

CHEMICAL SPILL

Work description: Chemical Spill

Scope: Responding to the discovery of a chemical spill

References: HNL-09007 Emergency Management Plan
 HNL-09649 Hazardous Materials Management Plan

PPE and precautions	Competencies or qualifications	Licenses or permits required
As per SDS	Hazardous Materials	

Tools and equipment required

Risks Associated with hazardous materials include:

- human exposure through inhalation for gases, mists and vapors
- human exposure through contact or ingestion
- pollution (airborne, water course or ground)
- fire / explosion
- panic / confusion – passenger panic and stampede
- corrosion – substances may corrode equipment / infrastructure


The following controls are required for all hazardous substances used on HRH Controlled Infrastructure:

- all hazardous substances permitted on HRH Controlled Infrastructure shall have a Safety Data Sheet and be subject to risk assessment and procurement control
- storage locations for hazardous substances shall be marked as such, with details of the materials contained and equipped with appropriate ventilation and release control
- all work activities involving hazardous substances shall be subject to risk assessment, the work order shall be supported by the Safety Data Sheet which will form part of the pre-work briefing and be held by the person in charge


Warning

Only trained personnel shall clean chemical spills, using the proper protective equipment according to the nature of the chemicals.

Preparedness <i>All</i>	Review the SDS and become familiar with the hazard classification of the chemical(s) that are in your area and the ones you are working with. Learn the location of the Spill Control Station nearest your work area and become familiar with the materials provided to control small spills		
Immediate response to a Hazardous Substance Release			
First Member of Staff on Scene <i>FMSS</i>	<table border="1"> <tr> <td data-bbox="341 1422 564 1993"> <i>FMSS (usually the Person in Charge of Works)</i> </td><td data-bbox="564 1422 1471 1993"> When becoming aware of a hazardous substance release, you must: <ul style="list-style-type: none"> • secure the immediate location • evacuate the affected area of all passengers (if applicable) and non-essential staff • identify the hazardous material • apply appropriate PPE (as per Safety Data Sheet Requirements) • if safe to do so, you must: <ul style="list-style-type: none"> ○ isolate any feeder systems to prevent further release ○ eliminate ignition sources for flammable / explosive atmospheres ○ contain the spill/release use containment booms or rubber drain seal mats to prevent runoff to water drains • if there are any associated injuries: <ul style="list-style-type: none"> ○ apply First Aid in accordance with the information contained in the Safety Data Sheet • tell the OCC Supervisor and request additional support if required </td></tr> </table>	<i>FMSS (usually the Person in Charge of Works)</i>	When becoming aware of a hazardous substance release, you must: <ul style="list-style-type: none"> • secure the immediate location • evacuate the affected area of all passengers (if applicable) and non-essential staff • identify the hazardous material • apply appropriate PPE (as per Safety Data Sheet Requirements) • if safe to do so, you must: <ul style="list-style-type: none"> ○ isolate any feeder systems to prevent further release ○ eliminate ignition sources for flammable / explosive atmospheres ○ contain the spill/release use containment booms or rubber drain seal mats to prevent runoff to water drains • if there are any associated injuries: <ul style="list-style-type: none"> ○ apply First Aid in accordance with the information contained in the Safety Data Sheet • tell the OCC Supervisor and request additional support if required
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Approved By:	<input type="checkbox"/> Director, Operations and Maintenance	<input type="checkbox"/> Department Manager	<input type="checkbox"/> Manager, HSE (Operations and Maintenance)
Signature:			
Date:			

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Responding to a report of Hazardous Substance Release

OCC Actions <i>OCC</i>	<i>OCC Supervisor</i>	<p>When notified or becoming aware of a hazardous substance release, you must:</p> <ul style="list-style-type: none"> • tell all OCC Controllers, • coordinate their response, to cover: <ul style="list-style-type: none"> ○ dispatching Incident Officer (Trained Responder) ○ telling affected stations and staff ○ telling passengers ○ telling the HSE Department • determine the significance of the release and its effect on the operation of services • determine whether there are casualties and the type and number • request the attendance of emergency services (if required) • report the incident in accordance with HNL-09023 Accident and Incident Notification, Reporting and Investigation • respond to direction from Emergency Services Person in Charge (via Incident Officer (Trained Responder)) <p>When satisfied that the incident is being managed:</p> <ul style="list-style-type: none"> • determine and implement alternative services including: <ul style="list-style-type: none"> ○ alternative service plans ○ bus replacement services
Trained Responder Actions	<i>Incident Officer (Trained Responder)</i>	<p>If the spill is of a scale which can be controlled by you, you must:</p> <ul style="list-style-type: none"> • Confirm that: <ul style="list-style-type: none"> ○ feeder systems are isolated to prevent further release ○ ignition sources for flammable / explosive atmospheres are eliminated • apply appropriate PPE (as per Safety Data Sheet Requirements) • clean up using pads, pillows and other absorbed materials to soak up spill and then bag in labeled containers. • clean any residue or surfaces <p>If the spill is greater than that which can be controlled by you, you must:</p> <ul style="list-style-type: none"> • meet, brief and direct Emergency Services to the location of the incident by the agreed route • respond to directions of the Emergency Services • coordinate between on-site Emergency Services and OCC Supervisor

Restoring Normal Operations

OCC Actions <i>OCC</i>	<i>OCC Supervisor</i>	<p>When confirmed by the Incident Officer that:</p> <ul style="list-style-type: none"> • inspections are completed, and site is fit for service (including any restrictions) you must: • tell all OCC Controllers, instruct the restoration of service, coordinate their response • when the train service is recovered, stand down any third party bus replacement services
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