### Environmental Unit



# **Environmental Unit Role**

- Provides scientific / technical expertise to Unified Command
  - Recommendations based on available scientific data and subject matter expertise.
- Falls under Planning Section Chief
  - Comprised primarily of environmental technical specialists
- Works closely with Operations, Safety, Situation, Logistics, Liaison Officer, and Public Information Officer
  - Coordination with IMT on environmental related issues and concerns





### **Environmental Unit**



**Environmental Unit** 

# **Environmental Unit Organization**

Flexible based on incident needs...



RRT3 Guides / Tools

## **Environmental Consultation Guide / Form**

 Provide clear and consistent guidance and process to Coast Guard Federal On-Scene Coordinator (FOSC) on when and how to initiate Environmental consultation with the "Services" (i.e., National Marine Fisheries Service & U.S. Fish and Wildlife Service).

• Examples:

- NRT ESA Consultation Guidance
- Regional Response Team 3 Environmental Consultation Guide & Form for USCG 5th District Coastal Zone
- Regional Response Team 6 ESA / EFH BE Form for USCG 8th District Coastal Zone
- Provides information/resources to document the presence and effects of federal actions on federally listed threatened and endangered species, critical habitats, and/or essential fish habitats.
- Ongoing efforts to incorporate tools to assist FOSC in making species determinations.

Environmental Planning Trustee Consultations, May 2025



Regional Response Team (RRT) 6

AST Response WS

2025

Endangered Species Act (ESA) and Essential Fish Habitat (EFH) Biological Evaluation (BE) Form for U.S. Coast Guard Eighth District Coastal Zone

(Pre-Spill Consultation, Emergency Consultation, and Post Response Procedures)

Annex 29 June 2021



### Environmental BMPs for Oil Spill Response

### Environmental BMPs for Coastal Zone Oil Spill Response

RRT3

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AST Response WS 2025

Environmental Planning Trustee Consultations, May 2025



### General Response Operations

- Response personnel may not attempt to scare, herd, disturb, or harass any protected species to encourage them to leave the area. Coordination with National Oceanic and Atmospheric Administration (NOAA) Scientific Support Coordinator (SSC), U.S. Fish and Wildlife Service (USFWS) and/or National Marine Fisheries Service (NMFS) Stranding Coordinator, or appointed point of contact, may result in authorization for these actions.
- □ Report stranded, injured, sick, trapped, entangled, or dead wildlife to the Incident Commander (IC) and Environmental Unit as soon as possible to ensure appropriate agency notifications are made. Utilize the 'USFWS Wildlife Spill Response Survey' within the Survey123 app if available and being utilized for incident <u>ArcGIS Survey123</u> Downloads (esri.com). The USFWS species are preloaded into the Wildlife Spill Response Survey, however any species including NMFS species can be recorded in the app.
- □ If a sea turtle is stranded, injured, or sick, and <u>actively moving</u>, it should be retained onboard a vessel or if on land, responders should remain with the turtle until the stranding/rehabilitation personnel provide guidance on what action should be taken, which could include transferring the turtle to a designated stranding/rehabilitation facility.
- □ If a sea turtle is stranded, injured, or sick but unresponsive (doesn't move its head or flippers when handled), you should follow the handling and resuscitation guidelines after you have called the NOAA hotline at 866-755-NOAA (6622). Do not assume that an inactive turtle is dead. The onset of rigor mortis and/or rotting flesh are often the only definite indications that a turtle is dead. Releasing an unresponsive turtle into any amount of water may drown it. Unresponsive sea turtles may recover following resuscitation.
  - For your and the turtle's safety, always pick it up by the shell and keep your hands away from the head. Sea turtles have been known to revive up to 24 hours after resuscitation procedures have been followed. In accordance with Sea Turtle Resuscitation Regulations (50 CFR 223.206(d)(1)), steps for resuscitation can be found at <u>https://media.fisheries.noaa.gov/dammigration/sea\_turtle\_handling\_and\_resuscitation\_measures.pdf</u>.
- □ Handling live sturgeon should be minimized and used only when necessary. Sturgeon should be supported by a sling or net when being moved. Live sturgeon must never be held vertically by the tail or gills and should never be tied by the tail. Sturgeon should be kept in water to the maximum extent possible to reduce stress.
  - For a non-responsive or overly stressed sturgeon, personnel must allow the animal to recover in floating net pens or in well-aerated onboard live tanks and shielded from direct sunlight.
     Alternatively, the sturgeon may be immersed in clean river water and moved back and forth to aid water passage over the gills.
  - The sturgeon should be released as soon as possible when it has recovered. At water temperatures <7°C (44°F) and >27°C (80°F), holding time of a recovered sturgeon must not be greater than 30 minutes. A spotter should watch the fish as it is released making sure it stays submerged and does not need additional recovery immediately after release.
  - Sturgeon are extremely sensitive to chlorine and other sanitizing solutions. Use care when using
    any of these products around sturgeon.

### **Vessel Operations**

- All response vessel operators and crew must watch for and avoid collision with species protected under the ESA and MMPA (sea turtles, manatees, seals, dolphins, whales, Atlantic and short-nose sturgeon). The Environmental Unit can provide an updated list of protected species in the response area. When available a dedicated wildlife observer should be assigned for each response area.
- □ All response vessels shall maintain minimum distances specified below for specific species:
  - 1,500-ft distance (500 yards) from North Atlantic right whale.
  - 300-ft, as practicable, from all other marine mammals (i.e., dolphins, other whales, seals/pinnipeds, and porpoises):
    - Seal colonies will likely flush (i.e., move away from) from haul outs into the water at greater distances than 300-ft. Consideration should be given to the potential presence of pups on haul outs in certain seasons. A biologist associated with an authorized marine mammal stranding response program experienced in marine mammal/protected species identification should be onboard to advise location of boom deployment distances when possible.
  - 300-ft from waterfowl /seabird aggregation sites. Large numbers of sea birds and waterfowl winter in coastal waters bays and tributaries, with flocks of up to 5,000 individuals. Boat operations must maintain a minimum distance from waterfowl / sea bird aggregation sites.
  - 150-ft from sea turtles.
  - 50-ft from manatees (rare in RRT3). All in-water operations, including vessels, must be shut down if a manatee comes within 50 ft of the operation. Activities will not resume until the manatee(s) has moved beyond the 50-ft radius of the project operation, or until 30 minutes elapses if the manatee(s) has not reappeared within 50 ft of the operation. All on-site project personnel are responsible for observing water-related activities for the presence of manatees. Animals must not be herded away or harassed into leaving.
  - 100-ft from all other protected species not already listed above. Stop operating mechanical
    equipment, including response vessels, immediately if any protected species is observed within a
    100-ft radius and resume after the species has departed the area of its own volition.



### RRT3 Guides / Tools

## **ENVL Quick Reference Guide**

- Outlines essential roles, responsibilities, tasks, and recommendations to be taken under consideration by Environmental Unit members.
  - Deconflicted with both CG/EPA Guidance
  - Quick start guide for key actions that fall under ENVL.
    - General description and role
    - Technical Specialists (THSP) Supporting ENVL
    - ENVL Forms / Plans
    - Agencies / Organizations Supporting ENVL
    - Key ENVL Tasks

Environmental Planning Trustee Consultations, May 2025

RRT3 Environmental Unit Leader (ENVL) Quick Reference Guide (QRG)				
Introduction		Plans		
The purpose of this Environmental Unit Leader (ENVL) Quick Reference Guide (QRG) is to provide end-users with a condensed set of essential instructions, responsibilities, tasks, and recommendations to be taken under consideration by Environmental Unit	document sens	itive areas due to environmental, archaeo-cult	at Risk Summary (ICS 232), as appropriate, to identify and ural, or socio-economic resources at risk, and identify g (ICS 214) to capture EU members and activities.	
(EU) members. It is not a replacement for agency specific guidance or job aids but rather a quick start guide for key actions that fall under the role of the EU.	Work with tech	nical specialists (THSP), state and local authori	ties (e.g., health, environmental, natural resources), non-	
Environmental Unit (EU)		gencies (NGOs) and/or the Operations Section ment Plan, Decontamination Plan, Air Monitor	n in the development of supplemental plans (e.g., Disposal / ing Plan, Wildlife Management Plan).	
The EU provides scientific and technical expertise to the Unified Command (UC),	Coordinate with	h Liaison Officer (LOFR) as needed to coordinat	te with other cooperating agencies or stakeholders not	
ensuring environmentally sound response strategies. Led by the ENVL, the EU develops and monitors plans for a comprehensive range of activities. These include assessing			sues identified as being of interest to stakeholders.	
environmental impacts, conducting monitoring and surveillance, developing predictive			n may fall under the EU or Operations Section. The SCAT an that includes: 1) Organization of field surveys to	
models (e.g., trajectory, fate and transport), and recommending remediation strategies. The EU also plays a key role to ensure response actions comply with applicable	document shor	eline oiling conditions; 2) Habitat-specific shore	eline treatment methods / endpoints; 3) Development of	
environmental laws and regulations. This often involves data analysis and interpretation,			ine Inspection Reports (SIRs) to support sign-off of shoreline ment List (ICS 204) for SCAT, depending on the ICS structure.	
sampling plan development, response technology evaluation, and providing technical support to the Operations Section Chief with early and consistent communications to	Specific Agency	y / Organizations Supporting the ENVL		
assess response actions with the greatest net environmental benefit and monitoring environmental consequences. The EU should coordinate with the Safety Officer (SOFR)	Provided below	v are some of the key federal, state, and NGOs	that may provide support to the EU; it is not all inclusive.	
regarding potential environmental, safety, health risks, or hazards. The EU also prepares			National Oceanic and Atmospheric Administration (NOAA) Scientific Support Coordinator (SSC): Principal Scientific	
environmental data for the Situation Unit to inform overall situational awareness.	Incident Cor	mmander, contractors, OSROs)	Advisor to the FOSC	
Technical Specialists (THSP) Supporting ENVL Evaluate and determine appropriate staffing needs to meet UC goals, including potential		ter Experts (SMEs) can be assigned to the above as appropriate	<ul> <li>SCAT Coordinator, Data Analyst, and Field Staff: Manage the SCAT Program</li> </ul>	
use of the below THSP to support the EU; not all incidents will require a robust EU.	U.S. Coast Gua		<ul> <li>Environmental Response Management Application (ERMA) Database Managers: Establish and maintain the</li> </ul>	
Scientific Support Coordinator: Principal Scientific Advisor to the FOSC (not the ENVL).		oonse Advisory Team (DRAT), Sector	Common Operational Picture (COP) for USCG	
Trajectory Forecasting Specialist: Providing projections on movement / behavior of spill to include trajectories, plume monitoring, and fates / effects of the released hazardous		National Strike Force (NSF)	National Marine Fisheries Service (NMFS): Resources at Risk, Endangered and Threatened Species, Endangered	
substance or discharge of oil.		tal Response Team (ERT)	Species Act (ESA) Section 7 Consultations	
Data Analyst: Collect and conduct environmental data quality control, interpretation, and			<ul> <li>National Weather Service (NWS): Weather forecasts</li> <li>Natural Resource Damage Assessment (NRDA) Liaison:</li> </ul>	
development of environmental summaries and metrics for IMT Staff. GIS Specialist: Incorporation of environmental data and information into display products.	➤ EPA Contrac	tors: Provide air monitoring and water/soil	Coordination between NOAA NRDA activities and response operations	
Weather Forecast Specialist: Develop real-time and incident-specific weather forecasts.		articularly regarding public health.	State/Commonwealth Representatives	
Sampling Specialist: Sampling plan development and monitor / evaluate implementation.	> DOI Regiona	al Environmental Officer (REO)	State Historic Preservation Office (SHPO)	
Response Technology Specialist: Providing mechanical containment and recovery,	<ul> <li>U.S. Fish &amp; V</li> </ul>	Wildlife Service (USFWS) Refuge Managers, ment, Field Spill Response Coordinator	<ul> <li>Environmental/Natural Resource/State Park Agencies</li> <li>State Health Department and/or Seafood Safety (public</li> </ul>	
dispersant application, in-situ-burning, and bioremediation expertise.	USFWS Surv	ey123 Spill Response Wildlife Survey,	health, water, air, sediment, shellfish safety) State NRDA Liaison: Coordination of NRDA activities and	
Resources at Risk Specialist: Identify resources at risk from exposure to spilled product and response activities. Recommend priorities for protection based on importance / risks.		and data manager ogists: Resources at Risk, Endangered Species	response operations	
Historic/Cultural Resources Specialist: Identify historical / cultural sites and develop			Non-Governmental Organizations (NGOs)	
strategies for protection / cleanup of sites to minimize damage from response activities. <u>Wildlife Specialist</u> : Develop Wildlife Management Plan and provide wildlife expertise.	and respons	e operations.	Tri-State Bird Rescue & Research: Oiled Wildlife Responders & SMEs	
Disposal/Waste Management Specialist: Develop Disposal Plan and validate disposal data.	<ul> <li>National Par and SMEs</li> </ul>	rk Service (NPS) Managers, Law Enforcement,	National Aquarium     Marine Education, Research & Rehabilitation (MERR)	
Shoreline Cleanup Assessment Technique (SCAT) Coordinator: Shoreline assessments,		ntatives (if applicable)	Institute	
recommendations for shoreline treatment methods/endpoints, shoreline inspection against cleanup endpoints, and recommendations for signoff of treated shorelines.	<ul> <li>Tribal Liaiso</li> <li>Tribal Monit</li> </ul>	n / Tribal Historic Preservation Officer (THPO)	Academic institutions     Environmental stakeholder liaisons (e.g., riverkeepers)	
- generation of a second secon		tor	<ul> <li>Environmental stakenoloer halsons (e.g., riverkeepers)</li> </ul>	
		or	(-18)	
against cleanup enopoints, and recommendations for signoir of useries shorelines. RRT3 Environmental Unit L		or	(-18)	
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RRT3 Environmental Unit I           General Tasking           action and participate in meetings, briefings, and debriefings, as requested to provide environmental input during briefings and clarifying any environmental aspects.           Support the development of the incident Action Plan (LAP).           Maintain and submit Environmental Unit Log (CS 24.6).           Conduct EU traifing / space requirements including use of THSP over the duration on THSP needs and staffing should also be coordinated with Operations Section and SOFF Jubmit resource request from (ICS 21388) for parsonnel and/or equipment required Planning Section Chief for approval; continuously asses resources ready for demobility coordinate with the Laisson Office (LOPR), Public Information Officer (Plo), and SOFF assess environmental data to address stakeholder perceptions and concerns about en safety, health cits, and hazarding, may include development of prevention materialis providing THSP regarding the summary and evaluation of environmental data.           Condinate with the LSSC on special scientific topics, as necessary.	e sues, etc. of the response; R. to the zation. to compile and wirronmental,	Or  VVL) Quick Reference Gui Data Analysis / Quality Control Upport the Situation Unit in establishme Operating Picture (COP): puport develog discharge / release, horeline impacts, tr. Ensure that all data and information proc results, SCAT data, wildlife result / record support data, midlife result / record Support of Response Operations Develop incident-specific BMP recommen input; Note Tath there may be existing ter implementation during the initial response Coordinate with Operations Section Chief flight restrictions, as necessary, for sensit Recommend staging areas and access poi Under the SCAT Program (ff established),	ide (QRG)* int of a GIS-based data management team and a Common oment of environmental maps / charts (e.g., extent of ajectories, wildlife survers). Jucts are reviewed for accuracy and quality assurance. tion presentations / packages and provide to STL / OOCL mentation (e.g., sampling / monitoring locations and very data, overflight maps, chemistry data, trajectories). distions for the Operations Section Chief based on agency mplates to work from or existing general BMPs for initial e. / Air Operations Branch to recommend establishment of we wildlife and assitive areas. Ins that will minimize potential environmental impacts. develop horeline assessment and clearup plans, including soreline Treatment Recommendation (STRs), and	
RRT3 Environmental Unit L           General Tasking           attend and participate in meetings, briefings, and debriefings, as requested to provide environmental input during briefings and clarifying any environmental aspects.           Support the development of the incident Action Plan (IAP).           Maintain and submit Environmental Inbut (bg (ICS 214).           Conduct EU meetings to assign tasks, set priorities, assess personnel needs, identify its Determine EU staffing / space requirements including use of THSP over the duration on THSP meeds and staffing (ICS 2138R) for personnel and/or equipment required Planning Section Chief for approval; continuously assess resources ready for demobilit Coordinate with the Liaison officer (LOFR), Public Information Officer (PIO), and SOFR assess environmetal data to address stakeholder perceptions and concerns about en safety, health Tisks, and heards, may include development of presentation materials i providing TYPP regaring the summary and evaluation of environmental data.	Leader (E sues, etc. of the response; 8. to the to the to to the tation. for briefings or	A strain of the situation avareness and docurresults, SCAT data, wildlife rescue / recordinge with Operations	ide (QRG)* int of a Gi5-based data management team and a Common ment of environmental maps / charts (e.g., extent of ajectories, wildlife surveys). ducts are reviewed for accuracy and quality assurance. tion presentations / packages and provide to 3TL / DOCL mentation (e.g., sumpling / monitoring locations and very data, overflight maps, chemistry data, trajectories). dations for the Operations Section chief based on agency mplates to work from or existing general BMPs for initial e. / Air Operations Branch to recommend establishment of we wildlife and sensitive areas. / Air Operations Stanch to recommend establishment of we wildlife and sensitive areas. / Air Operations Stanch to recommend stablishment of we wildlife and sensitive areas. / accurate the commendation (STRs), and orms and procedures. etion Chief to essure they clearly understand the	
RRT3 Environmental Unit I     General Tasking     Attend and participate in meetings, briefings, and debriefings, as requested to provide     environmental input during briefings and clarifying any environmental aspects.     Support the development of the incident Action Plan (IAP).     Maintain and submit Environmental Unit Log (ICS 214).     Orduct EU meetings to assign tasks, set priorities, assess personnel needs, identify is     Determine EU staffing / space requirements including use of THSP over the duration o     THSP needs and staffing should also be coordinated with Operations Section and SOFF     Jubmit resource request froms (ICS 2138R) for personnel and/or equipment required     Planning section Chief for approval; continuously assess resources ready for demobilis     coordinate with the Laisson Offer (UCPR). Public Information Officer (Plo), and SOFE     assess environmental data to address stakeholder perceptions and concerns about en     safety, health cits, and hazardin, may include development of pervention materials:     providing THSP regarding the summary and evaluation of environmental data.     Coordinate with the SSC on special scientific topics, as necessary.     Trajectories, Fate, Behavior, and Forecasts     Comple Information offers plans for use access     Comple Information of the spille poduct characteristics (chemistry, behavior), fate     Create comprehensive quality assurance, sampling, and analysis plans for use access	Leader (E sues, etc. of the response; R. to the eation. to compile and wironmental, for briefings or s, and effect.	or  VVL) Quick Reference Gui  Data Analysis / Quality Control  Gerating Pattore (COP): pupport develog dicharge / release, shoreline impacts, tri Ensure that all data and information proc Prepare anniorizematic data, middler execut / record support of Response Operations  Guordinate with Operations Section Chief flight restrictions, as necessary, for sensit  Genomend staging areas and access poil  Guordinate with Operations Section Chief flight restrictions, as necessary, for sensit  Genomend staging areas and access poil  Guordinate with Operations Section Chief flight restrictions, as necessary, for sensit  Recommend flag lingsbergen and algorit fr  Necommend final lingscion and algorit fr  Necommend final lingscion and algorit  Coordinate with the Operations S  Soboreline treatment exomemend	ide (QRG)* int of a Gi5-based data management team and a Common ment of environmental maps / charts (e.g., extent of ajectories, wildlife surveys). ducts are reviewed for accuracy and quality assurance. tion presentations / packages and provide to 3TL / DOCL mentation (e.g., sumpling / monitoring locations and very data, overflight maps, chemistry data, trajectories). dations for the Operations Section chief based on agency mplates to work from or existing general BMPs for initial e. / Air Operations Branch to recommend establishment of we wildlife and sensitive areas. / Air Operations Stanch to recommend establishment of we wildlife and sensitive areas. / Air Operations Stanch to recommend stablishment of we wildlife and sensitive areas. / accurate the commendation (STRs), and orms and procedures. etion Chief to essure they clearly understand the	
RRT3 Environmental Unit I           General Tasking         Attend and participate in meetings, briefings, and debriefings, as requested to provide environmental input during briefings and carrying any environmental aspects.           Support the development of the incident Action Plan (LAP).         Maintain and submit Environmental Unit Log (ICS 214).           Conduct EU meetings to assign tasks, set priorities, assess personnel needs, identify is or THSP needs and staffing should also be coordinated with Operations Section and SOFF           Submit Environmental Unit Log (ICS 213/RR) for personnel and/or equipment required Planning Section Chief for approval; continuously assess resources ready to demobility continuously assess resources readers to development of presentation of Tics (FOR), health risks, and hazards; may include development of presentation and soFF           Coordinate with the Lision Officer (LOFR), Public Information Officer (FIO), and SOFR asses environmental data.         Coordinate with the SSC on special scientific topics, as necessary.           Trajectories, Fate, Behavior, and Forecasts         Comple Information on the spilled product characteristics (chemistry, behavior), fate           Comple Information on the spilled product characteristics and spis for use across in Plans may include arranging for collection of Source and field samples for characteristics	Leader (El e sues, etc. of the response; a. to the cation. to compile and wironmental, for briefings or e, and effect. the incident. ation and/or	or  VVL) Quick Reference Gui  Data Analysis / Quality Control  Upport the Situation Unit in establishme Operating Future (COF): puoport develog discharge / release, shoreline impact, tot Future CoT and the and information proc Fuppare environmental data and information to support all data and information proc Fuppart of Response Operations  Overlop incident-specific BMP recomment input; Note that there may be existing ter implementation during the initial respons Coordinate with Operations Section Chlef flight restrictions, as necessary, for sensit Coordinate with Operations Section Chlef flight restrictions, as necessary, for sensit Recommend staging areas and access poi Under the SCAT Program (ff established), endpoint recommend alignoff for Coordinate with the Operations Section Coordinate with the Viderate Commend Coordinate with the Viderate Commend Coordinate with the Viderate Commend Commend Section Chlef Coordinate with the Operations Section Coordinate with the Viderate Commend Commend Coordinate with the Viderate Commend	ide (QRG)* int of a GIS-based data management team and a Common oment of environmental maps / charts (e.g., extent of ajectories, wildlife surveys). data tar ereviewers of procuracy and quality assurance. thon presentations / packages and provide to STL / DOCL mentation (e.g., sumpling / monitoring (locations and very data, overflight maps, chemistry data, trajectories). dations for the Operations Section Chief based on agency uplates to work from or existing general BMPs for initial e. / Air operations Branch to recommend establishment of we wildlife and sensitive areas. Ints that will minimize potential environmental impacts. develop shoreline assessment and cleanup plans, including oreline Treatment Recommendations (STRJ), and mms and procedures. etions. Chief to ensure they clearly understand the tions. Explicit the U for complex shoreline treatment conditions.	
RRT3 Environmental Unit I           General Tasking         Attend and participate in meetings, briefings, and debriefings, as requested to provide environmental input during briefings and clarifying any environmental aspects.           Support the development of the incident Action Plan (IAP).         Maintain and submit Environmental Unit Log (ICS 214).           Conduct EU meetings to assign tasks, set priorities, assess personnel needs, identify is other mines EU staffing / space requirements including use of THSP over the duration on THSP needs and staffing (solid also be coordinated with Operation Section and SOF6 planning Section Chief for approval; continuously assess resources ready from a space of the section of source and field samples for characteristic fungerinting analysis, including split samples for On-section coordinators, RP / PRP, T	Leader (E sues, etc. of the response; a. to the tation. to compile and wironmental, for briefings or and effect. the incident. ation and/or rustese; etc.	VVL) Quick Reference Gui     Data Analysis / Quality Control     Support the Situation Unit in establishme     Operating Pittore (COP): pupport develog     discharge / release, shoreline impacts, tr         ensure that all data and information proc     repare environmental data and information proc     reputs excited data, wildfler encource / recource environmental data environmental data     results, SCAT data, wildfler encource / recource data, wildfler precess / recomend final inspection and signoff     fight restrictions, as necessary, for sensit     inder the scattor here any be existing ter     implementation during the initial response     fordinate with Operations Section Chief     inder the SCAT Program (fer established),     endopint recommend final inspection and signoff         recommend final inspection and signoff         x Coordinate with the Operations Section Chief         shoreline treatment commend         x Recommend operations Section Chief         codinate with the Wildfler Branch (if est         wildfler protection / recommend final respection         Recommend toperations Section Chief         coordinate with the Wildfler Branch (if est         N Recommend operations Section file         Recommend operations Section Chief         coordinate with the Operations Section Chief         coordinate with the Wildfler Branch (if est         N Recommend Toperation Section Chief         coordinate with the Wildfler Branch (if est         Necommend Section Chief         coordinate with the Vietner profites an         recommend Toperation Section Chief         coordinate with the Vietner Section Chief         coordinate with the Vietner profites an         coordina	ide (QRG)* int of a GiS-based data management team and a Common soment of environmental maps / charts (e.g., extent of ajectories, wildlife surveys). ducts are reviewed for accuracy and quality assurance. to presentations / packages and provide to STL / DOCL mentation (e.g., sampling / monitoring locations and every dats, overflight maps, chemistry data, trajectories). didtions for the Operations Section Chief based on agency mplates to work from or existing general BMPs for initial e. / Air Operations Branch to recommend establishment of twe wildlife and sensitive areas. Inst that will minimize potential environmental impacts. devices phoreline assessment and clearup plans, including oreline Treatment Recommendations (STRs), and mms and procedures. etoins Chief to ensure they clearly understand the toins. Rep in the EU for complex shoreline treatment conditions. tablished) under the Operation Section to provide input on distrategies.	
RRT3 Environmental Unit I           General Tasking           attend and participate in meetings, briefings, and debriefings, as requested to provide environmental input during briefings and clarifying any environmental appects.           Support the development of the incident Action Plan (LAP).           Maintain and submit Environmental Unit Log (CS 24.6).           Onduct EU traifing / space requirements including use of TH2P over the duration on TH5P meeds and staffing should also be coordinated with Operations Section and SOFF           Jubmit resource request from (ICS 21388) for personnel and/or equipment required Planning Section Chief for approval; continuously assess resources ready for demobilis providing TH3P regarding the summary and evaluation of environmental data.           Coordinate with the Laisson Office (LOPR), Public Information Officer (Pio), and SOFE           Coordinate with the Laisson Office (LOPR), Public Information Officer (Pio), and SOFE           Coordinate with the Laisson Office (LOPR), Public Information Officer (Pio), and SOFE           Coordinate with the SSC on special scientific topics, as necessary.           Trajectories, Fate, Behavior, and Forecasts           Comple information on the spilled product characteristics (chemistry, behavior), fate Presending sality, assisting and analysis plans for use across in Fingerprinting analysis, mainting and science and idea samples for characteris infragerprinting analysis, and acardity pairs samples of characteris infragerprinting analysis, and acardity saturance, sampling, and analysis plans for use across in Fingerprinting analysis, condition sethy NADA, Intergang Modeling and Atmosery. </td <td>Leader (E sues, etc. of the response; a. to the tation. to compile and wironmental, for briefings or and effect. the incident. ation and/or rustese; etc.</td> <td>VVL) Quick Reference Gui     Data Analysis / Quality Control     Jupport the situation Unit in establishme     Operating Pitter (CO?): support develog     discharge / release, Ihoreline impact, tr.     ensure that all data and information proc     Prepare environmental data and information     to support di Response Operations     Oevelop indient-specific BMF recomment     implementation during the initial respons     Coordinate with Operations Section Chief     flight test/Ction, sa necessary, for samstin     endopint restinging areas and access poi     onder the SCAT Program (if established).     Recommend final impaction and signoff     for commend Operations Section Chief     flight test/Ctiona, sa necessary, for samstin     ondopint restinging areas and access poi     ondopint restiment recommendia     &gt; Recommend final impaction and signoff        Becommend final impaction section Chief     flight restrictiona, sa necessary, for samstin     shoreline treatment recommend     &gt; Recommend final impaction and signoff        Condinate with the Wildlife Branch (if est        Commend Operations Section or the same section chief     flight restriction, sa necessary, for samstin</td> <td>ide (QRG)* int of a GiS-based data management team and a Common ment of environmental maps / charts (e.g. extent of ajectories, wildlife surveys). ducts are reviewed for accuracy and quality assurance. tion presentations / packages and provide to STL / DOCL mentation (e.g. sumpling / monitoring locations and wery data, overflight maps, chemistry data, trajectories). dations for the Operations Section chief based on agency mplates to work from or existing general BMPs for initial e. / Air Operations Branch to recommend establishment of we wildlife and sensitive areas. that will minimize potential environmental impacts: develop shoreline assessment and cleanup plans, including soma and procedures. exiton Chief to causer they clearly understand the tions. Beg in the EU for complex shoreline treatment conditions. tablished under the Operation Section to provide input on d strategies.</td>	Leader (E sues, etc. of the response; a. to the tation. to compile and wironmental, for briefings or and effect. the incident. ation and/or rustese; etc.	VVL) Quick Reference Gui     Data Analysis / Quality Control     Jupport the situation Unit in establishme     Operating Pitter (CO?): support develog     discharge / release, Ihoreline impact, tr.     ensure that all data and information proc     Prepare environmental data and information     to support di Response Operations     Oevelop indient-specific BMF recomment     implementation during the initial respons     Coordinate with Operations Section Chief     flight test/Ction, sa necessary, for samstin     endopint restinging areas and access poi     onder the SCAT Program (if established).     Recommend final impaction and signoff     for commend Operations Section Chief     flight test/Ctiona, sa necessary, for samstin     ondopint restinging areas and access poi     ondopint restiment recommendia     > Recommend final impaction and signoff        Becommend final impaction section Chief     flight restrictiona, sa necessary, for samstin     shoreline treatment recommend     > Recommend final impaction and signoff        Condinate with the Wildlife Branch (if est        Commend Operations Section or the same section chief     flight restriction, sa necessary, for samstin	ide (QRG)* int of a GiS-based data management team and a Common ment of environmental maps / charts (e.g. extent of ajectories, wildlife surveys). ducts are reviewed for accuracy and quality assurance. tion presentations / packages and provide to STL / DOCL mentation (e.g. sumpling / monitoring locations and wery data, overflight maps, chemistry data, trajectories). dations for the Operations Section chief based on agency mplates to work from or existing general BMPs for initial e. / Air Operations Branch to recommend establishment of we wildlife and sensitive areas. that will minimize potential environmental impacts: develop shoreline assessment and cleanup plans, including soma and procedures. exiton Chief to causer they clearly understand the tions. Beg in the EU for complex shoreline treatment conditions. tablished under the Operation Section to provide input on d strategies.	
RRT3 Environmental Unit I           General Tasking         Acted and participate in meetings, briefings, and debriefings, as requested to provide environmental input during briefings and clarifying any environmental aspects.           Support the development of the incident Action Pian (LAP).         Maintain and submit Environmental tasks, set priorities, assess personnel needs, identify is conduct EU traffing / space requirements including use of THSP over the duration on THSP needs and staffing should also be condinated with Operations Section and Sorf P and Parents in Education (LAP).           Submit resource request from (ICS 213R8) for personnel and/or equipment required Planning Section Chief for approval; continuously assess resources ready for demobility coordinate with the Laison Office (LOPR), Public Information Officer (Plo), and SOR assess environmental data to address stakeholder perceptions and concerns about en safety, health risks, and hazarding, may include development of persention materiality providing THSP regarding the summary and evaluation of environmental data.           Coordinate with the SSC on special scientific topics, as necessary.           Trajectories, Fate, Behavior, and Forecasts           Completion information on the splited product characteristics (chemistry, behavior), fate for expression of non-science coordinates with the splited product characteristics (chemistry, Behavior), and request initial split modeling and trajectories and identify any existing data gaps. Con air, and tranagent modeling, coordinates with Advendeling and traiectories individees and train overlished to coordinate with Advendeling and train of the concess.	Leader (E sues, etc. if the response; 8. to to the exation. to compile and wironmental, for briefings or 2, and effect. tation and/or rustees, etc.	VVL) Quick Reference Gui     Data Analysis / Quality Control     Support the Situation Unit in establishme     Operating Pittore (COP): puoport develog     discharge / release, shoreline impacts, tr         enure that all data and information proc     repare environmental data environmental data     results, SCAT data, wildlife recurve have     support of Response Operations     coordinate with Operations Section Chief     flight restrictions, as necessary, for sensit     recommend taging areas and access point     recommend taging areas and access point     recommend final inspection and eignoff     recommend final inspection and eignoff     scordinate with the Operations Section S     shoreline treatment recommend     secondinate with the Operations Section f     coordinate with the Operations Section f     shoreline treatment recommend     shoreline treatment recommend     secontinet with the Operations Section f     coordinate with the Operations Section f     shoreline treatment recommend the section of processes     shoreline treatment recommend the section of recommend the section of recommend final inspection are detected on the section of recommend the section of recommend final the section of recommend the section of recommend the section of the section of recommend final the section of	ide (QRG)* int of a GiS-based data management team and a Common ment of environmental maps / charts (e.g., extent of ajectories, wildlife surveys). Ducts are reviewed for accuracy and quality assurance. tion presentations / packages and provide to Sirt. / DOCL mentation (e.g., sampling / monitoring locations and erry data, overflight maps, chemistry data, trajectories). dations for the Operations Section Chief based on agency mplates to work from or existing general BMPs for initial e. / Air Operations Branch to recommend establishment of we wildlife and sensitive areas. Its that will minimize potential environmental impacts. to that will minimize potential environmental impacts. to chief to ensure they clearly understand the trions. Tap in the EU for complex shoreline treatment conditions. tablished junder the Operation Section to provide input on d atrategies. astoring plans. Basures, evaluate the opportunity to use other response mal/or have less impact.	
RRT3 Environmental Unit I           General Tasking         Attend and participate in meetings, briefings, and debriefings, as requested to provide environmental input during briefings and clarifying any environmental aspects.           Support the development of the incident Action Plan (LAP).         Maintain and submit Environmental Unit Log (CS 214).           Maintain and submit Environmental Unit Log (CS 214).         Maintain and submit Environmental Unit Log (CS 214).           Onduct EU meetings to assign tasks, set priorities, assess personnel needs, identify is a Unit Start Start (CS 2138). For personnel and/or equipment required Planning Section Chief for approval; continuously assess resources ready for demobility or continues with the Laison Offer (UPS). Public Information Offer (Plo), and SOFF assess environmental data to address stakeholder perceptions and concerns about en safety, health risk; and hazarding, may include development of prevention market and tasks.           Coordinate with the USISO Offer (UPS), Public Information Offer (Plo), and SOFF assess environmental data.         Coordinate with the SSC on special scientific topics, as necessary.           Trajetories, Fate, Behavior, and Forecasts         Compile information on the spilled product characteristics (chemistry, behavior), fate (Presention gaulty assurance, sampling, and analysis plans for use across Plans may include arranging for collection of source and field samples for characteristic fingerprinting analysis, include arranging and trajectories and identify any existing data apps. Con air, and transport modeling. Coordinate with NAA, Interagency Modeling and Attom Assessment Center (IMAACC), or others to update STL / Operations. <td>Leader (E sus, etc. of the response; n. to the ration. to compile and wironmental, for briefings or to compile and wironmental, for briefings or to compile and wironmental, to compile and wironmenta</td> <td>A sapporte array de la commendation de la commendación de la commenda</td> <td>ide (QRG)* int of a GiS-based data management team and a Common oment of environmental maps / charts (e.g., extent of ajectories, wildlife surveys). data serverleved for accuracy and quality assurance. tion presentations ( packages and provide to STL / DOLL mentation (e.g., suppling / monitoring locations and very data, overflight maps, chemistry data, trajectories). dataions for the Operations Section chief based on agency mplates to work from or existing general BMPs for initial e. / Air operations Branch to recommend establishment of we wildlife and sensitive areas. Int that will minitume potential environmental impacts. develop buterline assessment and clearup plans, including workline transmiss potential environmental impacts. develop buterline assessment and clearup plans, including workline transmiss potential environmental impacts. Sap in the EU for complex shoreline treatment conditions. tablished under the operation section to provide input on d strategies. sauras; valuate the opportunity to use other response and/or have less impact. a on failen y cloarures, state has the lead for fishery closures</td>	Leader (E sus, etc. of the response; n. to the ration. to compile and wironmental, for briefings or to compile and wironmental, for briefings or to compile and wironmental, to compile and wironmenta	A sapporte array de la commendation de la commendación de la commenda	ide (QRG)* int of a GiS-based data management team and a Common oment of environmental maps / charts (e.g., extent of ajectories, wildlife surveys). data serverleved for accuracy and quality assurance. tion presentations ( packages and provide to STL / DOLL mentation (e.g., suppling / monitoring locations and very data, overflight maps, chemistry data, trajectories). dataions for the Operations Section chief based on agency mplates to work from or existing general BMPs for initial e. / Air operations Branch to recommend establishment of we wildlife and sensitive areas. Int that will minitume potential environmental impacts. develop buterline assessment and clearup plans, including workline transmiss potential environmental impacts. develop buterline assessment and clearup plans, including workline transmiss potential environmental impacts. Sap in the EU for complex shoreline treatment conditions. tablished under the operation section to provide input on d strategies. sauras; valuate the opportunity to use other response and/or have less impact. a on failen y cloarures, state has the lead for fishery closures	
RRT3 Environmental Unit I           General Tasking         Intend and participate in meetings, briefings, and debriefings, as requested to provide environmental input during briefings and clarifying any environmental appects.           Support the development of the incident Action Plan (IAP).         Maintain and submit Environmental Unit Log (ICS 214).           Maintain and submit Environmental Unit Log (ICS 214).         Maintain and submit Environmental Unit Log (ICS 214).           Onduct EU utarfing / space requirements including use of THSP over the duration on THSP needs and staffing should also be coordinated with Operations Section and Sorff           Submit resource request forms (ICS 21368) for parsonnel and/or equipment required Planning section Chief for approval; continuously assess resources ready for demobility coordinate with the Laison Offer (LOPR), Public Information Officer (Plo), and SORf           Coordinate with the Laison Offer (LOPR), Public Information Officer (Plo), and SORf         Source exploremention materiality is provide the staffing the summary and evaluation of environmental data.           Coordinate with the SSC on special scientific topics, as necessary.         Trajectories, Fate, Behavior, and Forecasts           Completionsmation on the special goals and analysis plans for use across fales may include development of preventions, Ref Pars, Plansport modeling, and trajectories and identify any existing data pape. Con air, and traje appert modeling of Attome of no-careen coordinates with Adveling and trainders and rain and trajectories, and identify any existing data pape. Con air, and transport modeling coordinate with Adveling and trainders and ident identify any existing data pape. Con air, and tr	Leader (E sus, etc. of the response; a. to the ration. to compile and wironmental, for briefings or and effect. the incident. ation and/or ruttese, etc. uduct flow, fate, spheric and determine	VVL) Quick Reference Gui     Data Analysis / Quality Control     Support the Situation Unit in establishme     Operating Pittore (COP): pupport develog     discharge / release, shoreline impacts, tri     ensure that all data and information proc     repare environmental data and information proc     repare environmental data and information proc     results, SCAT data, wildlife rescue / recor     support of Response Operations     evelop incident-specific BMP recommen     input; Note that there may be existing ter     implementation during the initial respons     coordinate with Operations Section Chlef     flight restrictions, as necessary, for sensit     endpoint recommendations by habitat, 5'     coordinate with the Operations Section Chlef     isonine restment react in tercommend alignoff f         > Coordinate with the Operations Section Chlef         oding the SCAT Program (feastrach, iff est         scoreline trave that be may be access point         > Recommend Operations Section Chlef         oding the SCAT Program (feastrach, iff est         scorelinate with the Wildlife strach, iff est         wildlife protection / recovery priorities an         levelop waster / disposal and decontamin         / Anoing the feativeness of the Score response me         technologies that may be more effective         As appropriate, provide recommendation         / opening in State waters and NOAA has	ide (QRG)* int of a Gi5-based data management team and a Common ment of environmental maps / charts (e.g., extent of ajectories, wildlife surveys). dust are reviewed for accuracy and quality assurance. to hor presentations / packages and provide to STL / DOLL mentation (e.g., sampling / monitoring locations and wery dats, overflight map, demixity data, trajectories). dustions for the Operations Section Chief based on agency mplates to work from or existing general BMPs for initial e. / Air Operations Branch to recommend stabilishment of we wildlife and sensitive areas. ths that will minimize potential environmental impacts. develop shoreline assessment and cleanup plans, including toreline Treatment Recommendations (STRs), and soms and procedures. atolished under the Operation Section to provide input on d strategies, ason failers, closures, State has the lead for fishary closures and/or have leas impact.	
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### RRT3 Environmental Unit Leader (ENVL) Quick Reference Guide (QRG) Introduction

The purpose of this Environmental Unit Leader (ENVL) Quick Reference Guide (QRG) is to provide end-users with a condensed set of essential instructions, responsibilities, tasks, and recommendations to be taken under consideration by Environmental Unit (EU) members. It is not a replacement for agency specific guidance or job aids but rather a quick start guide for key actions that fall under the role of the EU.

### Environmental Unit (EU)

The EU provides scientific and technical expertise to the Unified Command (UC), ensuring environmentally sound response strategies. Led by the ENVL, the EU develops and monitors plans for a comprehensive range of activities. These include assessing environmental impacts, conducting monitoring and surveillance, developing predictive models (e.g., trajectory, fate and transport), and recommending remediation strategies The EU also plays a key role to ensure response actions comply with applicable environmental laws and regulations. This often involves data analysis and interpretation sampling plan development, response technology evaluation, and providing technical support to the Operations Section Chief with early and consistent communications to assess response actions with the greatest net environmental benefit and monitoring environmental consequences. The EU should coordinate with the Safety Officer (SOFR) regarding potential environmental, safety, health risks, or hazards. The EU also prepares environmental data for the Situation Unit to inform overall situational awareness.

### Technical Specialists (THSP) Supporting ENVL

Evaluate and determine appropriate staffing needs to meet UC goals, including potential use of the below THSP to support the EU; not all incidents will require a robust EU.

Scientific Support Coordinator: Principal Scientific Advisor to the FOSC (not the ENVL).

Trajectory Forecasting Specialist: Providing projections on movement / behavior of spill to include trajectories, plume monitoring, and fates / effects of the released hazardous substance or discharge of oil.

Data Analyst: Collect and conduct environmental data guality control, interpretation, and development of environmental summaries and metrics for IMT Staff.

GIS Specialist: Incorporation of environmental data and information into display products.

- Weather Forecast Specialist: Develop real-time and incident-specific weather forecasts.
- Sampling Specialist: Sampling plan development and monitor / evaluate implementation.

Response Technology Specialist: Providing mechanical containment and recovery, dispersant application, in-situ-burning, and bioremediation expertise.

Resources at Risk Specialist: Identify resources at risk from exposure to spilled product and response activities. Recommend priorities for protection based on importance / risks.

Historic/Cultural Resources Specialist: Identify historical / cultural sites and develop strategies for protection / cleanup of sites to minimize damage from response activities.

Wildlife Specialist: Develop Wildlife Management Plan and provide wildlife expertise.

Disposal/Waste Management Specialist: Develop Disposal Plan and validate disposal data.

Shoreline Cleanup Assessment Technique (SCAT) Coordinator: Shoreline assessments. recommendations for shoreline treatment methods/endpoints, shoreline inspection against cleanup endpoints, and recommendations for signoff of treated shorelines.

### ENVL Forms / Plans

Coordinate with resource trustees to develop the Resources at Risk Summary (ICS 232), as appropriate, to identify and document sensitive areas due to environmental, archaeo-cultural, or socio-economic resources at risk, and identify incident specific priorities and issues. Maintain a daily Unit Log (ICS 214) to capture EU members and activities.

Work with technical specialists (THSP), state and local authorities (e.g., health, environmental, natural resources), nongovernmental agencies (NGOs) and/or the Operations Section in the development of supplemental plans (e.g., Disposal / Waste Management Plan, Decontamination Plan, Air Monitoring Plan, Wildlife Management Plan).

Coordinate with Liaison Officer (LOFR) as needed to coordinate with other cooperating agencies or stakeholders not already present in the EU and to assist with coordination of issues identified as being of interest to stakeholders.

The Shoreline Cleanup Assessment Technique (SCAT) Program may fall under the EU or Operations Section. The SCAT Coordinator develops a Shoreline Cleanup and Assessment Plan that includes: 1) Organization of field surveys to document shoreline oiling conditions; 2) Habitat-specific shoreline treatment methods / endpoints; 3) Development of Shoreline Treatment Recommendations (STRs); and 4) Shoreline Inspection Reports (SIRs) to support sign-off of shoreline treatment. The EU / Operations provides input for the Assignment List (ICS 204) for SCAT, depending on the ICS structure.

### Specific Agency / Organizations Supporting the ENVL

Provided below are some of the key federal, state, and NGOs that may provide support to the EU; it is not all inclusive.

Responsible Party (RP) / Potential Responsible Party (PRP)

- RP/PRP Representative (e.g., Qualified Individual, Incident Commander, contractors, OSROs)
- Subject Matter Experts (SMEs) can be assigned to the roles listed above as appropriate

### U.S. Coast Guard (USCG)

- District Response Advisory Team (DRAT), Sector personnel, National Strike Force (NSF)
- U.S. Environmental Protection Agency (EPA)
- Environmental Response Team (ERT)
- Radiological Emergency Response Team (RERT)
- Consequence Management Advisory Team (CMAT) EPA Contractors: Provide air monitoring and water/soil sampling, particularly regarding public health.

### Department of the Interior (DOI)

- DOI Regional Environmental Officer (REO)
- U.S. Fish & Wildlife Service (USFWS) Refuge Managers. Law Enforcement, Field Spill Response Coordinator
- USFWS Survey123 Spill Response Wildlife Survey, dashboard, and data manager
- USFWS Biologists: Resources at Risk, Endangered Species Act species and consultations
- USFWS NRDA Liaison: Coordination of NRDA activities and response operations.
- National Park Service (NPS) Managers, Law Enforcement, > National Aquarium and SMEs
- Tribal Representatives (if applicable)
- Tribal Liaison / Tribal Historic Preservation Officer (THPO)
- Tribal Monitor

### National Oceanic and Atmospheric Administration (NOAA)

- Scientific Support Coordinator (SSC): Principal Scientific Advisor to the FOSC
- SCAT Coordinator, Data Analyst, and Field Staff: Manage the SCAT Program
- Environmental Response Management Application (ERMA) Database Managers: Establish and maintain the Common Operational Picture (COP) for USCG
- National Marine Fisheries Service (NMFS): Resources at Risk, Endangered and Threatened Species, Endangered Species Act (ESA) Section 7 Consultations
- National Weather Service (NWS): Weather forecasts
- Natural Resource Damage Assessment (NRDA) Liaison: Coordination between NOAA NRDA activities and response operations

### State/Commonwealth Representatives

- State Historic Preservation Office (SHPO)
- Environmental/Natural Resource/State Park Agencies
- State Health Department and/or Seafood Safety (public) health, water, air, sediment, shellfish safety)
- State NRDA Liaison: Coordination of NRDA activities and response operations

### Non-Governmental Organizations (NGOs)

- Tri-State Bird Rescue & Research: Oiled Wildlife Responders & SMEs
- Marine Education, Research & Rehabilitation (MERR) Institute
- Academic institutions
- Environmental stakeholder liaisons (e.g., riverkeepers)



### ENVL QRG (Side 1)

- Introduction
- **Environmental Unit**
- THSP Supporting ENVL
- **ENVL Forms / Plans**
- Agency / Organizations Supporting ENVL

### ENVL QRC

AST Response WS 2025

## Specific Agencies / Organizations Supporting ENVL

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- National Park Service (NPS) Managers, Law Enforcement, and SMEs

### Tribal Representatives (if applicable)

Tribal Liaison / Tribal Historic Preservation Officer (THPO), Tribal Monitor Environmental Planning Trustee Consultations, May 2025

### National Oceanic and Atmospheric Administration (NOAA)

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- > Academic institutions
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### RRT3 Environmental Unit Leader (ENVL) Quick Reference Guide (QRG)\*

#### **General Tasking**

- Attend and participate in meetings, briefings, and debriefings, as requested to provide environmental input during briefings and clarifying any environmental aspects.
- □ Support the development of the Incident Action Plan (IAP).
- Maintain and submit Environmental Unit Log (ICS 214).
- □ Conduct EU meetings to assign tasks, set priorities, assess personnel needs, identify issues, etc.
- Determine EU staffing / space requirements including use of THSP over the duration of the response; THSP needs and staffing should also be coordinated with Operations Section and SOFR.
- □ Submit resource request forms (ICS 213RR) for personnel and/or equipment required to the Planning Section Chief for approval; continuously assess resources ready for demobilization.
- Coordinate with the Liaison Officer (LOFR), Public Information Officer (PIO), and SOFR to compile and assess environmental data to address stakeholder perceptions and concerns about environmental, safety, health risks, and hazards; may include development of presentation materials for briefings or providing THSP regarding the summary and evaluation of environmental data.
- $\hfill\square$  Coordinate with the SSC on special scientific topics, as necessary.

#### Trajectories, Fate, Behavior, and Forecasts

- Compile information on the spilled product characteristics (chemistry, behavior), fate, and effect.
- Create comprehensive quality assurance, sampling, and analysis plans for use across the incident. Plans may include arranging for collection of source and field samples for characterization and/or fingerprinting analysis, including split samples for On-scene Coordinators, RP / PRP, Trustees, etc.
- Request initial spill modeling and trajectories and identify any existing data gaps. Conduct flow, fate, air, and transport modeling. Coordinate with NOAA, Interagency Modeling and Atmospheric Assessment Center (IMACC), or others to update SITL / Operations.
- Request aerial overflights to ground truth trajectories, identify impacted resources, and determine extent/degree of shoreline impact for potential treatment.
- NWS (if in EU), provides spill-specific weather forecasts and analysis to support SITL / Operations.

#### Resources at Risk / Ecological Assessment and Protection

- Identify resources at risk and priority protection areas using ICS 232 (as appropriate). Initial resources include:
  - USFWS Information for Planning and Consultation (iPaC)
  - NOAA Environmental Sensitivity Index (ESI) atlases
  - State and local agencies
- Identify the need for and obtain permits, consultations (e.g., ESA / EFH, NHPA, SHPO, Tribal Liaison, THPO) and other authorizations, including governmental / agency provisions.
- Consult with Natural Resource Trustees to address the protection of environmental sensitive wildlife and other resources to include recommended Best Management Practices (BMPs).
- Identify sensitive areas and recommend response priorities; review existing geographic response strategies for accuracy and provide input on implementation of strategies.
- $\square$  Coordinate with the Wildlife Branch (if established) to develop a Wildlife Management Plan.

### Data Analysis / Quality Control

- Support the Situation Unit in establishment of a GIS-based data management team and a Common Operating Picture (COP); support development of environmental maps / charts (e.g., extent of discharge / release, shoreline impacts, trajectories, wildlife surveys).
- Ensure that all data and information products are reviewed for accuracy and quality assurance. Prepare environmental data and information presentations / packages and provide to SITL / DOCL to support situation awareness and documentation (e.g., sampling / monitoring locations and results, SCAT data, wildlife rescue / recovery data, overflight maps, chemistry data, trajectories).

#### Support of Response Operations

- Develop incident-specific BMP recommendations for the Operations Section Chief based on agency input; Note that there may be existing templates to work from or existing general BMPs for initial implementation during the initial response.
- Coordinate with Operations Section Chief / Air Operations Branch to recommend establishment of flight restrictions, as necessary, for sensitive wildlife and sensitive areas.

Recommend staging areas and access points that will minimize potential environmental impacts.

- Under the SCAT Program (if established), develop shoreline assessment and cleanup plans, including endpoint recommendations by habitat, Shoreline Treatment Recommendations (STRs), and recommend final inspection and signoff forms and procedures.
  - Coordinate with the Operations Section Chief to ensure they clearly understand the shoreline treatment recommendations.
  - > Recommend Operations Section Rep in the EU for complex shoreline treatment conditions.
- Coordinate with the Wildlife Branch (if established) under the Operation Section to provide input on wildlife protection / recovery priorities and strategies.
- $\hfill\square$  Develop waste / disposal and decontamination plans.
- Monitor the effectiveness of response measures; evaluate the opportunity to use other response technologies that may be more effective and/or have less impact.
- As appropriate, provide recommendations on fishery closures; State has the lead for fishery closures / openings in State waters and NOAA has the lead for fishery closures / openings in Federal waters.
- Be aware of navigational closures, as they might affect operational activities, transportation for responders, wildlife recovery, etc.
- Assist with the decision on closures by land managers, such as National Park Service, U.S. Forest Service, USFWS, State Park managers, etc.
- Assess and work with the Safety Officer and Liaison Officers to address stakeholder concerns about environmental, safety, health risks and hazards, and closures and advisories.
- Coordinate with NRDA Trustees.

\* <u>Note</u>: In accordance with the National Incident Management System (NIMS) Incident Command System (ICS), additional Environmental Unit Leader tasks and guidance may be found in Agency specific Incident Management Handbooks, Environmental Unit Job Aids, and/or Guides. Many of the Environmental Unit tasks involve close coordination and/or potential overlap with the Operations Section, Logistics Section, Liaison Officer, and Public Information Officer to ensure environmental related issues and concerns are appropriately addressed by the Incident Management Team. It is important to remember that the EU is not a decision maker in the UC but rather their role is to provide sound recommendations based on available scientific data and subject matter expertise.



### <u>ENVL QRG (Side 2)</u>

- General Tasking
- Trajectories, Fate, Behavior, and Forecasts
- Resources at Risk / Ecological Assessment and Protection
- Data Analysis / Quality Control
- Support of Response Operations

Note: Additional tasks and guidance may be found in Agency Specific handbooks, job aids, and/or guides.

Coastal ACP Review Cycle 2024

# Thank you

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Environmental Planning Trustee Consultations, May 2025