

Task Execution Hazard Level:	Low
Is this a PL4 or PL5 Task?	Yes

Description	Generic Spill Management	Task Duration	Various
Facility(s)	Refinery, BBM, Port		
Related Equipment	N/A		
Functional Location/s	All		

Task Prerequisites

Type	Details
Competency	Control, Containment & Clean Up of Oil Spills on Land and Coastal Waters (run by Perth Petroleum).
Related Information	<ul style="list-style-type: none"> Generic Fuel Oil Spill Clean Up SWI (00113189). Existing Fuel Oil Spill Clean Up SWI (00113191). Mercury Collection SWI (00105301). Response to Hazardous Materials Spillage SWI (00116072).
Special Considerations	<p>Ensure there is no immediate danger to yourself and others.</p> <p>A spill can be of any size and any material that has the potential to impact the environment (e.g. oil/fuels, process water, and process products). It is important to estimate the amount of product spilled (litres or m³) as it is required for the reporting process.</p> <p>MSDS information available on Chemalert.</p> <p>Specialist PPE may be required.</p> <p>All spill clean up kits and equipment can be obtained from the Warehouse.</p> <p>Training is available from external vendors such as “Perth Petroleum”.</p>

Pre-Start Hazard Review (JHA, Generic Hazards, including Environmental)

Type	Details	Controls	Residual Risk (L,M,H,E)
Environmental	<ul style="list-style-type: none"> Ground and/or water contamination from spillage. Incorrect disposal of contaminated material. Breach of Environmental license conditions. 	<ul style="list-style-type: none"> Prevent or minimise spillage. Ensure correct disposal of contaminants. Raise G360 to ensure correct reporting and prevent repetition. 	L
Communication	Requires clear and concise information.	<ul style="list-style-type: none"> Two-way radio, telephone. Check radio and batteries. 	L
Chemical Contact	Injury through contact with hazardous material.	PPE required as per MSDS.	L
Mobile Equipment	Injury or machine damage from incorrect machine operation.	<ul style="list-style-type: none"> Pre-start inspection carried out on machinery prior to operation. Qualified and competent operators on machinery. 	L
Unauthorised Persons in Area	Persons coming into contact with spillage.	Erect barricades to prevent unauthorised entry.	L

Task Details

Spill Management Steps

1.	If unsure of the spilt material, consult the MSDS information for a chemical to identify any specific considerations for responding for a spill or leak of that chemical. MSDSs are available from the ChemaAlert System.
2.	Assess if you can manage the size of the spill. The Emergency Service Officers will coordinate a response to a Major Spill only. For the purpose of spill response, a spill is defined as 'Major' if the individual(s) responsible for the spill don't feel that they are capable of handling the spill safely without the use of respiratory protection or the assistance of specially trained Emergency Services Personnel.
3.	Alert people in the immediate area of the spill.
4.	If it is safe to do so, the individual responsible must immediately attempt to prevent further loss of the spilt material by isolating the source. Immediate spill response minimises the potential impact of the spill on the environment.
5.	Protect drains or other means for environmental release by confining the spill to a small area with absorbent material. Methods may include: <ul style="list-style-type: none"> Constructing a temporary bund using soil or absorbent material to restrain further travel of the spilt material; and/or Applying absorbent material to the spilt liquid (e.g. absorbent sausages, vermiculite or loose soil). Earthmoving equipment may be required to construct a temporary bund.
6.	Remove the spilt material by using an appropriate spill kit or absorb with vermiculite, sand or other material. If the spill has occurred on unprotected soil, then the contaminated soil must be removed and replaced.
7.	Acids and hydrocarbons must never be disposed of via the stormwater drainage system.
8.	All contaminated hydrocarbons (and soil) must be disposed of at a licenced landfill site and not in general waste.
9.	Report all spills as an Environmental Incident in G360. Record the size of the spill (L or m ³) in the text.

Improvement Recommendations for this SWI

Job Step	Recommendation

Definitions, Terms and Abbreviations for this SWI

Term	Description	Term	Description
BBM	Boddington Bauxite Mine	PPE	Personal Protective Equipment
ChemaAlert	South32 register of approved substances	SWI	Standard Work Instruction

References

00113189	Generic Fuel Oil Spill Clean Up SWI
00113191	Existing Fuel Oil Spill Clean Up SWI
00105301	Mercury Collection SWI
00116072	Response to Hazardous Materials Spillage SWI

Document Control

Approver Circulation

Role	Name	Approved	Date
Environmental Specialist	[REDACTED]	✓	22/02/2022
Environmental Supervisor	[REDACTED]	✓	22/02/2022