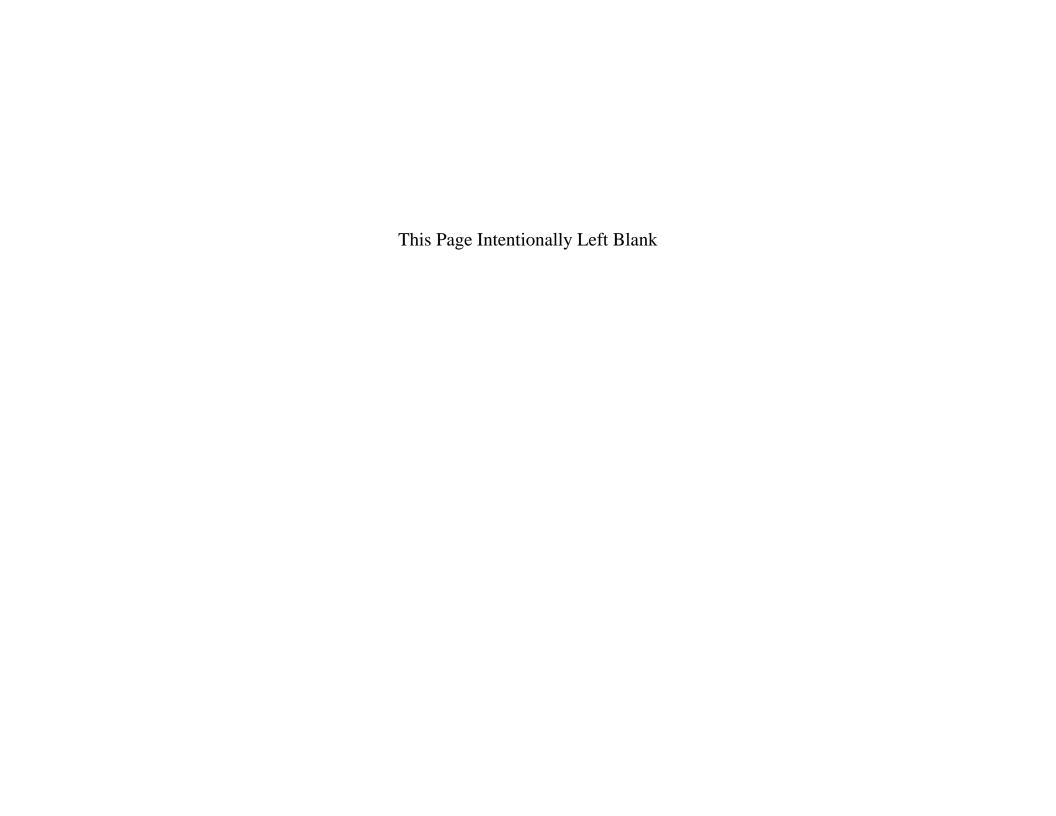
Purpose. The ICS Compatible Site Safety and Health Plan is designed for safety and health personnel that use the Incident Command System (ICS). It is compatible with ICS and is intended to meet the requirements of the Hazardous Waste Operations and Emergency Response regulation (Title 29, Code of Federal 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.

Questions on the document should be addressed to the Coast Guard Office of Incident Management and Preparedness (G-RPP).

Table of Forms

FORM NAME	FORM #	USE	REQUIRED	OPTIONAL	ATTACHED
Emergency Safety and Response	A	Emergency response phase (uncontrolled)	X		
Plan					
Site Safety Plan	В	Post-emergency phase (stabilized, cleanup)	X		
Site Map	C	Post-emergency phase map of site and hazards	X		
Emergency Response Plan	D	Part of Form B, to address emergencies	X		
Exposure Monitoring Plan	Е	Exposure monitoring Plan to monitor exposure	X		
Air Monitoring Log	E-1	To log air monitoring data	X*		
Personal Protective Equipment	F	To document PPE equipment and procedures	X*		
Decontamination	G	To document decon equipment and procedures	X*		
Site Safety Enforcement Log	Н	To use in enforcing safety on site		X	
Worker Acknowledgement Form	I	To document workers receiving briefings		X	
Form A Compliance Checklist	J	To assist in ensuring HAZWOPER compliance		X	
Form B Compliance Checklist	K	To assist in ensuring HAZWOPER compliance		X	
Drum Compliance Checklist	L	To assist in ensuring HAZWOPER compliance		X	
Other:					

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



EMERGENCY SAFETY and RESPONSE PLAN	1. Incide	ent Name			2. Date	e/Time Pre	pared		3	3. Operationa	l Period	4. Att	achments: ical:	Attach MS	SDS for e	ach
5. Organization IC/UC:	Safety:				Entry 7	Team:			В	Backup Team	n:	Deco	n Team:			
	Di /C	C														
6.a. Physical Hazards and	Div/Grou		ace Nois	e Heat S	tress (Cold Stress	Fle	ctrical [\perp	Animal/Plant	t/Insect	Frannor	nic 🗆 Ion	izing Rad		
Protection										edical waste						
6.c.	6d Entry	6.e.	6f.	6g. Shoes	6.h.	6i.	6j.	6l. Worl	rk/	6.m.	6.n. Signs	6.p. Fall	6.q.	6.r.	6.s.	6.t.
Tasks & Controls	Permit	Ventilate	Hearing Protection	(type)	Hard Hats	Clothing (cold wx)	Life Jacket	Rest (hr	rs)	Fluids (amt/time)	& Barricade	Protect	Post Guards	Flash Protect	Work Gloves	Other
7.a. Agent		7.b. Ha	azards		7.c.	Target Or	gans	<u>'</u>	7.d	l. Exposure F	Routes	7.f. F	PE	7.g.	Type of l	PPE
	Explosiv		Radioact			se Skir		rs 🔲 I	Inha	nalation			hield 🔲			
	Flammab		Carcinog			ral Nervou				sorption			Eyes 🔲			
	Reactive Biomedic	_	Oxidi Corros		Lungs	piratory Heart				gestion ection	! 		oves 🔲 🛘 Suit 🔲			
			Specify Oth			Blood				embrane	j		Suit 🔲			
				Ci		Gastro						Level A				
					Bone	U Other	r Specify	y: 🔲			;	SCBA_				
													SAR 🔲 [dges 🔲]			
											F	Fire Resis				
8. Instruments: 8.a	. Action E	8.b. Chemic	cal Name(s):	8.c. LEL/UEL	8.d. Oc Thres		Ceiling/ DLH	8.f. STEL/T		8.g. Flash / Ignition I	Pt/ 8.h. V		8.i. Vapor Density	8.j. Sp Grav		8.1. Boiling
0.0				%	Ppm					(F or C)) (m	m)				Pt F or C
O2																
Radiation Total HCs				+												
Colorimetric C																
Thermal																
Other																
Other L							TC	אמ אוני	0 4		A D	1 /	- 0/04			•
							10	/D- ZU8	ð-(CG SSP-	A Page	e 1 (re	/ Y/UO):	Page	of	-

EMERGENCY SAFETY and	1. Incident Name	2. Date/Time Prepared	3. Operational Period	4. Attachments: Attach MSDS for each Chemical
RESPONSE PLAN (Cont)		-	•	
9. <u>Decontamination</u> :	Suit Wash	Bottle Exchange		Mask Rinse Intervening Steps Specify:
Instrument Drop Off		Outer Suit Removal		re Removal 🔲
Outer Boots/Glove Removal		Inner Suit Removal	Work Clothe	
Suit/Gloves/Boot Disposal	Specify:	SCBA/Mask Removal	□ Bo	dy Shower
10. Site Map. Include: Work	Zones, Locations of Hazards, Security Pe	erimeter, Places of Refuge, Dec	ontamination Line, Evacu	ation Routes, Assembly Point, Direction of North
Attached, Drawn Below		, , , , , , , , , , , , , , , , , , , ,		•
11 a Datantial Emangemaiss.	11.b. Evacuation Alarms: 11.c Em	angener Drevention and Every	tion Duosadyunas	
11.a. <u>Potential Emergencies</u> : Fire	Horn # Blasts Safe Dis	ergency Prevention and Evacua	tion Procedures:	
Explosion	Bells #Rings	tance.		
Other	Radio Code			
Other 🗀	Other:			
12. a. Communications:	12.b. Command #:	12.c. Tactical #:		12.d. Entry #:
Radio Phone Other	12.0. Command π .	12.c. Γαctical π.		12.d. Entry #.
13.a. Site Security:	13.b. Procedures:			13.c. Equipment:
Personnel Assigned	13.0. 110ccddres.			13.c. Equipment.
1 orsomer 7 issigned				
14.a. Emergency Medical:	14.b. Procedures:			14.c Equipment:
Personnel Assigned	1110111000001001			The Equipment
15. Prepared by:	16. Date/Time Briefed:			ICS-208-CG SSP-A Page 2.
				(rev 9/06): Page of

CG ICS SITE SAFETY PLAN (SSP) HAZARD ID/EVAL/CONTROL	1. Incident Name	2. Date/Time Prepared	3. Operational Period 4. Safety Office contact)			cer (include method of		
5. Supervisor/Leader	6. Location and Size of Site	7. Site Accessibility Land Water Air Comments:	8. For Emergencies Contact: 9. Attachment Chemical			Attach MSDS for each		
10.a.	10.b. Hazards*	10.c. Potential Injury & Health	10.d. Exposure	10.e.		inistration DDE		
Job Task/Activity	Hazards**	Effects	Routes Inhalation	Controls: El	ngineering, Adm	inistrative, PPE		
			Absorption					
			Ingestion					
			Injection					
			Membrane					
			Inhalation 🔲					
			Absorption					
			Ingestion					
			Injection					
			Membrane					
			Inhalation					
			Absorption					
			Ingestion					
			Injection					
			Membrane					
			Inhalation					
			Absorption					
			Ingestion					
			Injection					
			Membrane					
			Inhalation					
			Absorption Ingestion					
			Injection					
			Membrane					
11. Prepared By:	12. Date/Time Briefed:	*HAZARD LIST: Physical/Saf	ety, Toxic, Explosion	n/Fire, Oxyge	en Deficiency,	ICS-208-CG SSP-		
		Ionizing Radiation, Biological,				B (rev 9/06):		
		Ergonomic, Noise, Cancer, Derr	natitis, Drowning, Fa	atigue, Vehicl	le, & Diving	Page of		
	İ					1 u5c 01		

CG ICS SSP: SITE MAP	1. Incident Name	2. Date/Time Prepared	3. Operational Period	4. Safety Officer (include	er (include method of contact)			
5. Supervisor/Leader	6. Location and Size of Site	7. Site Accessibility Land Water Air Comments:	8. For Emergencies Contact:	9. <u>Include</u> : - Work Zones - Security Perimeter - Decontamination Line	Locations of HazardsPlaces of RefugeEvacuation Routes			
10. Sketch of Site: ☐ Attached. ☐ Drawn Here								
11. Prepared By:	12. Date/Time Briefed:	HAZARD LIST: Physical/ Deficiency, Ionizing Radiat Heat Stress, Cold Stress, Er Drowning, Fatigue, Vehicle	ion, Biological, Biomedi gonomic, Noise, Cancer,	ical, Electrical,	-208-CG SSP-C 9/06): of			

CG ICS SSP: EMERGENCY RESPONSE PLAN	1. Incident I		2. Date/Time Prepared		3. Operational Period	4. Safety Officer	(include method of contact)
5. Supervisor/Leader	6. Location and Size of Site		7. For Emergencies (7. For Emergencies Contact:			NCLUDE ICS FORM 206 and esponse Procedures
9. Emergency Alarm (sound and location)	10. Backup location)	Alarm (sound and	11. Emergency Hand	Signals	12. Emergency Personal	Protective Equipm	ent Required:
13. Emergency Notification Pro	ocedures	14. Places of Refuge (a form 208B)	also see site map	15. Emer Steps	rgency Decon and Evacua	tion 16. Site	e Security Measures
17. Prepared By:	18. Date/Tii	ne Briefed:	Deficiency, Ionizing	Radiation, Ergonomic,	ety, Toxic, Explosion/Fire, Biological, Biomedical, Noise, Cancer, Dermatiti	Electrical, Heat	ICS-208-CG SSP-D (rev 9/06) Page of

CG ICS SSP: Exposure 1. Incident Nat			2. Date/Time 3. Operational Period:		4. Safety Officer (Method of Contact):					
Monitoring P	-			Prepared:						
5. Specific	6. Survey	7. Survey	8. Monitoring	9. Direct-		10. Air Sampling	11.	12.	13. Reasons to	14. Laboratory
Task/Operation	Location	Date/Time	Methodology	Reading			Hazard(s)	Monitoring	Monitor	Support for
				Instrument			to Monitor	Duration		Analysis
			☐ Personal Breathing Zone ☐ Area Air Monitoring	Model:		Sampling/Analysis			Regulatory Compliance	
			☐ Dermal Exposure Monitoring	<u>r</u>		Method:			Assess current	
			☐ Biological Monitoring: ☐ Blood ☐ Urine ☐ Other	Manufacturer:	-	Collecting Media: ☐ Charcoal Tube ☐ Silica Gel			PPE adequacy Validate engineering controls Monitor IDLH	
			Obtain bulk samples Other:	Last Mfr Calibration Da	ate:	☐ 37 mm MCE Filter ☐ 37 mm PVC Filter ☐ Other:			Conditions Other	
			☐ Personal Breathing Zone ☐ Area Air Monitoring ☐ Dermal Exposure Monitoring	Model:		Sampling/Analysis Method:			Regulatory Compliance Assess current	
			☐ Biological Monitoring: ☐ Blood ☐ Urine	Manufacturer:	<u>:</u>	Collecting Media: ☐ Charcoal Tube			PPE adequacy Validate engineering controls	
			☐ Other ☐ Obtain bulk samples	Last Mfr		☐ Silica Gel ☐ 37 mm MCE Filter			☐ Monitor IDLH Conditions	
			Other:	Calibration Da	ate:	☐ 37 mm PVC Filter ☐ Other:			Other	
			☐ Personal Breathing Zone ☐ Area Air Monitoring ☐ Dermal Exposure Monitoring	Model:		Sampling/Analysis Method:			☐ Regulatory Compliance ☐ Assess current	
			☐ Biological Monitoring: ☐ Blood ☐ Urine	Manufacturer:	-	Collecting Media: ☐ Charcoal Tube			PPE adequacy Validate engineering controls	
			☐ Other ☐ Obtain bulk samples	Last Mfr		☐ Silica Gel ☐ 37 mm MCE Filter			☐ Monitor IDLH Conditions	
			Other:	Calibration D	ate:	☐ 37 mm PVC Filter ☐ Other:			Other	
			☐ Personal Breathing Zone ☐ Area Air Monitoring ☐ Dermal Exposure Monitoring	Model:		Sampling/Analysis Method:			Regulatory Compliance Assess current	
			☐ Biological Monitoring: ☐ Blood ☐ Urine	Manufacturer:		Collecting Media: ☐ Charcoal Tube			PPE adequacy Validate engineering controls	
			Other		☐ Charcoal Tube ☐ Silica Gel				☐ Monitor IDLH	
			Obtain bulk samples	Last Mfr		37 mm MCE Filter			Conditions	
			Other:	Calibration Da	ate:	☐ 37 mm PVC Filter ☐ Other:			Other	
15. Prepared By:	I	<u> </u>	16. Date/Time Briefed:	1	HAZ	ZARD LIST: Potential	Health Effects	: Bruise/Lace	rations, Organ Dam	age, Central
1 1 1 2 2 3 2 3 7 1				Nervous System Effects, Cancer, Reproductive Damage, Low Back Pain, Temporary						
					Hear	ing Loss, Dermatitis, R	espiratory Eff	ects, Bone Bro	eaks, & Eye Burnin	
18. Safety Office	r Review:					ged in the ICS-208-CG			ring ICS-208-0	CG SSP-E
						Safety Plan and Incide			(rev 9/06)	
			Exposures shall be in	mmediately addr	ressed	to the IC and General	Staff for imme	ediate correcti	on. Page	of

CG ICS SSP: AIR	1. Incident Name	2. Date/Time	3. Operational Period	4. Safety Officer (i	nclude method of contact)		
MONITORING LOG		Prepared					
5. Site Location	6. Hazards of Concern	7. Action Levels (inc	elude references):	8. Weather: Temperature: 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:		Nervous System Effe	ects: Bruise/Lacerations, Organ lects, Cancer, Reproductive Damaring Loss, Dermatitis, Respirating	ICS-208-CG SSP-E-1 (rev 9/06): Page of			

CG ICS SSP: PERSONAL PROTECTIVE EQUIPMENT	1. Incident Name	2. Date/Time Prepa	ared	3. Operational Period	4. Safety Officer	(include method of contact)
5. Supervisor/Leader	6. Location and Size of Site	7. Hazards	Addressed:		8. For Emergence	ies Contact:
9. Equipment:					10	O. References Consulted:
11. Inspection Procedures:	12. Donning Procedur	es:	13. Dorning	g Procedures:		mitations and Precautions (include num stay time in PPE):
15. Prepared By:	16. Date/Time Briefed:	Nervous System E	ffects, Cance learing Loss,	e/Lacerations, Organ er, Reproductive Dam Dermatitis, Respirate	age, Low Back	ICS-208-CG SSP-F: (Rev 9/06) Page of

CG ICS SSP: DECONTAMINATION	1. Incide	ent Name	2. Date/Time Prepared	3. Operational Period	4. Safety Officer	(include method of contact)
5. Supervisor/Leader	6. Locat	ion and Size of Site	7. For Emergencies Contact:		8. Hazard(s) Add	lressed:
9. Equipment:					1	0. References Consulted:
11. Contamination Avoidance Pr	ractices:	12. Decon Diagram: 2	Attached, Drawn below		1	3. Decon Steps
14. Prepared By:	15. Date	/Time Briefed:	Potential Health Effects: Bruise Nervous System Effects, Cance Pain, Temporary Hearing Loss	er, Reproductive Dam	age, Low Back	ICS-208-CG SSP-G (rev 9/06):
			Breaks, Eye Burning			Page of

CG ICS SSP: ENFORCEMENT LOG	1. Incident Name	2. Date/Time Prepared	3. Operational Period	4. Safety Officer	(include method of contact)
5. Supervisor/Leader	6. For Emergencies Contact:			7. Attachments:	
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:	10. Date/Time Briefed:	Deficiency, Ionizing Radiat	Safety, Toxic, Explosion/Fit tion, Biological, Biomedical mic, Noise, Cancer, Dermati	, Electrical, Heat	ICS-208-CG SSP-H (rev 9/06): Page of

CG ICS SSP WORKER ACKNOWLEDGEMENT FORM	1. Incident Name	2. Site Loc	ation:	3. Attachments:	
4. Type of Briefing	5. Presented By:			6. Date Presented	7. Time Presented
Safety Plan/Emergency Response Plan Start Shift Pre-Entry Exit End of Shift Specify Other:					
8.a. Worker Name (Print)	8.b. Signature*			8.c. Date	8.d. Time
		T			
* By signing this document, I am stating the the plan and/or information provided to me		derstand	ICS-208-CG SSP-		Page of

CG ICS SSP: Emergency Safety & Response Plan 1910.120 Compliance Checklist (Form A)	1. Incident Name				upervisor/Leader	5. Location of Site
6.a. Cite: 1910.120	6.b. Requirement(sections that du	plicate or explain are omitted)	6.c. ICS Form	6.d. Check	6.€	e. Comments
(q)(1)	Is the plan in writing?		SSP-A			
(1)	Is the plan available for inspection		N/A		Perfe	ormance based
(q)(2)(i)	Does the plan address pre-emerger coordination?	ncy planning and	SSP-A			
(ii)	Does it address personnel roles?		SSP-A			
(ii)	Does it address lines of authority?		SSP-A			
(ii)	Does it address communications?		SSP-A			
(iii)	Does it address emergency recogni	oes it address emergency recognition?				
(iii)		es it address emergency prevention?				
(iv)	Does it identify safe distances?					
(iv)	Does it address places of refuge?	•				
(v)	Does it address site security and co	Does it address site security and control?				
(vi)	Does it identify evacuation routes?		SSP-A			
(vi)	Does it identify evacuation proced	ures?	SSP-A			
(vii)	Does it address decontamination?		SSP-A			
(viii)	Does it address medical treatment	and first aid?	SSP-A			
(ix)	Does it address emergency alerting	procedures?	SSP-A			
(ix)	Does it address emergency respons	se procedures	SSP-A			
(x)	Was the response critiqued?	•	N/A		Perfo	ormance based
(xi)	Does it identify Personal Protection	n Equipment?	SSP-A			
(xi)	Does it identify emergency equipn	nent?	SSP-A			
(q)(3)(ii)	All the hazardous substances ident	ified to the extent possible?	N/A		Perfo	ormance based
(ii)	All the hazardous conditions identi	fied to the extent possible?	N/A		Perfo	ormance based
(ii)	Was site analysis addressed?		N/A		Perfo	ormance based
(ii)	Were engineering controls address	ed?	N/A		Perfo	ormance based
(ii)	Were exposure limits addressed?		N/A		Perfo	ormance based
(ii)	Were hazardous substance handlin	g procedures addressed?	N/A		Perfo	ormance based
(iii)	Is the PPE appropriate for the haza	rds identified?	N/A		Perfo	ormance based
(iv)	Is respiratory protection worn whe	n inhalation hazards present?	N/A		Perfo	ormance based
(v)	Is the buddy system used in the ha	zard zone?	N/A		Perfo	ormance based
(vi)	Are backup personnel on standby?		N/A			ormance based
(vi)	Are advanced first aid support pers	sonnel standing by?	N/A		Perfo	ormance based
(vii)	Has the ICS designated safety office	cial been identified?	SSP-A			
(vii)	Has the Safety Official evaluated t	he hazards?	N/A		Perfo	ormance based
(viii)	Can the Safety Official communication	ate with IC immediately?	N/A		Perfo	ormance based
(ix)	Are appropriate decontamination p	rocedures implemented?	N/A		Perfo	ormance based
			ICS-2	08-CG SS	P-J (rev 9/06)	Page of

CG ICS SSP: 1910.120 COMPLIANCE CHECKLIST (Form B)	1. Incident Name	2. Date/Time Prepared	3. Operational Period	4. Site	Supervisor/Leader	5. Location of Site
6.a. Cite: 1910.120	6.b. Requirement(sections that dupl	icate or explain are omitted)	6.c. ICS Form	6.d. Check	6.e. Comments	
1910.120 (b)(1)(ii)(A)	Organizational structure?		203			
(B)	Comprehensive workplan?		IAP		Incid	ent Action Plan
(C)	Site Safety Plan?		SSP-B			
(D)	Safety and health training program?		N/A		Responsibi	lity of each employer
(E)	Medical surveillance program?		N/A		Responsibi	lity of each employer
(F)	Employer SOPs?		N/A		Responsibi	lity of each employer
(G)	Written program related to site activity	Vritten program related to site activities?				
(b)(1)(iii)	Site excavation meets shored or slop	e requirements in 1926?	N/A			
(b) (2)(i)(D)	Lines of communication?	•	201 203 205			
(b)3(iv)	Training addressed?		N/A		Responsibi	lity of each employer
(v)-(vi)	Information and medical monitoring	addressed?	N/A		Responsibi	lity of each employer
(b)4(i)	Site Safety Plan kept on site?	N/A		•		
(ii)(A)	Safety and health hazard analysis co	N/A				
(B)	Properly trained employees assigned	N/A				
(C)	Personnel Protective Equipment issu	SSP-F				
(E)	Frequency and types of air monitoring		SSP-E			
(F)	Site control measures in place?		SSP-B			
(G)	Decontamination procedures in place	e?	SSP-G			
(H)	Emergency Response Plan in place?		SSP-D			
(I)	Confined space entry procedures?		SSP-B			
(J)	Spill containment program		SSP-B			
(iii)	Pre-entry briefings conducted?		SSP-I			
(iv)	Site Safety Plan effectiveness evalua	ited?	SSP-H			
(c)(1)	Site characterization done?		N/A			
$(\mathbf{c})(2)$	Preliminary evaluation done by qual-	ified person?	N/A			
(c)(3)	Hazard identification performed?		SSP-B			
(c)(4)(i)	Location and size of site identified?		SSP-B			
(ii)	Response activities, job tasks identif	ied?	SSP-B			
(iii)	Duration of tasks identified?		SSP-B		Ope	rational period
(iv)	Site topography and accessibility add	dressed?	SSP-C			
(v)	Health and safety hazards addressed		SSP-B			
(vi)	Dispersion pathways addressed?		SSP-B			
(vii)	Status and capabilities of medical en	nergency response teams?	206			
(c)(5)(i)(iv)	Chemical protective clothing address		SSP-F			
(ii)	Respiratory protection addressed?	1 1 2	SSP-B and F			
(iii)	Level B used for unknowns?		N/A			
X /		IC	S-208-CG SS	P-K (rev	9/06): Page 1	• Page of

CG ICS SSP: 1910.120 COMPLIANCE	1. Incident Name 2. Date/Time Prepared	3. Operational Period				
CHECKLIST Form B (cont)						
6.a. Cite: 1910.120	6.b. Requirement(sections that duplicate or explain are omitted)	6.c. ICS Form	6.d. Check	6.e. Comments		
1910.120 (c)(6)(i)	Monitoring for ionization conducted?	SSP-E				
(ii)	Monitoring conducted for IDLH conditions?	SSP-E				
(iii)	Personnel looking out for dangers of IDLH environments?	N/A				
(iv)	Ongoing air monitoring program in place?	SSP-E				
(c)(7)	Employees informed of potential hazard occurrence?	SSP-B				
(c)(8)	Properties of each chemical made aware to employees?	SSP-B				
(d)(1)	Appropriate site control procedures in place?	IAP, SSP-B				
(d)(2)	Site control program developed during planning stages?	IAP, SSP-B				
(d)(3)	Site map, work zones, alarms, communications addressed?	IAP, SSP-B				
$(\mathbf{g})(1)(\mathbf{i})$	Engineering, admin controls considered?	SSP-B				
(iii)	Personnel not rotated to reduce exposures?	N/A				
(g)(5)(i)	PPE selection criteria part of employer's program?	N/A		Responsibility of employer		
(ii)	PPE use and limitations identified?	SSP-F				
(iii)	Work mission duration identified?	SSP-F				
(iv)	PPE properly maintained and stored?	N/A		Responsibility of employer		
(vi)	Are employees properly trained and fitted with PPE?	N/A		Responsibility of employer		
(vii)	Are donning and doffing procedures identified?	SSP-F				
(viii)	Are inspection procedures properly identified?	SSP-F				
(ix)	Is a PPE evaluation program in place?	SSP-F				
(h) (3)	Periodic monitoring conducted?	SSP-E				
(k)(2)(i)	Have decontamination procedures been established?	SSP-G				
(ii)	Are procedures in place for contamination avoidance?	SSP-G				
(iii)	Is personal clothing properly deconned prior to leaving the	SSP-G				
()	site?					
(iv)	Are decontamination deficiencies identified and corrected?	SSP-H	П			
(k)(3)	Are decontamination lines in the proper location?	SSP-C				
$(\mathbf{k})(4)$	Are solutions/equipment used in decon properly disposed of?	N/A				
(k)(6)	Is protective clothing and equipment properly secured?	N/A				
$(\mathbf{k})(7)$	If cleaning facilities are used, are they aware of the hazards?	N/A				
(k)(8)	Have showers and change rooms provided, if necessary?	N/A				
(l)(1)(iii)	Are provisions for reporting emergencies identified?	SSP-D				
(iv)	Are safe distances and places of refuge identified?	SSP-B and C				
(v)	Site security and control addressed in emergencies?	SSP-D				
(vi)	Evacuation routes and procedures identified?	SSP-D				
(vii)	Emergency decontamination procedures developed?	SSP-D				
(ix)	Emergency alerting and response procedures identified?	SSP-D				
(x)	Response teams critiqued and followup performed?	SSP-H				
(xi)	Emergency PPE and equipment available?	SSP-D				
()			D I/ (mor: 0/04	6): Page 2. Page of		

CG ICS SSP: 1910.120	1. Incident Name	2. Date/Time Prepar	red	3. Operational	Period	
COMPLIANCE						
CHECKLIST Form B (cont)						
6.a. Cite:	6.b. Requirement(sections that	duplicate or explain are	omitted)	6.c. ICS	6.d. Check	6.e. Comments
				Form		
1910.120 (l)(3)(i)	Emergency notification procedu			SSP-D		
(ii)	Emergency response plan separa			SSP-D		
(iii)	Emergency response plan compa	*	?	SSP-D		
(iv)	Emergency response plan rehear			SSP-D SSP-H		
(v)	Emergency response plan maint	Emergency response plan maintained and kept current?				
1910.165 (b)(2)	Can alarms be seen/heard above ambient light and noise levels?			N/A		
(b) (3)	Are alarms distinct and recognize	able?		N/A		
(b) (4)	Are employees aware of the alarms and are they accessible?			SSP-D		
(b) (5)	Are emergency phone numbers, radio frequencies clearly posted?			206		
(b)(6)	Signaling devices in place where there are 10 or more workers?			IAP		
(c)(1)	Are alarms like steam whistles,	air horns being used?		IAP		
(d)(3)	Are backup alarms available?			IAP		
(m)	Are areas adequately illuminated	1?		IAP		
(n)(1)(i)	Is an adequate supply of potable	water available?		IAP		
(ii)	Are drinking water containers ed	quipped with a tap?		IAP		
(iii)	Are drinking water containers cl	early marked?		IAP		
(iv)	Is a drinking cup receptacle avai	lable and clearly mark	ked?	IAP		
(n)(2)(i)	Are non-potable water container	s clearly marked?		IAP		
(n)(3)(i)	Are their sufficient toilets availa	ble?		IAP		
(n)(4)	Have food handling issues been	addressed?		IAP		
(n)(6)	Have adequate wash facilities been provided outside hazard zone?			IAP		
(n)(7)	If response is greater than 6 mor provided?	nths, have showers bee	en	IAP		
7. Prepared By:			ICS-20	8-CG SSP	-K (rev 9/0	6): Page 3. Page of

CG ICS SSP: 1910.120	1. Incident Name	2. Date/Time Prepared	3. Operational	4. Safety Officer (include method of contact)					
DRUM COMPLIANCE			Period						
CHECKSHEET									
5. Supervisor/Leader	6. Location and Size of Site	7. For Emergencies Contact:			8. Note: <u>tanks and vaults</u> should also be treated in the				
							scribed below [1910.120(j)(9)].		
				Ma	any can a	lso pos	e confined space hazards.		
					1	T			
9.a. Cite: 1910.120 (Cites									
that duplicate or explain		9.b. Requirement		9.c. Check 9.d. Comments					
requirements are omitted)	D DOT ONLY EDA			ļ <u> </u>	7				
(j)(1)(ii)	Drums meet DOT, OSHA, EPA reg			<u> </u>	<u> </u>				
(iii)	Drums inspected and integrity ensu		.2		<u> </u>	_			
(iii)	Or drums moved to an accessible lo				<u> </u>	1			
(iv)	Unlabelled drums treated as unknown		abeled?		<u> </u>	1			
(v)	Site activities organized to minimiz	C	1 0		<u> </u>	1			
(vi)	Employers properly warned about t	<u> </u>			<u> </u>	1			
(vii)	Suitable overpack drums are availal	<u> </u>	ptured drums?		<u> </u>	_			
(viii)	Leaking materials from drums prop				<u> </u>	<u> </u>			
(ix)	Are drums that cannot be moved, en				<u> </u>	_			
(x)	Are suspect buried drums surveyed				<u> </u>				
(xi)	Are soil and covering material above				<u> </u>	<u> </u>			
(xii)	Is the proper extinguishing equipme		fires?		<u> </u>	<u> </u>			
(j)(2)(i)	Are airlines on supplied air systems				<u> </u>	<u> </u>			
(ii)	Are employees at a safe distance, us			drums?	<u> </u>	<u> </u>			
(iii)	Are explosive shields in plane to pr				<u> </u>	<u> </u>			
(iv)	Is response equipment positioned be				<u> </u>	<u> </u>			
(v)	Are non-sparking tools used in flam				<u> </u>	<u> </u>			
(vi)	Are drums under extreme pressure		ted by shields/dist	tance?	<u>_</u>	_			
(vii)	Are workers prohibited from standi	<u> </u>			<u>_</u>	_			
$(\mathbf{j})(3)$	Is the drum handling equipment pos			ion?	<u>_</u>	_			
$(\mathbf{j})(5)(i)$					<u>_</u>	_			
(ii)	For shock sensitive drums: is handle			rkers?	<u>_</u>	_			
(iii)	Are alarms that announce start/finis				<u>_</u>				
(iv)	Are continuous communications in			d post?					
(v)	Are drums under pressure properly								
(vi)	ϵ_1		sensitive?						
(j)(6)(i)	Are lab packs opened by trained and								
(ii)									
(j)(8)(ii-iii)									
(iv)	Is bulking of drums conducted only	after drum contents have been p	properly identified	1?					
10. Prepared By:				Form	SSP-I	rev (rev	9/06) Page of		
			_		~~-	- (-•	01		

Site Safety and Health Plan ICS-208-CG (rev 9/06)

					1		- I			
Purpose.	The ICS Compa	tible Site Safety	and Health Plan is	designed for	or safety and	l health perso	onnel that use	the Incident Con	nmand Syster	n (ICS).
It is comp	atible with ICS a	nd is intended to	meet the requirem	ents of the	Hazardous \	Waste Opera	tions and Eme	ergency Respons	e regulation (Title 29.

Date/Time Prepared:

Operational Period:

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.

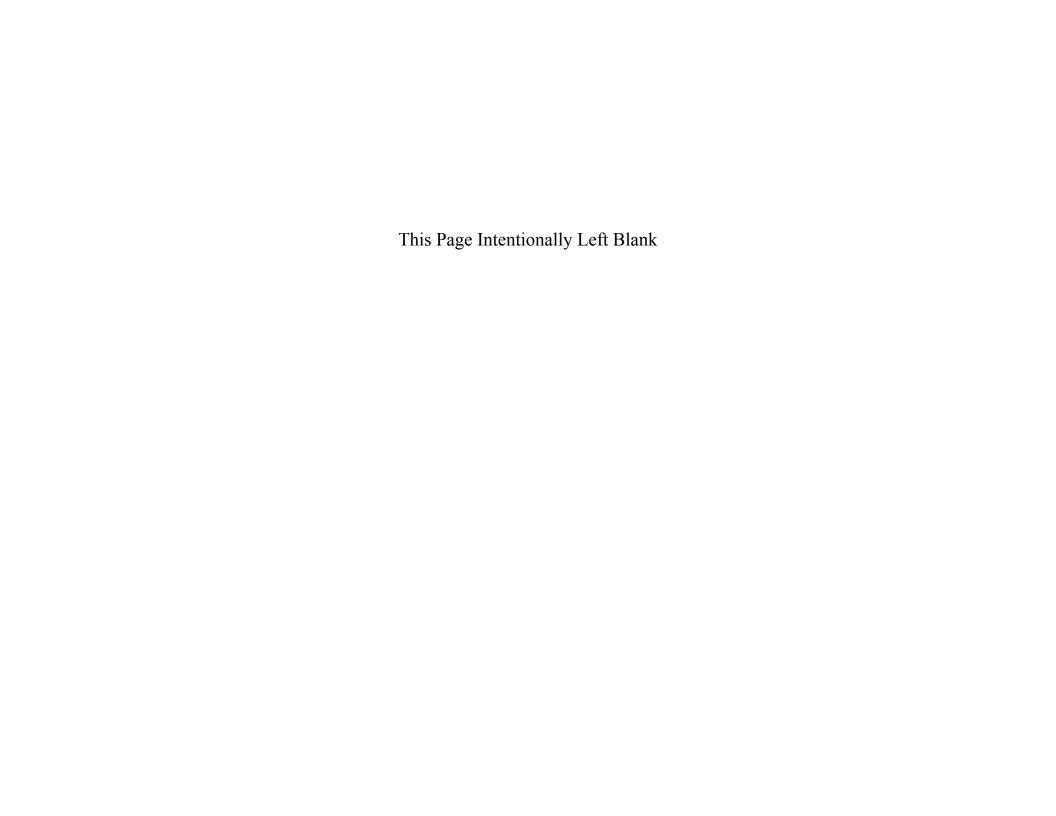
Questions on the document should be addressed to the Coast Guard Office of Incident Management and Preparedness (G-RPP).

Table of Forms

Incident Name:

FORM NAME	FORM#	USE	REQUIRED	OPTIONAL	ATTACHED
Emergency Safety and Response	A	Emergency response phase (uncontrolled)	X		
Plan					
Site Safety Plan	В	Post-emergency phase (stabilized, cleanup)	X		
Site Map	C	Post-emergency phase map of site and hazards	X		
Emergency Response Plan	D	Part of Form B, to address emergencies	X		
Exposure Monitoring Plan	Е	Exposure monitoring Plan to monitor exposure	X		
Air Monitoring Log	E-1	To log air monitoring data	X*		
Personal Protective Equipment	F	To document PPE equipment and procedures	X*		
Decontamination	G	To document decon equipment and procedures	X*		
Site Safety Enforcement Log	Н	To use in enforcing safety on site		X	
Worker Acknowledgement Form	I	To document workers receiving briefings		X	
Form A Compliance Checklist	J	To assist in ensuring HAZWOPER compliance		X	
Form B Compliance Checklist	K	To assist in ensuring HAZWOPER compliance		X	
Drum Compliance Checklist	L	To assist in ensuring HAZWOPER compliance		X	
Other:					

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



EMERGENCY SAFETY and RESPONSE PLAN	1. Inci	1. Incident Name 2. Date/Time Prepared				3. Operational Period 4. Attachments: Attach MSDS for each Chemical:				ach						
5. Organization IC/UC:	Safety	·			Entry	Team:			Ba	ackup Team	1:		on Team:			
_		_														
C - Dl 1 II 1 1		roup Supv:		. 🗆 🗆 (24	C-11 C	🗆 🖂	1	1		ı /T	<u> </u>		: : D. 1		
6.a. Physical Hazards and Protection			ace ☐ Nois ☐ Struck b													
6.c.	6d Entry	6.e.	6f.	6g. Shoes	6.h.	6i.	6j.	61. Wor		6.m.	6.n. Signs	6.p. Fa		6.r.	6.s.	6.t.
Tasks & Controls	Permit	Ventilate	Hearing	(type)	Hard	Clothing	Life	Rest (hr	rs)	Fluids	&	Protect	Post	Flash	Work	Other
			Protection		Hats	(cold wx)	Jacket			(amt/time)	Barricade		Guards	Protect	Gloves	
7.a. Agent		7.b. H	azards		7.c.	Target O	rgans	1 /	7.d.	Exposure F	Routes	7.f.	PPE	7.g.	Type of l	PPE
<i>S</i> .	Explo		Radioact	ive Ey	yes No					lation			Shield 🗌		71	
	Flamm		Carcino			tral Nervo				orption 🔲			Eyes 🔲			
		tive 🔲		zer 🔲		piratory				stion			Gloves 🔲			
	Biomed		Corros Specify Oth		Lungs [Kidney [ction nbrane			er Suit 🔲 🏻 sh Suit 🔲			
	1,	OXIC [specify Off		irculatory				IVICII				A Suit 🔲			
					Bone		er Specify				•] APR □			
													SAR 🔲			
													ridges 🔲			
8. Instruments: 8.	a. Action	8 h Chemi	cal Name(s):	8.c.	8.d. O	dor 8 e	Ceiling/	8.f.		8.g. Flash		Fire Res	8.i. Vapor	8.j. Sp	ecific	8.1.
o. mstruments.	Levels	o.o. Chemi	cai i vaine(3).	LEL/UEL	Thre	sh l	IDLH	STEL/T		Ignition I		ssure	Density	Gra		Boiling
02 🗆				%	Ppn	1				(F or C)) (r	nm)				Pt F or C
02 🔲																
CGI 🗌																
Radiation Tatal LICa					1									1		
Total HCs																
Colorimetric																
Thermal																
Other 🗌											~ ~ ~ ~					
									IC	:S-208-0	CG SS	P-A P	age 1 (re	ev 9/06): Page	e <u>1</u> of 9

EMERGENCY SAFETY and RESPONSE PLAN (Cont)	1. Incident Name	2. Date/Time Prepared	3. Operational Period	4. Attachments: Attach MSDS for each Chemical
9. Decontamination: Instrument Drop Off Outer Boots/Glove Removal Suit/Gloves/Boot Disposal	Other 🗌	Bottle Exchange Outer Suit Removal Inner Suit Removal SCBA/Mask Removal	☐ Inner Glov ☐ Work Clothe	Mask Rinse
10. <u>Site Map</u> . Include: Work 2. ☐ Attached, ☐ Drawn Below		erimeter, Places of Refuge, Dec	contamination Line, Evacua	ation Routes, Assembly Point, Direction of North
11.a. Potential Emergencies: Fire Explosion Other	11.b. Evacuation Alarms: 11.c Emc Safe Dis Bells #Rings Safe Dis Other:	ergency Prevention and Evacua tance:	ation Procedures:	
12. a. <u>Communications</u> : Radio Phone Other	12.b. Command #:	12.c. Tactical #:		12.d. Entry #:
13.a. <u>Site Security</u> : Personnel Assigned	13.b. Procedures:			13.c. Equipment:
14.a. Emergency Medical: Personnel Assigned	14.b. Procedures:			14.c Equipment:
15. Prepared by:	16. <u>Date/Time Briefed</u> :			ICS-208-CG SSP-A Page 2. (rev 9/06): Page 2 of 9

CG ICS SITE SAFETY PLAN (SSP) HAZARD ID/EVAL/CONTROL	1. Incident Name	2. Date/Time Prepared	3. Operational Period		4. Safety Officer (include method of contact)
5. Supervisor/Leader	6. Location and Size of Site	7. Site Accessibility Land Water Air Comments:	8. For Emergencies C		9. Attachments: Attach MSDS for each Chemical
10.a.	10.b.	10.c. Potential Injury & Health		0.e.	
Job Task/Activity	Hazards*	Effects		Controls: E	ngineering, Administrative, PPE
			Inhalation		
			Inhalation Absorption		
			Ingestion Injection Membrane		
			Inhalation		
			Inhalation		
			Inhalation		
11. Prepared By:	12. Date/Time Briefed:	*HAZARD LIST: Physical/Saf Ionizing Radiation, Biological, Ergonomic, Noise, Cancer, Derr	Biomedical, Electrical,	, Heat Stres	ss, Cold Stress,

CG ICS SSP: SITE MAP	1. Incident Name	2. Date/Time Prepared	3. Operational Period	4. Safety Officer (inclu	icer (include method of contact)			
5. Supervisor/Leader	6. Location and Size of Site	7. Site Accessibility Land Water Air Comments:	8. For Emergencies Contact:	9. Include: - Work Zones - Security Perimeter - Decontamination Lin	Locations of HazardsPlaces of RefugeEvacuation Routes			
10. Sketch of Site: ☐ Attached. ☐ Drawn Here								
11. Prepared By:	12. Date/Time Briefed:	HAZARD LIST: Physical/S Deficiency, Ionizing Radiati Heat Stress, Cold Stress, Erg Drowning, Fatigue, Vehicle,	on, Biological, Biomed gonomic, Noise, Cancer,	ical, Electrical, Dermatitis, (r	CS-208-CG SSP-C ev 9/06): ge 4 of 9			

CG ICS SSP: EMERGENCY RESPONSE PLAN	1. Incident	Name	2. Date/Time Prepare	ed	3. Operational Period	4. Safety Officer	(include method of contact)
5. Supervisor/Leader	6. Location	and Size of Site	7. For Emergencies (Contact:	1		NCLUDE ICS FORM 206 and esponse Procedures
9. Emergency Alarm (sound and location)	10. Backup location)	Alarm (sound and	11. Emergency Hand Signals 12. Emergency		12. Emergency Persona	Protective Equipn	nent Required:
13. Emergency Notification Pro	ocedures	14. Places of Refuge ((also see site map	15. Eme	rgency Decon and Evacua	ation 16. Site	e Security Measures
		form 208B)	(······	Steps			
17. Prepared By:	18. Date/Tii	l ne Briefed:	Deficiency, Ionizing	Radiation Ergonomic	Pety, Toxic, Explosion/Fire , Biological, Biomedical, e, Noise, Cancer, Dermatit	Electrical, Heat	ICS-208-CG SSP-D (rev 9/06) Page <u>5</u> of 9

CG ICS SSP:	Exposure	 Incident 		2. Date/Time		3. Operational Period:		4. Safety Officer (Method of Contact):			
Monitoring Pl	-			Prepared:							
5. Specific	6. Survey	7. Survey	8. Monitoring	9. Direct-		10. Air Sampling	11.	12.	13. I	Reasons to	14. Laboratory
Task/Operation	Location		Methodology	Reading			Hazard(s)	Monitoring	Mon	nitor	Support for
_				Instrument			to Monitor	Duration			Analysis
			☐ Personal Breathing Zone ☐ Area Air Monitoring ☐ Dermal Exposure Monitoring ☐ Biological Monitoring: ☐ Blood ☐ Urine ☐ Other ☐ Obtain bulk samples ☐ Other:	Manufacturer: Last Mfr Calibration Da	-	Sampling/Analysis Method: Collecting Media: Charcoal Tube Silica Gel 37 mm MCE Filter 37 mm PVC Filter Other:			Comp As PPE a Use	egulatory bliance ssess current adequacy alidate leering controls fonitor IDLH itions ther	
			☐ Personal Breathing Zone ☐ Area Air Monitoring ☐ Dermal Exposure Monitoring ☐ Biological Monitoring: ☐ Blood ☐ Urine ☐ Other ☐ Obtain bulk samples ☐ Other:	Model: Manufacturer: Last Mfr Calibration Da		Sampling/Analysis Method: Collecting Media: Charcoal Tube Silica Gel 37 mm MCE Filter 37 mm PVC Filter Other:			Comp A: PPE a engin M Cond O		
			☐ Personal Breathing Zone ☐ Area Air Monitoring ☐ Dermal Exposure Monitoring ☐ Biological Monitoring: ☐ Blood ☐ Urine ☐ Other ☐ Obtain bulk samples ☐ Other:	Manufacturer: Last Mfr Calibration D	-	Sampling/Analysis Method: Collecting Media: Charcoal Tube Silica Gel 37 mm MCE Filter 37 mm PVC Filter Other:			Comp As PPE a Use	egulatory bliance ssess current adequacy alidate teering controls fonitor IDLH titions ther	
			☐ Personal Breathing Zone ☐ Area Air Monitoring ☐ Dermal Exposure Monitoring ☐ Biological Monitoring: ☐ Blood ☐ Urine ☐ Other ☐ Obtain bulk samples ☐ Other:	Model: Manufacturer: Last Mfr Calibration Da	ate:	Sampling/Analysis Method: Collecting Media: Charcoal Tube Silica Gel 37 mm MCE Filter 37 mm PVC Filter Other:			Comp A: PPE a Pre a engin M Cond O		
15. Prepared By:			16. Date/Time Briefed:		Nerv	ZARD LIST: Potential yous System Effects, Caring Loss, Dermatitis, R	ıncer, Reprodu	ictive Damage	e, Low	Back Pain, T	emporary
18. Safety Office	r Review		Reporting: Monitoring							ICS-208-C	
			Log) and attached as pa						7	(rev 9/06)	J G BBI -E
			Exposures shall be imm							Page 6 of 9	

CG ICS SSP: AIR MONITORING LOG	1. Incident Name	2. Date/Time 3. Operational Period 4. Safety Office Prepared		4. Safety Officer	(include method of contact)
5. Site Location	6. Hazards of Concern	7. Action Levels (in	clude references):	8. Weather: Temperature: Wind: Relative Humidity Cloud Cover:	Precipitation: y:
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:		Potential Health Eff Nervous System Eff Pain, Temporary He Breaks, & Eye Burn	ICS-208-CG SSP-E-1 (rev 9/06): Page 7 of 9		

CG ICS SSP: PERSONAL PROTECTIVE EQUIPMENT	Incident Name Kirby Island Marine	2. Date/Time Prep 02DEC08 0700	ared	3. Operational Period	4. Safety Officer ((include method of contact)
5. Supervisor/Leader	6. Location and Size of Site	7. Hazard	s Addressed:		8. For Emergencie	es Contact:
9. Equipment:					10	. References Consulted:
11. Inspection Procedures:	12. Donning Procedure	es:	13. Doffing	g Procedures:		mitations and Precautions (include num stay time in PPE):
15. Prepared By:	16. Date/Time Briefed:	Nervous System E	ffects, Cancellearing Loss	e/Lacerations, Organ er, Reproductive Dan , Dermatitis, Respirat	nage, Low Back	ICS-208-CG SSP-F: (Rev 9/06) Page 8 of 9

CG ICS SSP: DECONTAMINATION	1. Incide	ent Name	2. Date/Time Prepared	3. Operational Period	4. Safety Officer	ficer (include method of contact)		
5. Supervisor/Leader	6. Locati	ion and Size of Site	7. For Emergencies Contact:		8. Hazard(s) Add	lressed:		
9. Equipment:					1	0. References Consulted:		
11. Contamination Avoidance Pr	ractions	12 Dagon Diagram:	Attached, Drawn below		1	3. Decon Steps		
			Attached, Diawii below			3. Decoil Steps		
14. Prepared By:	15. Date	Time Briefed:	Potential Health Effects: Bruise Nervous System Effects, Cance Pain, Temporary Hearing Loss	er, Reproductive Dam	age, Low Back	ICS-208-CG SSP-G (rev 9/06):		
			Breaks, Eye Burning			Page <u>9</u> of 9		

CG ICS SSP: ENFORCEMENT LOG	1. Incident Name	2. Date/Time Prepared	3. Operational Period	4. Safety Officer	(include method of contact)
5. Supervisor/Leader	6. For Emergencies Contact:		,	7. Attachments:	
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:	10. Date/Time Briefed:	HAZARD LIST: Physical/ Deficiency, Ionizing Radiat Stress, Cold Stress, Ergono Fatigue, Vehicle, & Diving	ICS-208-CG SSP-H (rev 9/06): Page of		

CG ICS SSP WORKER	1. Incident Name	2. Site Location:	3. Attachments:			
ACKNOWLEDGEMENT FORM						
				T = _, _		
4. Type of Briefing	5. Presented By:		6. Date Presented	7. Time Presented		
Safety Plan/Emergency Response Plan						
Start Shift Pre-Entry Exit End of Shift						
Specify Other:						
8.a. Worker Name (Print)	8.b. Signature*		8.c. Date	8.d. Time		
* By signing this document, I am stating th	at I have read and fully unde	erstand ICS-208-CG SSP-	ICS-208-CG SSP-I (rev 9/06): Worker Acknowledgement			
the plan and/or information provided to me				Page of		

910.120 Compliance Shecklist (Form A)			3. Operational Period	5 5	upervisor/Leader	5. Location of Site
6.a. Cite: 1910.120	6.b. Requirement(sections that duplicate or explain are omitted)		6.c. ICS Form	6.d. Check 6.		e. Comments
	Is the plan in writing?		SSP-A			
`	Is the plan available for inspection by employees?		N/A		Perfo	ormance based
			SSP-A			
(ii)	Does it address personnel roles?		SSP-A			
(ii)	Does it address lines of authority?		SSP-A			
(ii)	Does it address communications?		SSP-A			
(iii)	Does it address emergency recogni	ition?	SSP-A			
(iii)	Does it address emergency prevent	tion?	SSP-A			
(iv)	Does it identify safe distances?		SSP-A			
(iv)	Does it address places of refuge?		SSP-A			
(v)	Does it address site security and co	ontrol?	SSP-A			
(vi)	Does it identify evacuation routes?		SSP-A			
(vi)	Does it identify evacuation procedures?		SSP-A			
(vii)	Does it address decontamination?		SSP-A			
(viii)	Does it address medical treatment and first aid?		SSP-A			
` /	Does it address emergency alerting procedures?		SSP-A			
	Does it address emergency response procedures		SSP-A			
` /	Was the response critiqued?		N/A		Perfo	ormance based
	Does it identify Personal Protection Equipment?		SSP-A			
	Does it identify emergency equipment?		SSP-A			
	All the hazardous substances ident		N/A		Perfo	ormance based
	All the hazardous conditions identi		N/A		Perfo	ormance based
	Was site analysis addressed?	•	N/A		Perfo	ormance based
(ii)	Were engineering controls address	ed?	N/A		Perfe	ormance based
	Were exposure limits addressed?		N/A		Perfe	ormance based
(ii)	Were hazardous substance handling	g procedures addressed?	N/A		Perfe	ormance based
	Is the PPE appropriate for the haza		N/A		Perfe	ormance based
	Is respiratory protection worn when		N/A		Perfe	ormance based
	Is the buddy system used in the hazard zone?		N/A		Perfe	ormance based
	Are backup personnel on standby?		N/A		Perfe	ormance based
	Are advanced first aid support pers		N/A		Perfe	ormance based
	Has the ICS designated safety office		SSP-A			
` /	Has the Safety Official evaluated the		N/A		Perfo	ormance based
	Can the Safety Official communica		N/A			ormance based
· /	Are appropriate decontamination p		N/A			ormance based

CG ICS SSP: 1910.120 COMPLIANCE CHECKLIST (Form B)	1. Incident Name	2. Date/Time Prepared	3. Operational Period	4. Site S	Supervisor/Leader	5. Location of Site	
6.a. Cite: 1910.120	6.b. Requirement(sections that duplicate or explain are omitted)		6.c. ICS Form	6.d. Check	6.6	6.e. Comments	
1910.120 (b)(1)(ii)(A)	Organizational structure?		203				
(B)			IAP		Incide	ent Action Plan	
(C)	Site Safety Plan?		SSP-B				
(D)	Safety and health training program?		N/A		Responsibi	lity of each employer	
(E)	Medical surveillance program?		N/A		Responsibi	lity of each employer	
(F)	Employer SOPs?		N/A		Responsibi	lity of each employer	
(G)	Written program related to site activit	ties?	N/A			-	
(b)(1)(iii)	Site excavation meets shored or slope	e requirements in 1926?	N/A				
(b)(2)(i)(D)	Lines of communication?		201 203 205				
(b)3(iv)			N/A		Responsibi	lity of each employer	
(v)-(vi)	Information and medical monitoring a	addressed?	N/A		Responsibi	lity of each employer	
(b)4(i)	Site Safety Plan kept on site?		N/A				
(ii)(A)	Safety and health hazard analysis con	N/A					
(B)	Properly trained employees assigned	N/A					
(C)	Personnel Protective Equipment issue	SSP-F					
(E)	1.1		SSP-E				
(F)	Site control measures in place?	SSP-B					
(G)	Decontamination procedures in place	SSP-G					
(H)	Emergency Response Plan in place?	SSP-D					
(I)	Confined space entry procedures?	SSP-B					
(J)	Spill containment program	SSP-B					
(iii)	Pre-entry briefings conducted?		SSP-I				
(iv)	Site Safety Plan effectiveness evaluated?		SSP-H				
(c)(1)	Site characterization done?		N/A				
(c)(2)		fied person?	N/A				
(c)(3)		•	SSP-B				
(c)(4)(i)			SSP-B				
(ii)	Response activities, job tasks identified?		SSP-B				
(iii)	Duration of tasks identified?		SSP-B				
(iv)	Site topography and accessibility addressed?		SSP-C				
(v)	Health and safety hazards addressed?		SSP-B				
(vi)	Dispersion pathways addressed?		SSP-B				
(vii)	Status and capabilities of medical emergency response teams?		206				
$(\mathbf{c})(5)(\mathbf{i})(\mathbf{i}\mathbf{v})$			SSP-F				
(ii)	1 9	SSP-B and F					
(iii)	Level B used for unknowns?		N/A				
		IC	S-208-CG SS	P-K (rev 9	9/06): Page 1	. Page of	

CG ICS SSP: 1910.120	1. Incident Name 2. Date/Time Prepared 3. Operational Period						
COMPLIANCE							
CHECKLIST Form B (cont)							
6.a. Cite: 1910.120	6.b. Requirement(sections that dupli	6.c. ICS Form	6.d. (Check	6.e. Comments		
1910.120 (c)(6)(i)	Monitoring for ionization conducted		SSP-E				
(ii)	Monitoring conducted for IDLH con		SSP-E				
(iii)	Personnel looking out for dangers of	FIDLH environments?	N/A				
(iv)	Ongoing air monitoring program in	place?	SSP-E				
$(\mathbf{c})(7)$	Employees informed of potential haz	zard occurrence?	SSP-B				
(c)(8)	Properties of each chemical made av		SSP-B				
(d)(1)	Appropriate site control procedures	in place?	IAP, SSP-B				
(d)(2)	Site control program developed duri	ng planning stages?	IAP, SSP-B				
$(\mathbf{d})(3)$	Site map, work zones, alarms, comm	nunications addressed?	IAP, SSP-B				
(g)(1)(i)	Engineering, admin controls conside	ered?	SSP-B				
(iii)	Personnel not rotated to reduce expo	sures?	N/A				
(g)(5)(i)	PPE selection criteria part of employ	ver's program?	N/A			Responsibility of employer	
(ii)	PPE use and limitations identified?		SSP-F				
(iii)	Work mission duration identified?		SSP-F				
(iv)	PPE properly maintained and stored	?	N/A			Responsibility of employer	
(vi)	Are employees properly trained and	N/A			Responsibility of employer		
(vii)	Are donning and doffing procedures	SSP-F			7 7 7		
(viii)	Are inspection procedures properly	SSP-F					
(ix)	Is a PPE evaluation program in place	SSP-F					
(h) (3)	Periodic monitoring conducted?	SSP-E	Ī	7			
(k)(2)(i)	Have decontamination procedures be	SSP-G	Ī	7			
(ii)	Are procedures in place for contamin	SSP-G	Ī	7			
(iii)	Is personal clothing properly deconn		SSP-G	Ī	7		
,	site?	1 2					
(iv)	Are decontamination deficiencies id	entified and corrected?	SSP-H		7		
$(\mathbf{k})(3)$	Are decontamination lines in the pro	per location?	SSP-C				
$(\mathbf{k})(4)$	Are solutions/equipment used in dec		N/A				
$(\mathbf{k})(6)$	Is protective clothing and equipment		N/A				
$(\mathbf{k})(7)$	If cleaning facilities are used, are the		N/A				
$(\mathbf{k})(8)$	Have showers and change rooms pro	-	N/A				
(I)(1)(iii)	Are provisions for reporting emergencies identified?		SSP-D				
(iv)	Are safe distances and places of refuge identified?		SSP-B and C				
(v)	Site security and control addressed in emergencies?		SSP-D	Ī	<u> </u>		
(vi)	Evacuation routes and procedures identified?		SSP-D	Ī			
(vii)	Emergency decontamination procedures developed?		SSP-D	Ī	<u> </u>		
(ix)	Emergency alerting and response pro		SSP-D	Ī	7		
(x)	Response teams critiqued and follow	SSP-H	Ī	7			
(xi)	Emergency PPE and equipment avail		SSP-D	Ī	7		
				D IZ	(mor, 0	/ 06): Page 2. Page of	£

CG ICS SSP: 1910.120	1. Incident Name 2. Date/Time Prepared		3. Operational Period				
COMPLIANCE							
CHECKLIST Form B (cont)							
6.a. Cite:	6.b. Requirement(sections that duplicate or explain are omitted)		6.c. ICS	6.d. Check	6.e. C	omments	
				Form			
1910.120 (l)(3)(i)				SSP-D			
(ii)	Emergency response plan separa			SSP-D			
(iii)	Emergency response plan compa	*	?	SSP-D			
(iv)	Emergency response plan rehear			SSP-D			
(v)	Emergency response plan maint			SSP-H			
1910.165 (b)(2)	Can alarms be seen/heard above	ambient light and nois	se	N/A			
(b)(3)	levels? Are alarms distinct and recogniz	vahla?		N/A			
(b)(3) $(b)(4)$	Are employees aware of the alar		cible?	SSP-D			
(b)(5)				206			
(0)(3)	Are emergency phone numbers, radio frequencies clearly posted?			200			
(b) (6)	Signaling devices in place where there are 10 or more workers?			IAP			
(c)(1)	Are alarms like steam whistles, air horns being used?			IAP			
(d)(3)	Are backup alarms available?			IAP			
(m)	Are areas adequately illuminated?			IAP			
(n)(1)(i)	Is an adequate supply of potable water available?			IAP			
(ii)	Are drinking water containers equipped with a tap?			IAP			
(iii)	Are drinking water containers cl	early marked?		IAP			
(iv)	Is a drinking cup receptacle avail	lable and clearly mark	ced?	IAP			
(n)(2)(i)	Are non-potable water containers clearly marked?			IAP			
(n)(3)(i)	Are their sufficient toilets available?			IAP			
(n)(4)	Have food handling issues been addressed?			IAP			
(n)(6)	Have adequate wash facilities been provided outside hazard		IAP				
	zone?						
$(\mathbf{n})(7)$	If response is greater than 6 months, have showers been provided?			IAP			
				08-CG SSP-K (rev 9/06): Page 3. Page of			
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CG ICS SSP: 1910.120	1. Incident Name	2. Date/Time Prepared	3. Operational	4. Sa	Safety Officer (include method of contact)			
DRUM COMPLIANCE			Period					
CHECKSHEET								
5. Supervisor/Leader	6. Location and Size of Site	8			3. Note: tanks and vaults should also be treated in the			
					ame manner as described below [1910.120(j)(9)].			
				Many	can also pos	se confined space hazards.		
0 6'4 1010 100 (6'4						T		
9.a. Cite: 1910.120 (Cites						0.1.0		
that duplicate or explain requirements are omitted)	9.b. Requirement				9.c. Check	9.d. Comments		
(j)(1)(ii)	Drums meet DOT, OSHA, EPA reg	es for weste they contain includi	ng shinmont?					
(j)(1)(11) (iii)			ng sinpinent:					
(iii)	Or drums moved to an accessible lo	*	wement?					
(iv)	Unlabelled drums treated as unknown	<u> </u>						
(v)	Site activities organized to minimiz		abeleu:					
(vi)	Employers properly warned about t		ing drums?					
(vii)	Suitable overpack drums are availal				Ħ			
(viii)	Leaking materials from drums prop		prairea arams.					
(ix)		Are drums that cannot be moved, emptied of contents with transfer equipment?						
(x)	Are suspect buried drums surveyed with underground detection system?							
(xi)	Are soil and covering material above buried drums removed with caution?							
(xii)		s the proper extinguishing equipment on scene to control incipient fires?						
(j)(2)(i)								
(ii)	Are employees at a safe distance, us	sing remote equipment, when ha	ndling explosive di	rums?				
(iii)	Are explosive shields in plane to pr	otect workers opening explosive	drums?					
(iv)	Is response equipment positioned be	ehind shields when shields are u	sed?					
(v)	Are non-sparking tools used in flam	mable or potentially flammable	atmospheres?					
(vi)								
(vii)	Are workers prohibited from standing and working on drums?							
$(\mathbf{j})(3)$								
$(\mathbf{j})(5)(i)$	For shock sensitive drums, have all non-essential employees been evacuated?							
(ii)	For shock sensitive drums: is handling equipment provided with shields to protect workers?							
(iii)	Are alarms that announce start/finish of explosive drum handling actions in place?							
(iv)	Are continuous communications in place between the drum handling site & command post?							
(v)	Are drums under pressure properly controlled for prior to handling?							
(vi)								
W /\//\/	Are lab packs opened by trained and experienced personnel?							
(ii)								
	Are drum staging areas manageable				<u> </u>			
(iv)	Is bulking of drums conducted only	after drum contents have been p						
10. Prepared By:			F	form S	SP-L (rev	9/06) Page of		

SPE WORK SHEET AID

SPE RISK ASSESSMENT MODEL WORK SHEET

The SPE model assesses risks for specific hazards, such as those involved in launching or recovering a small boat or aircraft, by determining risk as a function of severity, probability, and exposure; i.e., Risk = f(S,P,E). This model uses this formula:

Risk = Severity x Probability x Exposure

Severity: Severity is an event's potential consequences measured in terms of degree of damage, injury, or impact on a mission. Should something go wrong, the results are likely to occur in one of the following areas:

- Injury or Death
- Equipment Damage
- Mission Degradation
- Reduced Morale
- Adverse Publicity
- Administrative and/or Disciplinary Actions.

Severity can vary from 1 to 5:

- 1= None or slight
- 2= Minimal
- 3= Significant
- 4= Major
- 5= Catastrophic

Probability: Probability is the likelihood that the potential consequences will occur.

Probability can vary from 1 to 5:

- 1= Impossible or remote under any conditions
- 2= Unlikely under normal conditions
- 3= About 50-50
- 4 = Greater than 50%
- 5= Very likely to happen

Exposure: Exposure is the amount of time, number of occurrences, number of people, and/or amount of equipment involved in an event, expressed in time, proximity, volume, or repetition.

Exposure can vary from 1 to 4:

- 1= None or below average
- 2= Average
- 3= Above average
- 4 = Great

Risk: By computing the level of risk, we can evaluate its potential impact on mission effectiveness and execution. After computing the risk values using the formula $\mathbf{Risk} = \mathbf{S} \times \mathbf{P} \times \mathbf{E}$, we need to control substantial to very high values:

SPE WORK SHEET AID

Values	Degree of Risk	Guidance
80-100	Very High	Discontinue, Stop
60-79	High	Correct Immediately
40-59	Substantial	Correction Required
20-39	Possible	Attention Needed
1-19	Slight	Possibly Acceptable

After computing the risk levels for each hazard identified, we can order hazards from the highest to the lowest risk to focus first on the areas of most concern in conditions of limited resources.