

As per TSL and contract document(s) and environmental Emergency Response Plan (eERP), a licensee / contractor must conduct tests and periodic drills for emergency preparedness, including documenting the results, action taken and follow-up of such tests or drills.

Note: Tests are to be documented on the BCTS “Environmental Emergency Response Test/Drill Report Form CHK-010”, records maintained on site and copies of results forwarded to a BCTS representative. Results of drills may be documented on the CHK-010 and maintained on site.

Ensure a copy of the eERP is on hand and reviewed for effectiveness during tests or drill exercises.

**Test** – a comprehensive testing of the environmental emergency response procedures to ensure that they are adequate to address emergency events. This includes full, hands on scenario testing of equipment, communications, and procedures as outlined in the eERP.

**Drill** – a due diligence exercise to ensure that onsite personal have adequate levels of comprehension and awareness of environmental emergency preparedness and response procedures. This involves a demonstration of workers level of knowledge and training, this may include:

- Review of eERP procedures,
- Employee interview,
- Equipment testing,
- Review of onsite ER equipment.

### Spill Emergency Response Test Example

#### Record Steps and Sequence on CHK-010

*Example Scenario: For Diesel, Hydraulic Material*

**Scenario:** a piece of heavy equipment parked on the side of the road has leaked oil into a nearby ditch. Arriving on the scene, workers see the oil heading toward a nearby stream.

**How to set up for a test:** explain the scene to the participants and let them give feedback on what response steps should be taken to avoid further contamination. Use a pail of water and popcorn - create the spill and let the workers respond accordingly.

#### Suggested steps & sequence

1	<b>Recognize the problem, &amp; evaluate hazards</b>	<ul style="list-style-type: none"> <li>• Identify type of material spilled &amp; volume</li> <li>• Identify &amp; Evaluate potential problems that may be encountered in control, containment &amp; cleanup</li> <li>• Refer to the MSDS for the material spilled</li> <li>• Have fire extinguishers available if there is a risk of fire</li> </ul>
2	<b>Take Control</b>	<ul style="list-style-type: none"> <li>• Stop Operations &amp; shut off equipment</li> <li>• If safe, remove any sources of spark or flame</li> <li>• Ensure supervisor &amp; fellow workers are notified</li> <li>• Stop the source of the spill where possible</li> </ul>
3	<b>Contain the spill</b>	<ul style="list-style-type: none"> <li>▪ Blocking flow (use spill pads, buckets, booms, absorbents, snow, or soil to make a berm)</li> <li>▪ Use resources at hand to minimize spread and impact of the spill until additional resources &amp; expertise arrive</li> <li>• Use available equipment to create a barrier or berm</li> </ul>
4	<b>Commence recovery of the spilled material</b>	<ul style="list-style-type: none"> <li>• Soak up all free product with available materials</li> <li>• Mix stained soil with loose absorbents or commercial bioremediation agents</li> <li>• &lt; 25 liters – low risk: Mop up excess fluids with spill pads/ booms and place in container/plastic bag for disposal</li> <li>• &gt; 25 liters – high-risk: Do initial mop up with available materials. Contact Spill specialist for further instructions</li> </ul>
5	<b>Report the Spill to appropriate personnel</b>	<ul style="list-style-type: none"> <li>• Low risk spill (&lt; 25L &amp; not in water): report to your immediate supervisor</li> <li>• High risk spill (&gt; 25L or in water): report to supervisor, PEP, (only if greater than 100 liters), Spill Response Specialist, BCTS rep, Gov't agency or other</li> </ul>
6	<b>Complete an Incident Report</b>	<ul style="list-style-type: none"> <li>• For the purposes of the exercise review required incident reporting requirements only and copy to your files and BCTS rep.</li> </ul>

### Fire Emergency Response Test Example *Record Steps and Sequence on CHK-010*

#### Example Scenario

**Scenario:** a worker discovers a small fire (lightning strike) at the edge of cut block that has almost spread into the standing timber.

**How to set up for a test:** explain the scene to the participants and let them give feedback on what response steps should be taken to combat this fire. Mark the area that is on "fire" with highly visible flagging tape. Instruct the participants as to the nature of the fire and allow them to respond.

#### Suggested steps & sequence

1	<b>STOP operations</b>	<ul style="list-style-type: none"> <li>Notify supervisor &amp; all personnel in the immediate area</li> </ul>
2	<b>Report the fire</b> to appropriate authorities	<ul style="list-style-type: none"> <li>BC Wildfire Reporting 1-800-663-5555 as per ERP</li> <li>Immediate Supervisor</li> <li>BCTS Rep</li> </ul>
3	<b>Assess</b> the hazard and the safety risk,	<ul style="list-style-type: none"> <li>Consider; fire size, behavior, crew experience, training, available equipment, site and weather conditions</li> </ul>
4	<b>Develop a plan</b> for initial attack	<ul style="list-style-type: none"> <li>The supervisor should determine the method of initial response, equipment, and personnel required</li> </ul>
5	<b>Provide direction/instruction</b> to the fire fighting crew	<ul style="list-style-type: none"> <li>Dispatch personnel to mobilize the equipment</li> <li>Alert the crew to the potential hazards, and provide any immediate instruction necessary to ensure their safety</li> </ul>
6	<b>Commence initial response</b> on the fire	<ul style="list-style-type: none"> <li>Response level based on: fire size, behavior, crew experience, training and available equipment</li> <li>The supervisor holder will monitor the fire fighting efforts until relieved by a higher authority or another trained suppression worker</li> </ul>
7	<b>Complete mop up</b> with appropriate personnel	<ul style="list-style-type: none"> <li>Mop up will be performed under the direction of a qualified supervisor or fire official.</li> </ul>
8	<b>Complete an Incident Report</b>	<ul style="list-style-type: none"> <li>For the purposes of the exercise review required incident reporting requirements only and copy to your files and BCTS rep.</li> </ul>

### Landslide/Erosion Emergency Response Test Example *Record Steps and Sequence on CHK-010*

#### Example Scenario

**Scenario:** a landslide has closed the mainline leading to the worksite. It is late afternoon when the road closure is discovered and the crew is stranded.

**How to set up for a test:** explain the scene to the participants and let them give feedback on what response steps should be taken to evacuate the crew and ensure safety.

#### Suggested steps & sequence

1	<b>Assess</b> the hazard and the safety risk	<ul style="list-style-type: none"> <li>Evaluate the size and impact of the erosion event</li> <li>Warn others in the immediate area of any safety hazards and secure the zone from further entry if possible</li> </ul>
2	<b>Develop a plan</b> of evacuation	<ul style="list-style-type: none"> <li>If required the Supervisor will devise a plan to evacuate the crew in a safe manner</li> <li>If require; workers to be mustered into a safe zone while awaiting evacuation</li> </ul>
3	<b>Report the event</b> to appropriate authorities	<ul style="list-style-type: none"> <li>Notify your immediate supervisor</li> <li>Notify your BCTS representative for further instruction</li> </ul>
4	<b>Take remedial action</b>	<ul style="list-style-type: none"> <li>Take steps to control further environmental impacts</li> <li>Use heavy equipment to remove the slide or to make an emergency access</li> </ul>
5	<b>Complete an Incident Report</b>	<ul style="list-style-type: none"> <li>.For the purposes of the exercise review required incident reporting requirements only and copy to your files and BCTS rep.</li> </ul>