

	INTEGRATED MANAGEMENT SYSTEM Procedure Developed in line with ISO Standard Requirements				
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Method Statement	
Job Description	Hydrocarbon Spill
PPE	• Hard Hat, • Googles, Overall, • Safety Shoes, • Dust Mask, • Orange Rotating Light, • Gloves • Ear Protection

Work to be conducted:

Prevention and management of hydrocarbon spills from vehicles, equipment or chemical storage or chemical use

Location of works to be conducted:

ARBOUR NATURE ESTATES, GEORGE

ENVIRONMENTAL STANDARDS (list the applicable Environmental Standards to be met):

National Environmental Management Act 107 of 1998 (NEMA)
 Waste Act 59 of 2008
 Air Quality Act 39 of 2004
 National Water Act 36 of 1998
 Road Traffic Act 29 of 1989
 Occupational Health and Safety Act 85 of 1993
 ISO 14001:2015
 Environmental Authorization (Doc. No. 14/12/16/3/3/1/1549/MP1) & (Doc. No. 14/12/16/3/3/1/1545/MP1)
 Environmental Management Programme (Doc. No. KAI663.47 – HV Works) & (EMPr Overhead Line)

DESCRIPTION OF HOW POTENTIAL ENVIRONMENTAL IMPACTS WILL BE PREVENTED OR MANAGED (provide as much detail as possible, including annotated sketches and plans where possible):

The following control measures will be implemented to reduce or prevent the risk of fires:

Prevention of contamination of water and soil:

- When hydrocarbons are transported on site, they shall be transported in a drip tray in an upright position and secured in such a manner to prevent them from falling over.
- Refer ***D-ENV-MST-013 Diesel tanks and refuelling procedure*** for additional preventive actions.
- Storage of all equipment (e.g., chainsaws, welders, small generators) that hold <10L of hydrocarbon or chemical will be out of line of fire and on drip trays.

- All leaks of hydrocarbons or chemicals will be attended and repaired as soon as possible.
- All reasonable steps will be taken to prevent spills or leaks. Good Housekeeping will be a common practice across the site hence all areas will be kept tidy and clean.
- All hydrocarbons shall be stored away from identified storm water run-off areas in order to prevent environmental impacts. In an instance of an incident whereby hydrocarbons have spilled this shall be controlled by using spill kits – refer **ENV WI 2 Using a spill kit**.
- No hydrocarbons will be discharged into the storm water system or onto ground.
- Empty drums, cans and bottles must be properly disposed, recycled or reused. Consider what the container was previously used for and if it is safe for reuse.
- Ensure that due consideration is given to the environmental concerns of hydrocarbons before they are brought to the project area, thus purchase products that are of the least potential harm to the environment.
- Safety Data Sheets (SDS) for all hydrocarbons, including paint, thinners, etc. used on site will be kept by the contractor Environmental Site Officer. The SDS's must be easily accessible and properly implemented.
- Regular inspections and audits will be conducted to ensure that the hydrocarbon management practices meet the required standards.
- Contaminated material (soil, oil rags, absorbent, oil filters etc.) must be disposed of at the Ruwaccon Plant & Equipment in Randstraat, George.

In the event of a spill to soil, Ruwaccon and its sub-contractors will implement:

- Immediate action to stop or reduce the spill and contain it.
- If any spills take place, the contaminant together with the soil will be removed and placed in acceptable container to be disposed at Uppington recyclers with a destruction certificate issued.
- Actions necessary to prevent the spill from contaminating ground water or off-site surface water refer - **Using a spill kit**.
- Disposal of contaminated material according to **D-ENV-MST-018 Hazardous Solid Waste Management**.

In the event of a spill to water, Ruwaccon and its sub-contractors will implement:

- Immediate action to stop or reduce the spill and contain it.
- Notify the appropriate on-site authorities.
- Actions necessary to prevent the spread of the contamination by deploying booms and/ or absorbent material – refer **Using a spill kit**.
- Disposal of spilled material will be done either as recyclable hydrocarbon through a certified waste hydrocarbon recycling agency or, if such is not available or amounts are less than 10 litres, in a drum marked “Liquid hazardous waste”.
- Ensure all accidents and incidents are reported and investigated in a timely manner.
- If there is any spillage greater than 200l “Spill Tech” will be contacted for assistance and cleaning up operations. As per NEMA Section 36 the Minister and MEC must be notified if and when there is significant contamination of land.