



# SAN DIEGO HAZARDOUS INCIDENT RESPONSE TEAM



## STANDARD OPERATING GUIDELINES

**INCIDENT TYPE:** Naval Nuclear Propulsion Program (NNPP) Response

	ITEM	DESCRIPTION
<input type="checkbox"/>	<b>BACKGROUND INFORMATION</b>	<p><b>Purpose:</b> The purpose of this Standard Operating Guideline (SOG) is to describe the procedure for conducting gamma area and surface radiological scanning surveys if there is a radiological release involving a Naval Nuclear vessel.</p> <p><b>Concept of Operations:</b> Upon Notification HIRT and SDFD HIRT will deploy multiple survey field teams to meet with Navy survey teams to survey areas of potential contamination. HIRT teams should stop periodically in route to the first meeting location to determine if the route of ingress shows contamination. At the initial rally point both the Navy and HIRT survey teams will be paired up and will proceed by vehicle along a route bisecting the potential zone of contamination. Each team will document and report in their readings using Rad Responder. In addition, the DEH Senior Health Physicist will respond to the Navy ECC for coordination and analysis collected data. The Navy is the lead agency for data collection, plotting, and will use reach back capability plume plot prediction.</p>
<input type="checkbox"/>		
<input type="checkbox"/>	<b>ACTIVATION/INITIAL SIZE UP</b>	<p>The Navy Emergency Communications Center (ECC) will notify DEH HIRT of an incident to request response support. DEH HIRT staff will collect size up information; location of incident, primary plume plot, number of Navy teams being deployed, locations the teams will meet/rally point, and contacts for each Navy team</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Any Exposures / Injuries any Medical Transport</li> <li><input type="checkbox"/> Ongoing release- Fire Still Active? Start time? end time?</li> <li><input type="checkbox"/> Has Fed Fire been dispatched to mitigate smoke plume?</li> <li><input type="checkbox"/> Request an Initial Plum Plot of Impacted population / Environment- is sent to DEHQ HIRT</li> <li><input type="checkbox"/></li> <li><input type="checkbox"/></li> </ul>
<input type="checkbox"/>	<b>NOTIFICATIONS</b>	<ul style="list-style-type: none"> <li><input type="checkbox"/> DEHQ: HMD HIRT Supervisor, HMD Chief and DEH Management,</li> <li><input type="checkbox"/> DEH Senior Health Physicist, Request Rad Health staff initiate a Rad Responder Event and act as Incident administrator.</li> <li><input type="checkbox"/> Initiate a Callback of all DEH HIRT Responders.</li> <li><input type="checkbox"/> SDFD HIRT, B4, B7-relay Radio Frequencies and identify staging area.</li> <li><input type="checkbox"/> Instruct HIRT EHT to gather &amp; ready radiation detection setup: Rad Watches to be issued to responders, Ludlum 2241 w pancake probe. Sam 950 or Victorine, Backpack</li> <li><input type="checkbox"/> County: LUEG Management, OES, EMS, PHO</li> <li><input type="checkbox"/> Contact Sheriff Communications dispatch supervisor 858-565-5030 and request an 800MHz Radio patch be established with the Navy ECC. It is likely the Navy will be doing the same from their end. In the past the ICS frequencies have been assigned</li> </ul>

		<p>for the patch.</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Contact Coronado FD, advise of planned Rad Mon Team deployment.</li> <li><input type="checkbox"/> Contact Harbor Police, advise on planned Rad Mon Team,</li> <li><input type="checkbox"/> Contact Fed Fire NSSD, verify dispatch to knock down smoke plume.</li> <li><input type="checkbox"/> Contact Oceanside Fire Dept, and Camp Pendleton Hazmat request their Rad Mon Teams be placed on standby.</li> <li><input type="checkbox"/> Contact USEPA, request an OSC be assigned to monitor the response, and provide technological and operational support.</li> <li><input type="checkbox"/> Contact 9<sup>th</sup> CST advise to respond or Stand By</li> </ul>
<input type="checkbox"/>	<b>INCIDENT ACTION PLAN</b>	<ul style="list-style-type: none"> <li>• Develop Incident Action Plan <ul style="list-style-type: none"> <li>○ Plan route of ingress using the location of the incident and the current weather conditions.</li> <li>○ Develop Site Safety Plan</li> </ul> </li> <li>• Activate the DEH DOC to support response activities: <ul style="list-style-type: none"> <li>○ Collect data reported by the DEH Teams.</li> <li>○ Recall all staff that may be working on the potentially impacted areas.</li> <li>○ Monitor Navy/Civilian Bridge Line</li> <li>○ Monitor Realtime Weather</li> <li>○ Web EOC Monitor and Update</li> </ul> </li> </ul>
<input type="checkbox"/>	<b>RAD RESPONDER</b>	
<input type="checkbox"/>	<b>TACTICAL ACTIONS</b>	<ul style="list-style-type: none"> <li>▪ Site Safety / Incident Action Plan</li> <li>▪ Consult with first in FRO for rescue</li> <li>▪ Remove all ignition sources</li> <li>▪ Stage uphill/upwind</li> <li>▪ Evacuate 150'</li> <li>▪ Determine the chemical involved</li> <li>▪ Call for adequate damming material/cover storm drains</li> <li>▪ Shut off flow of liquid if safe to do so in FFO</li> <li>▪ Monitor area with CGI</li> <li>▪ Apply correct foam or barrier to control vapor</li> <li>▪ Transferring, or off-loading of product, ensure proper bonding and grounding. See incident specific for tanker roll over*Use full protective clothing and SCBAs</li> <li>▪ If product is on fire and flow cannot be stopped, consider letting it burn</li> </ul>
<input type="checkbox"/>	<b>MITIGATION AND CONTAINMENT</b>	<ul style="list-style-type: none"> <li>▪ Absorbents / absorbent pads</li> <li>▪ Plug and patch</li> <li>▪ Fog stream</li> </ul>
<input type="checkbox"/>	<b>TECHNICAL REFERENCES</b>	<ul style="list-style-type: none"> <li>▪ ERG</li> <li>▪ NIOSH</li> <li>▪ WISER</li> <li>▪ Chemical Protective Clothing Guide</li> </ul>
<input type="checkbox"/>	<b>ADDITIONAL RESOURCES</b>	<ul style="list-style-type: none"> <li>▪ Fire</li> <li>▪ Law</li> <li>▪ EMS</li> <li>▪ Bomb Squad</li> <li>▪ HHSA</li> <li>▪ Military</li> <li>▪ DPW</li> <li>▪ Code Enforcement</li> <li>▪ Poison Control</li> </ul>

<input type="checkbox"/>	<b>USEFUL CONTACTS</b>	<p>Cal Fish and Wildlife (Daytime- Non Emergency) (858) 467-4201  Cal Fish and Wildlife (24hr dispatch) (951) 443-2969  (CalTip) (888) 334-2258  Cal Fish and Wildlife OSPR (Spill Response) Daytime Only -(916) 445-9338 Emergency State Parks Dispatch (916) 358-1312  Regional Water Quality Control Board (858) 467-2952  US Coast Guard (619) 278-7033  DEH-HIRT (daytime) (858) 505-6673  DEH-HIRT (after-hours: answering service) (858) 565-5255</p> <ul style="list-style-type: none"> <li>Always contact manufacturer and owner of tanker, rail car or pipeline.</li> </ul>
<input type="checkbox"/>	<b>PERSONAL PROTECTIVE EQUIPMENT</b>	<p>When working in areas with a possibility of contamination from radioactive materials, use Personal Protective Equipment (PPE). Unless conditions are known to include radiological contamination, PPE to upon first surveying shall be; Safety glasses, nitrile gloves, N95.</p>
<input type="checkbox"/>	<b>MONITORING &amp; DETECTION</b>	<ul style="list-style-type: none"> <li>CGI – Use correction factor if know</li> <li>PID – Check IP of fuel</li> <li>Multi Rae Pro</li> <li>IR: Raman / FTIR - Most substance will be detected with IR</li> <li>pH paper will normally be neutral unless has another hazard associated with it</li> <li>Fluoride paper – Normally negative</li> <li>TIC – Good for fluid level detection</li> <li>MX908 -</li> <li>Safe Sites – large point sources</li> <li>Rad: Identifinder, Ludlum, Vortec, Pager - na</li> <li>BIO: Raid 8, Alexeter, BT 650 - na</li> </ul>
<input type="checkbox"/>	<b>DECONTAMINATION</b>	<ul style="list-style-type: none"> <li>Water for polar solents</li> <li>Water and detergent for non-polar solvents</li> </ul>
<input type="checkbox"/>	<b>CLEAN UP &amp; DISPOSAL</b>	<ul style="list-style-type: none"> <li>Responsible Party</li> <li>Licensed clean up contractor</li> <li>Waste manifests</li> <li>Photographs / sampling</li> <li>Monitoring</li> </ul>
<input type="checkbox"/>	<b>INCIDENT TERMINATION</b>	<ul style="list-style-type: none"> <li>Safe to reoccupy</li> <li>Enforcement</li> <li>ICS forms</li> <li>Inspection forms</li> </ul>
<input type="checkbox"/>		<ul style="list-style-type: none"> <li></li> </ul>