

Overland Engineering Emergency Response Plan

Waste Oil Spill/incident

Purpose and Scope

This response plan is in place for the loading, transportation and unloading of waste oil drums. The waste oil drums are to be collected from the Powerwater community powerstations in the Katherine Region and delivered for disposal at the Mataranka Lime Plant on the Roper Highway.

Overland Engineering will not be storing any listed waste in accordance with this proposed activity of transporting the waste oil for Powerwater.

This Procedure details the requirements for managing and cleaning up waste oil spills during transportation, loading and unloading.

The procedure is applicable to all activities conducted by Overland Engineering personnel that have the potential to spill or leak waste oil.

Potential Environmental Risks of Waste Oil Spills and Leaks

During transportation, loading and unloading of the waste oil drums there is a potential risk for spills and leaks of waste oil. If a spill or leak occurs it can impact:

- Potential contamination of soil, stormwater and groundwater systems
- Deterioration of natural habitat
- Disruption of public amenity
- Creating environmental nuisance
- Leaking waste oil onto public roads causing a slippery and dangerous surface

There is potential for these spills and leaks to occur if correct management is not followed, some key things to consider before loading waste oil drums are:

- Loading damaged drums will result in a leak, visually check drums over to ensure no damage (dents, deep scratches, rust) are evident. If the drums are damaged carefully pump waste oil using the Powerwater drum pumps provided at the Powerstations into a suitable 44 gallon steel drum with no damage for cartage.
- Check over seals and lids to make sure the o-ring is not torn and in one piece, make sure lids are able to be tightened all the way on the thread so the o-ring is sealing on the drum.

There are also risks of leaks and spills during loading and unloading, some key things to follow while doing this activity are:

- Only use the Overland Engineering drum lifting devices that are provided, seek training from Scott Roughley before using the lifting devices.
- Never rush and always check for correct grip of the drum lifting device before lifting drums, as incorrect grip may result in cracking the drums and the possibility for the drums to fall which may cause danger to the operator and a spill or leak to the environment.

- Go slow with the crane to prevent swinging of the drums during the lift, swinging of the drums will cause the drums to crash into each other with the possibility of moving the position of the grips on the drums lifter causing tearing and crushing of the drum.
- Load the truck 4 drums wide keeping the drums tightly together to avoid any movement during transport, again movement can cause damage to the drums resulting in leaks.
- Use truck gates at all times while waste oil drums are being transported to avoid the drums falling off the truck in the result of a strap braking.
- Use a belly strap around all the drums (not only straps over the top of the drums as they can move and become loose were the belly strap will not become loose).
- Drive to the conditions on the dirt, and go slow if the road is rough down to 20km per hour is typical on rough sections.
- Check the drums every hour on the dirt and hour and a half on the bitumen and adjust straps if need be
- Only load 6 ton of oil which equates to 27 (44 Gallon) steel drums for our Rigid Hino Truck as this is its capacity

In an incident were a spill or leak has occurred please follow the spill management procedure as bellow.

Spill Management

- Prior to any clean up of waste oil correct PPE should be worn that can be found in the spill kit
- Stop source of the leak
 - Tighten drum lid
 - Turn drum upside down with crane if bottom of drum has leak (ensuring the lid is tight)
 - Plug hole while doing this if possible with rags and pads out of spill kit
- Stop the spill from spreading by using
 - Absorbent materials out of the spill kit
 - Silt sausages out of spill kit
 - Any handy physical barrier

After the leak or spill has been stopped and contained follow the clean up procedure as bellow:

Spill Clean Up

- Utilize sausages, pillows and pads out of the spill kit to contain and soak up the spill
- Scott Roughley is to consider if onsite remediation of the spill can be completed in accordance with the spill kit procedure
- Spill response items are to be collected and put into contaminated waste bag provided in the spill kit and disposed of at an appropriate waste disposal facility
- Scott Roughley is to arrange replacements for the used parts out of the spill kit as soon as possible taking into account future spills
- Scott Roughley is to ensure completion of an Incident Report
- Scott Roughley will ensure the spill kits will be sufficiently filled and maintained at all times
- Any person operating Overland Engineering's truck to transport waste oil must be trained in the use of the spill kits and trained in loading and unloading, carting and tying down the waste oil drums to ensure correct handling

After the spill or leak has been contained and stopped follow the Process procedure for the next steps as bellow:

Process

- Stop all work in the affected area;
- Ensure the safety of all workers, visitors and the public in the vicinity of the spill/incident;
- Conduct a brief assessment of the affected area and notify Scott Roughley of the result of this assessment;
- The assessment shall include:
 - Quantity of the substance split / nature of the incident
 - Type of substance (i.e. waste oil)
 - Location, and potential impact on the environment, and the health and safety of the personnel
 - Whether the spill / incident is manageable by Overland Engineering Personnel or if emergency services need to be contacted
 - The most effective method of clean up which for waste oil will be by using the spill kit provided (socks to isolate the oil and the pads to absorb the oil and the bags to contain the contaminated rags to bring home).
- Where the spill presents an immediate danger to people, property or the environment, the following needs to be determined:
 - Whether sufficient spill control equipment and PPE is available to deal with the spillage
 - Whether attempts to deal with the spill on site would pose any risk to personnel safety
 - Whether NT Fire and Rescue Services Phone 000 need to be contacted
 - Whether an off site waste management contractor needs to be contacted to deal with the spillage for clean up, removal and safe disposal of the waste oil.
- Where it is determined that the spill cannot be managed by the resources on site, efforts shall be made (only were safe to do so) to protect the stormwater drains and sensitive areas
- Notify the NT Fire and Rescue Service 000 and other organizations in accordance with incident reporting procedures.

Notification and Further Management

- Complete notifications in accordance with the Environment and Pollution Incident Response and Notification Management Procedure.
- Notify the NT EPA of any potential or actual environmental harm or pollution by contacting the Pollution Hotline on 1800 064 567 and emailing environmentops@nt.gov.au