

GLOSSARY

Note: This Glossary is to be used in conjunction with the Response Functions Matrix. Except for marked items, "ability to provide" includes providing by contract.

Air Modeling - provide computer capability and/or qualified personnel to predict plume development over time based on specific environmental parameters

Air Sampling/Monitoring - provide equipment and personnel with the ability to collect and analyze air samples for specific contaminants and constituents.

Contaminated Debris Disposal - the ability to directly dispose of contaminated material and/or contract for its disposal

Contracting Expertise - personnel with expertise in activating BOAs and MOUs, and in general, experience with procuring contractor personnel and equipment support for response purposes

Contractor Supervising/Monitoring - ability to provide qualified agency personnel for purposes of contractor oversight during response operations

Discharge/Release Cleanup Personnel - the ability to provide personnel qualified to handle and remove contaminated debris

Discharge/Release Containment Operations - the ability to provide equipment and qualified equipment operators to prevent the further spread of discharged product

Discharge/Release Recovery Operations - the ability to provide equipment and qualified equipment operators to capture free-floating/standing product

Discharge/Release Source Matching - the ability to analyze and match chemical constituents of a known or mystery spill to a known product and/or source

Dispersant Application - the ability to execute and control the treatment of discharged/released product with dispersant on open-water

Dispersant Planning - the ability to design an effective strategy for dispersing product on open water; includes, eg., considerations such as air operations, current and tide conditions, dispersant-product ratio

Dispersant Monitoring - the ability to monitor the fate of dispersed product on open-water; includes the design and plan of an effective sampling strategy

Diving Expertise - ability to provide highly trained scuba divers and supporting dive equipment for salvage and/or search and recovery operations

Emergency Medical Technicians (EMT) - ability to provide and/or direct EMTs during a response

Emergency Response Teams - ability to provide highly trained personnel for the immediate control of spilled/released product

Finance and Compensation - the ability to finance both response to oil discharges and initiation of related NRDA. Also, the ability to provide a compensation role for damage and removal cost claims.

First Aid/ Medical Capabilities - ability to provide field equipment and qualified personnel to administer basic first aid services during a response.

Fire Assessment - Ability to provide personnel qualified to assess: how a fire should be fought, how it can be kept from spreading, how sources of heat, fuel and oxygen can be eliminated, the greatest danger from the fire, if the fire is under control, and how to guard against re-ignition?

Ground Water Modeling - provide computer capability to predict subsurface water flow

Ground Water Sampling/Monitoring - provide equipment and personnel with the ability to collect and analyze subsurface water for specific contaminants and constituents

Heat Stress Monitoring - the ability to provide qualified personnel who can assess a workers vulnerability to heat stress

Health and Safety Expertise - ability to provide highly trained personnel with health and safety oversight experience for spill response operations

Historic Properties Expertise - provide personnel with the ability to identify historic properties for protection in the event of a discharge or release

In-Situ Burn Monitoring - the ability to control the burning of spilled product on open-water

In-Situ Burn Operations - provide equipment and personnel with the ability to plan and execute the burning of spilled product on open-water

Internal Communications Management - the ability to provide effective communications networks for field and command operators, i.e., communications vans/portable units

Large-Scale Debris Removal - ability to directly transport and/or contract for the transport of debris

Large-Scale Equipment Decontamination - ability to establish and effectively operate and maintain decontamination stations

Large-Scale Remedial Cleanup Teams - ability to directly provide trained personnel and/or contract for trained personnel who will actively cleanup the spilled product

Medical Expertise - ability to provide medical doctors and other highly trained medical professionals to a response

Natural Resource Damage Assessment - ability to quantitatively value damages to the environment and economic services; expertise in injury determination and restoration alternatives

Off-Site Laboratory Support - ability to provide analytical services to include physical, biological, and chemical analysis related to the response

On-Land Storage Capability - provide land-based temporary storage for recovered product

On-Site Laboratory Support - ability to provide field-based support for the analysis of physical, biological, and chemical samples related to the response

On-Water Storage Capability - provide temporary storage afloat for recovered product

Operational Technical Expertise - ability to provide qualified command and control personnel for directing spill response operations at the command-level

Overflight Assessment - the ability to procure vehicles and personnel qualified to conduct aerial surveys of spilled products and/or the damage caused by spilled products

Product Hazards Analysis - the ability provide computer models and/or qualified personnel to predict oil, chemical, or radiological interaction (fate and effects) with the environment

Product Weathering and Fate - provide computers and personnel with the ability predict the physical and chemical changes of oil over time in the environment

Public Affairs Support - personnel with expertise in establishing and/or supporting a Joint Information Center, may include establishing a website

Public Health Expertise/Assessment - ability to characterize and evaluate the potential and existing threats to human health resulting from the spill/release

Public Medical Emergency Response Capability - ability to provide highly trained personnel to situations requiring emergency medical attention for the public

Radionuclide Analysis - the ability to provide the analysis of radionuclides

Resource/Cost Documentation Expertise - personnel with expertise in tracking and recording costs of equipment and personnel over the lifetime of the response

Risk Communication - expertise in communicating cleanup, public health, and environmental hazards to the public

Safety Plan Development - ability to provide personnel with expertise in operational safety to write safety plans for responders in the field

Salvage Response - ability to provide specially trained personnel and/or equipment to recover, remove, or re-floating of a vessel or particular piece of equipment.

Search and Recovery of Nuclear Material - the ability to effectively plan for and execute the search and recovery of nuclear materials

Shoreline Cleanup Operations - the ability to provide equipment and trained personnel to remove contaminants from shorelines

Shoreline Impact Assessment - ability to characterize and evaluate the extent and type of damage to shorelines resulting from spill/release

Site Safety Enforcement - ability to provide qualified personnel for safety oversight of field operations

Technical Expertise - the ability to provide personnel with expert qualifications in the physical, biological, and/or chemical analysis of oil, hazardous substances, and radiological materials

Vessel Damage Assessment - ability to provide detailed information on the type(s) and location(s) of damage to a vessel (ex. condition of hull, the engine and pump rooms, and power supplies)

Vessel Firefighting Capability - afloat capability to provide equipment and trained personnel to combat vessel fires

Vessel Plugging and Patching Capability - ability to provide material and trained personnel for purposes of temporarily stopping a leak or closing an open hole to the sea

Vessel Pumping Capability – The ability to provide portable and/or shipboard pumping equipment and operators to de-water or transfer fuel from a stricken vessel.

Vessel Salvage Rigging Capability - ability to provide equipment such as, cranes, lifting arms and winches for outfitting a salvage vessel

Vessel Salvage Software Calculations - ability to provide software/calculations for use by the salvage team when preparing a salvage operations plan; software is generally obtained from the stricken vessel's cargo loading software program and includes ship specific information

Vessel Salvage Towing Capability - ability to provide vessels and qualified crew capable of towing another vessel or object

Water Modeling - provide computer capability and/or qualified personnel to predict water movement over time based on specific environmental parameters

Water Sampling/Monitoring - provide equipment and personnel with the ability to collect and analyze water samples for specific contaminants and constituents.

Water Decontamination and Protection - ability to provide technical and operational expertise for ensuring the quality of water supplies

Wildlife Impact Assessment - ability to characterize and evaluate the extent and type of damage to wildlife resulting from spill/release

Wildlife Preemptive Measures - ability to provide qualified personnel to haze or remove wildlife from an area that may potentially be impacted from a discharge/release

Wildlife Rehabilitation - ability to provide facilities and trained personnel with the qualifications to implement corrective measures to improve the health of wildlife

LIST OF ACRONYMS

(DOS)	Department of State
(DOL)	Department of Labor
(DOE)	Department of Energy
(DOD)	Department of Defense
(DOJ)	Department of Justice
(DOI)	Department of Interior
(DOC)	Department of Commerce
(USDA)	Department of Agriculture
(USCG)	United States Coast Guard
(DOT)	Department of Transportation
(NRC)	Nuclear Regulatory Commission
(EPA)	Environmental Protection Agency
(FEMA)	Federal Emergency Management Agency
(DHHS)	Department of Health and Human Services
(DOT)	Department of Treasury
(SSC)	Scientific Support Coordinator
(SUPSALV)	United States Navy Supervisor of Salvage and Diving
(NPFC)	National Pollution Funds Center
(NSF)	National Strike Force
(ERT)	Environmental Response Team
(RERT)	Radiological Emergency Response Team
(DRG)	District Response Group
(OSHA)	Occupational Safety and Health Administration
(ACOE)	Army Corps of Engineers
(NOAA)	National Oceanic and Atmospheric Administration

NRT Response Committee: Subcommittee for NRT Activation

Response Function	Category	OPERATIONAL EXPERTISE																				
		EPA	EPA / ERT *	EPA / RERT *	DOT / USCG HQ	USCG / NSF	USCG / NPFC *	USCG / DRG*	DOD	DOD / SUPSALV *	DOD / ACOE	DOC / NOAA	NOAA / SSC *	DOE	DOI	FEMA	DOL / OSHA	DHHS	USDA	DOJ ^	DOS ^	Nuclear Reg Comm
OPERATIONAL EXPERTISE																						
Operational Technical Expertise	oil	x	x		x	x		x	x	x												
	chemical	x	x		x	x			x										x			
	radiation	x	x	x					x					x	x				x			x
SPILL SOURCE AND CONTENT ANALYSIS																						
Discharge/Release Source Matching	oil	x	x		x								x		x							
	chemical	x			x								x		x				x			
Product Hazards Analysis	oil	x	x		x	x							x		x							
	chemical	x	x	x	x	x							x		x				x			
	radiation	x		x										x	x				x			
Radionuclide Analysis	radiation	x											x						x			
SAMPLING/MONITORING and MODELING																						
Air Sampling/Monitoring	oil	x	x			x							x		x							
	chemical	x	x			x							x	x	x				x			
	radiation	x	x											x						x		
Air Modeling	oil	x	x										x									
	chemical	x	x										x	x								
	radiation	x	x											x	x							x
Water Sampling/Monitoring	oil	x	x										x		x							
	chemical	x	x										x	x	x				x			
	radiation	x	x											x	x				x			
Water Modeling	oil	x	x										x		x							
	chemical	x	x										x		x							
	radiation	x	x											x								x
Ground Water Sampling/Monitoring	oil	x	x											x	x							
	chemical	x	x											x	x				x			
	radiation	x	x											x	x				x			
Ground Water Modeling	oil	x	x												x							
	chemical	x	x												x				x			
	radiation	x	x											x	x				x			x
SCIENTIFIC EXPERTISE																						
Technical Expertise	oil	x	x		x	x		x					x	x	x				x			
	chemical	x	x		x	x		x					x	x	x				x	x		
	radiation	x		x										x	x				x	x		x
Product Weathering and Fate	oil	x	x										x		x							
	chemical	x	x										x		x							

* = Special Team

^ = Provided feedback, did not have any capabilities for the response functions listed

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Response Function	Category	LABS																				
		EPA	EPA / ERT*	EPA / RERT*	DOT / USCG HQ	USCG / NSF	USCG / NPFC*	USCG / DRG*	DOD	DOD / SUPSALV*	DOD / ACOE	DOC / NOAA	NOAA / SSC*	DOE	DOI	FEMA	DOL / OSHA	DHHS	USDA	DOJ	DOS	Nuclear Reg Comm
LABS																						
On-Site Laboratory Support	oil	x	x					x						x								
	chemical	x	x									x	x	x					x			
	radiation	x		x									x	x					x			
Off-Site Laboratory Support	oil	x	x		x						x	x		x			x	x				
	chemical	x	x		x						x	x	x	x			x	x	x			
	radiation	x	x										x				x	x				
ENVIRONMENTAL ASSESSMENT and MITIGATION																						
Wildlife Preemptive Measures	oil													x							x	
	chemical													x							x	
	radiation																				x	
Wildlife Rehabilitation	oil													x							x	
	chemical													x							x	
	radiation																					
Natural Resource Damage Assessment	oil		x								x			x							x	
	chemical		x								x			x							x	
	radiation			x							x											
Wildlife Impact Assessment	oil	x	x								x	x		x							x	
	chemical	x	x								x	x		x							x	
	radiation	x		x																		
Shoreline Impact Assessment	oil	x	x			x						x		x							x	
	chemical	x	x			x						x		x							x	
Historic Properties Expertise	oil	x												x							x	
	chemical	x												x							x	
	radiation	x																				
Overflight Assessment (day and night)	oil	x	x			x		x	x			x		x								
	chemical	x	x			x		x						x								
	radiation					x								x								

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Response Function	Category	SPILL CONTAINMENT AND RECOVERY																					
		EPA	EPA / ERT*	EPA / RERT*	DOT / USCG HQ	USCG / NSF	USCG / NPFC*	USCG / DRG*	DOD	DOD / SUPSALV*	DOD / ACOE	DOC / NOAA	NOAA / SSC*	DOE	DOI	FEMA	DOL / OSHA	DHHS	USDA	DOJ	DOS	Nuclear Reg Comm	GSA
Search and Recovery (nuclear material)	radiation	x		x				x					x	x									
	Discharge/Release Containment Operations	oil	x	x		x		x	x	x					x								
		chemical	x	x			x		x	x													
Vessel Firefighting Capability	radiation	x		x										x	x								
	oil					x		x		x													
	chemical					x		x															
Vessel Plugging and Patching Capability	radiation																						
	oil					x		x		x													
	chemical					x		x															
Vessel Pumping Capability	radiation																						
	oil					x		x		x													
	chemical					x		x		x													
Discharge/Release Recovery Operations	radiation	x	x			x		x	x	x													
	oil	x	x			x		x	x	x													
	chemical	x	x			x		x															
On-Water Storage Capability	radiation	x	x	x										x	x								
	oil					x		x		x													
	chemical					x		x															
On-Land Storage Capability	radiation	x	x					x	x														
	oil	x	x																				
	chemical	x	x							x													
CLEANUP OPERATIONS																							
Emergency Response Teams	radiation	x		x										x	x								
	oil	x	x			x			x	x													
	chemical	x	x			x			x														
Discharge/Release Cleanup Personnel	radiation	x	x	x																			
	oil	x	x		x				x	x													
	chemical	x	x			x			x														
Dispersant Planning	oil	x	x		x							x		x									
	chemical	x	x																				
Dispersant Applications	oil	x				x																	
	chemical	x																					
Dispersant Monitoring	oil	x	x			x						x		x									
	chemical	x	x											x									

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Response Function	Category	Agency/Department																				
		EPA	EPA / ERT*	EPA / RERT*	DOT / USCG HQ	USCG / NSF	USCG / NPFC*	USCG / DRG*	DOD	DOD / SUPSALV*	DOD / ACOE	DOC / NOAA	NOAA / SSC*	DOE	DOI	FEMA	DOL / OSHA	DHHS	USDA	DOJ	DOS	Nuclear Reg Comm
CLEANUP OPERATIONS																						
In-Situ Burn Planning	oil	x	x		x	x		x				x		x					x			
	chemical	x	x		x									x					x			
In-Situ Burn Operations	oil	x	x			x		x						x					x			
	chemical	x	x											x					x			
In-Situ Burn Monitoring	oil	x	x			x		x				x		x					x			
	chemical	x	x											x					x			
Shoreline Cleanup Operations	oil	x	x			x		x						x								
	chemical	x	x			x								x								
PUBLIC HEALTH and SAFETY																						
Public Health Expertise/Assessment	oil	x	x		x			x	x			x		x				x	x			
	chemical	x	x		x			x	x		x		x	x				x	x			
	radiation	x		x									x	x				x				x
Public Medical Emergency Response Capability	oil																	x				
	chemical												x					x				
	radiation												x					x				
Emergency Medical Technicians	oil	x				x		x	x					x				x				
	chemical	x				x		x	x					x				x				
	radiation	x											x					x				
Medical Expertise	oil								x									x	x			
	chemical								x					x				x	x			
	radiation													x				x	x			
Water Decontamination and Protection	oil	x	x											x				x	x			
	chemical	x	x											x				x	x			
	radiation	x		x									x					x				
First Aid/Medical Capabilities	oil							x	x					x				x	x			
	chemical							x	x					x	x			x	x			
	radiation												x					x				
OPERATIONAL HEALTH and SAFETY																						
Site Safety Enforcement	oil	x	x			x		x						x				x	x			
	chemical	x	x			x		x						x				x	x			
	radiation	x	x			x								x	x			x				

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Response Function	Category	Agency																					
		EPA	EPA / ERT*	EPA / RERT*	DOT / USCG HQ	USCG / NSF	USCG / NPFC*	USCG / DRG*	DOD	DOD / SUPSALV*	DOD / ACOE	DOC / NOAA	NOAA / SSC*	DOE	DOI	FEMA	DOL / OSHA	DHHS	USDA	DOJ	DOS	Nuclear Reg Comm	GSA
Safety Plan Development	oil	x	x			x		x				x		x	x			x					
	chemical	x	x			x		x				x		x	x			x					
	radiation	x	x	x		x							x	x				x				x	
Health and Safety Expertise	oil	x	x			x		x				x		x	x		x	x					
	chemical	x	x			x		x					x	x		x	x						
	radiation	x	x	x										x	x			x					
Heat Stress Monitoring	oil	x	x			x		x						x		x	x						
	chemical	x	x			x		x						x		x	x						
	radiation	x	x	x										x	x		x	x					
SALVAGE CAPABILITY																							
Fire Assessment	oil	x							x	x					x							x	
	chemical	x								x	x				x							x	
	radiation	x																					
Vessel Damage Assessment	oil	x			x	x		x	x	x					x								
	chemical	x			x	x		x	x	x					x								
	radiation	x																					
Salvage Response	oil					x		x	x	x					x								
	chemical					x		x	x	x													
	radiation																						
Vessel Salvage Rigging Capability	oil								x	x													
	chemical								x	x													
	radiation																						
Vessel Salvage Towing Capability	oil								x	x													
	chemical								x	x													
	radiation																						
Vessel Salvage Software Calculations	oil				x			x	x														
	chemical				x			x	x														
	radiation																						
Diving Expertise	oil	x	x					x	x						x								
	chemical	x	x						x						x								
	radiation	x	x																				
DECONTAMINATION and DISPOSAL																							
Large Scale Equipment Decontamination	oil	x							x	x													
	chemical	x																					
	radiation	x													x								

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Response Function	Category	Subcommittee for NRT Activation																					
		EPA	EPA / ERT*	EPA / RERT*	DOT / USCG HQ	USCG / NSF	USCG / NPFC*	USCG / DRG*	DOD	DOD / SUPSALV*	DOD / ACOE	DOC / NOAA	NOAA / SSC*	DOE	DOI	FEMA	DOL / OSHA	DHHS	USDA	DOJ	DOS	Nuclear Reg Comm	GSA
Large Scale Debris Disposal	oil	x	x						x										x			x	
	chemical	x	x																x				
	radiation	x		x										x									
Contaminated Debris Disposal	oil	x	x						x										x				
	chemical	x	x																x				
	radiation	x		x										x									
Large Scale Remedial Cleanup Teams	oil	x	x						x														
	chemical	x	x											x	x								
	radiation	x		x										x									
ADMINISTRATIVE																							
Contractor Supervising/ Monitoring	oil	x	x		x	x		x						x	x								
	chemical	x	x		x	x		x						x	x								
	radiation	x		x										x	x								
Internal Communications Management	oil	x			x	x		x	x				x	x	x								
	chemical	x			x	x		x					x	x	x								
	radiation	x												x	x								
Finance and Compensation	oil							x	x														
	chemical							x	x														
	radiation																						
Resource/Cost Documentation Expertise	oil	x	x			x		x	x	x					x					x			
	chemical	x	x			x		x							x					x			
	radiation	x	x																				
Contracting Expertise	oil	x	x					x	x	x				x	x								x
	chemical	x	x					x						x	x								x
	radiation	x	x	x										x	x							x	x
PUBLIC AFFAIRS																							
Public Affairs Support	oil	x			x	x		x					x	x	x			x	x				
	chemical	x			x	x		x						x	x	x			x	x			
	radiation	x												x	x	x			x				x
Risk Communication	oil	x	x		x	x		x					x	x	x	x			x	x			
	chemical	x	x		x	x		x					x	x	x	x			x	x			
	radiation	x												x	x	x			x	x			x

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