



**McConnell Dowell Constructors**

# **PROJECT SPILL RESPONSE PLAN**

**Client: EASTLAND PORT LTD**

**Project: WHARF 7 REBUILD**

**Location: Gisborne Port**

**Project No: 6989**

Revision History

Rev	Date	Details	Author	Reviewer	Approver
A	18/01/2022	Issued for use	B. Barnett	H. Robinson	H. Robinson

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# 1 SCOPE

McConnell Dowell recognises that marine piling activities have the potential to result in hydrocarbon spills to the marine environment leading to adverse impacts on marine ecology at the site and surrounding areas. McConnell Dowell is committed to the management factors that aim to mitigate and reduce adverse environmental impacts from construction activities. This Project Spill Response Plan is specific to the Wharf 7 Rebuild Project (“the Project”) and details the spill response sequence, associated environmental risks and resulting controls.

The Wharf 7 Rebuild Project construction works are outlined in section 2 of the Construction Management Plan (CMP), and include the use of drilling, impact and vibratory piling methods for wharf construction.

All works will be carried out from the landside with the support of some small tender vessels for worker transport, safety and spill response purposes.

# 2 OBJECTIVES

The primary purpose of this plan is to detail the spill response steps that will be followed throughout the works ensuring Project requirements are adhered to.

This plan provides the minimum requirement for reducing the risk of spills, minimising any associated environmental impacts, and the safe, effective response to spills within the marine environment.

# 3 RESPONSIBILITIES

The Project is responsible for undertaking work in accordance with the Construction Management Plan, including:

- Effective planning and provision and maintenance of field control measures (e.g. spill kits) for spill prevention and response.
- Completion of environmental incident response, reports and remedial clean-up and disposal of spill contaminants.
- Providing training for personnel on spill response procedures relevant and specific to their scope of work.
- Conducting preventative maintenance to all plant, equipment and vessels and providing records of maintenance to Superintendents and Plant Department.
- Addressing all environmental corrective actions in a timely manner.
- Maintaining records of all spills and responses and volumes of spill excess recovered.
- Storing and using chemicals in accordance with legislative and site requirements and Safety Data Sheets (SDS).

- Actively supporting inspections and reviews of work procedures.
- Coordinating spill emergency response actions with the Harbourmaster and Maritime NZ.

## 4 LEGISLATION

The Project ensures compliance with all relevant legislation and aims to employ best practice marine pile driving environmental management procedures for the construction of the Project.

Key environmental legislation for the management of marine pile driving includes, but is not limited to:

- Maritime Transport Act 1994
- New Zealand Port and Harbour Marine Safety Code
- Navigation and Safety Bylaw 2014 and Controls

## 5 PROJECT REQUIREMENTS

The following controls shall be implemented as minimum requirements for all construction works and works over water to manage the risk of spills:

- Hydrocarbon spill kits are to be available on the wharf deck and support vessels.
- Sufficient oil absorptive and or contaminant booms as determined through an appropriate work specific risk assessment.
- Fuel tanks stored on the wharf shall be self-bunded, weather-proof and with emergency cut off control valves.
- Only the minimum necessary quantities of chemicals, fuel and potential contaminants will be stored on vessels.
- Spill response training provided to staff working with the piling equipment and Spill Response Guide (Appendix A) posted with all spill kits on site.

## 6 SPILL RESPONSE

### 6.1 LEAKS AND SPILLS ON THE WHARF DECK

1. When it is safe to do so, the spill shall be isolated at the source.
  - containers repositioned up right if knocked over
  - plant or equipment will be switched off
  - lid or cap will be placed on containers or tanks
  - rupture to a hydraulic hose plugged with absorbent pads or similar and secured with tape or cable ties

2. The spread of the spill shall be contained by positioning physical barriers on the deck including but not limited to absorbent booms, pads or material. The focus will be on containing potential contaminants to the wharf and preventing it from entering the water or stormwater sumps.
3. Absorbent material, kitty litter or absorbent granules will be applied to soak up the spilled material
4. Once spillage has been absorbed material will be swept up and placed into a plastic waste bag for disposal. Any booms, pads or other materials will be placed into a separate waste bag. Waste bags will be placed into specific waste containers or drums to be removed by a licensed contractor.
5. Personnel involved in the spill response will notify the Project Manager and HSE Manager as soon as possible upon identifying a spill.
6. Spill response materials will be restocked and accessible prior to works recommencing
7. An incident report and if needed an investigation will be carried out by the HSE Manager or appropriate delegate.

## 6.2 LEAKS AND SPILLS TO WATER

### If spill is containable and can be cleaned up with project resources

1. When it is safe to do so, the source of the spill shall be isolated at the source.
  - containers repositioned up right if knocked over
  - plant or equipment will be switched off
  - lid or cap will be placed on containers or tanks
  - rupture to a hydraulic hose plugged with absorbent pads or similar and secured with tape or cable ties
2. The spread of the spill will be contained within the wharf area where possible using physical barriers such as absorbent booms and pads with a focus on limiting the amount entering the water or stormwater sumps.
3. The tender vessels will be used to deploy floating marine spill booms around the spill in the water to limit the spread. Personnel will assist from the wharf securing containment booms to piles to capture the spill. **Some examples of deployed spill booms are shown in the images below.**



4. When the spill has been controlled within containment booms absorbent pads and other absorbent materials such as floating peat will be used to remove the hydrocarbons from the water's surface, changing out as necessary until the hydrocarbon sheen is no longer visible.
5. Once the sheen has been removed from the water surface response materials will be carefully collected by response vessel, placed into plastic bags then to placed into hazardous waste containers on the wharf.
6. Personnel involved in the above outlined spill response will notify the Project Manager and HSE Manager as soon as possible, who will notify the Eastland Port.
7. An incident report and investigation will be carried out by the HSE Manager or appropriate delegate.

#### **If spill is not containable and assistance is necessary**

1. When it is safe to do so, the source of the spill shall be isolated at the source.
  - containers repositioned up right if knocked over
  - plant or equipment will be switched off
  - lid or cap will be placed on containers or tanks
  - rupture to a hydraulic hose plugged with absorbent pads or similar and secured with tape or cable ties
2. The spread of the spill will be contained within the wharf area where possible using physical barriers such as absorbent booms and pads with a focus on limiting the amount entering the water or stormwater sumps.
3. Project Manager notifies Eastland Port for assistance
4. Contact Gisborne Harbourmaster: **24 hour phone – 0800 653 800 / 06 867 2049**
5. Provide as much detail as possible, including;
  - Name, location and project details
  - Type of spill e.g. oil, diesel, petrol
  - Estimated quantity of spill
  - Any relevant safety information or hazards
6. An incident report and investigation will be carried out by the HSE Manager or appropriate delegate.

## **7 MONITORING**

Daily and weekly inspections of work areas shall be conducted which includes inspection of spill prevention and response capabilities.

Items to be inspected will include:

- Spill kit accessibility and stock levels;
- Waste segregation compliance and storage capacity, and
- Evidence of unmanaged spills around site.

Any issues identified shall be recorded on inspection reports and hazard cards to be actioned.

Random inspections or task observations of specific activities (e.g. refuelling operations) may be carried out at any time by Superintendents, HSE Manager and Environmental Manager.

Incoming plant inspections shall be carried out on all plant mobilising throughout the project and daily plant inspections will be carried out by the operators including inspections of hydraulic components for leaks or damage.

## 8 TRAINING

All Project personnel shall be briefed in spill prevention and control as part of the Project Induction.

In addition, the Project shall provide specific training in spill response and clean up measures using spill kit materials and appropriate equipment to address potential hazards relevant to their specific scope of works.

The Spill Response Guide (Appendix A) will be posted at all spill kits and within shared areas to provide quick response guidance to staff in the event of a spill.

# APPENDIX A: SPILL RESPONSE GUIDE



# SPILL RESPONSE PLAN

## SPILL RESPONSE CONTACTS

Superintendent  
Environmental Manager  
HSE Manager

Adrian Batterham  
Brendon Barnett  
Gavin Meccia

021 940 979  
021 527 461  
021 243 0408



**Assess and Be Safe**



**Stop the Source**



**Protect the Stormwater**



**Notify**



**Clean Up**



**Dispose Responsibly**



**Restock and Review**

## LEVEL OF RESPONSE REQUIRED:

- ANY SPILL to WATER - notify Superintendent immediately to activate marine response.
- **CALL UNTIL YOU TALK TO SOMEONE—DON'T JUST LEAVE A MESSAGE.**
- Spill within 20m of water and/or more than 10L - notify HSE Manager
- Spill 20m or more away from water and less than 10L - Clean up & complete hazard report

## IMPORTANT STEPS TO FOLLOW:

### Assess

- Identify the spilled material.
- Check Safety Data Sheet (SDS) if unsure (found in hazardous goods container).
- Get required PPE.
- Ensure your safety and safety of others before addressing the spill.

### Stop the Source

- Stop machine, stand up container, turn off the tap, plug the leak.

### Protect Waterways / Contain

- Use spill kit pads, pillows and socks to hold spilt material.

### Notify Supervisor

- Notify Supervisor immediately.
- For spill to water and large spill the Project Manager will notify EPL & GDC

### Clean Up

- Use pads, pillows, socks, booms and ANA-fibre to begin clean up.
- Be sure to collect contaminated material and equipment and dispose of in a contaminated waste bin or store in hazardous goods container. for collection.
- If needed, dig up contaminated soil and dispose of in contaminated waste bin.

### Complete Report

- HSE Manager to complete environmental incident report and forward to EPL within 48 hours.

### Replace Materials in Spill Kit

- Ensure all used spill kit materials are replaced immediately.



**Absorbent granules or peat**  
Sprinkle over spill, allow to soak up liquid then sweep up to remove.



**Absorbent pads**  
Use to mop up or catch smaller spills and leaks.



**Absorbent booms**  
For containing spills and protecting waterways. Place around spilled material or drain to act a barrier.



**Plug 'n' dike**  
For temporarily plugging punctured tanks and drums.



**Rubber cesspit protector**  
Place cover nearby storm water inlets.