

## Appendix 2-8 – Drehid Emergency Response Plan



ENVIRONMENTAL PROCEDURE	SOP #	EP 7.0
	REVISION #	3
GENERAL EMERGENCY PREPAREDNESS & RESPONSE	ISSUE DATE	Dec. 22
	PAGE(S)	Page   2

## 1. Purpose

To identify the potential for, and to respond to, accidents and emergency situations, and to prevent and mitigate the environmental impacts that may be associated with them.

## 2. Scope

The Scope of this procedure is the application of the Environmental Emergency Plan.

## 3. References

EP 8.0 Environmental Incident Investigation and Reporting  
 EP 7.0 Emergency Preparedness and Response  
 EP 9.0 Non-Conformance Procedure  
 EP 10.0 Corrective and Preventive Action Procedure  
 EPF 7.1 Emergency Contact List

### Incident Contact List:

Emergency Contact List for Drehid Waste Management Facility			
Service / Agency	Address	Telephone Numbers	Fax / e-mail
EPA Headquarters	Johnstown Castle Estate Wexford	053 9160600	info@epa.ie
Kildare Co. Council	Newbridge Road Naas Co. Kildare	045-980200	
Inland Fisheries Ireland	Anglesea Street Clonmel, Co. Tipperary	087-6796823 (Donnachadh Byrne)	enquiries@srfb.ie

## 4. Procedure

1. An Emergency Plan is prepared and maintained by Drehid Waste Management Facility. This Plan details any emergency situation which could occur on site and the proposed response should this emergency occur. The Emergency Plan details procedures for the following occurrences:

- ERP 02 Spill Clean-up Procedure
- ERP 03 Fire / Explosion Procedure
- ERP 04 Malicious Damage Procedure
- ERP 05 Unforeseen Emergencies Procedure

2. Should an emergency situation occur, the relevant response procedure documented within the Emergency Plan is implemented. Each procedure details the emergency situation, the proposed response should this emergency occur and the potential environmental impacts of this occurrence.
3. The Landfill Manager shall assume the role of Site Incident Controller, with responsibility for
  - (i) assessing the scale of the incident
  - (ii) informing emergency services
  - (iii) directing rescue and fire-fighting operations.

In the absence of the Landfill Manager the designated Environmental Officer shall assume the role of Site Incident Controller.

ENVIRONMENTAL PROCEDURE	SOP #	EP 7.0
	REVISION #	3
GENERAL EMERGENCY PREPAREDNESS & RESPONSE	ISSUE DATE	Dec. 22
	PAGE(S)	Page   2

4. In an emergency situation the Landfill Manager shall be contacted immediately via the two-way radio system. The weighbridge radio shall act as the main point of contact for the Landfill Manager.
  5. Following an emergency, the Landfill Manager (or in his absence the designated Environmental Officer) shall record the details of the incident. Environmental Incident Investigation and Reporting Form EPF 8.1 shall be completed which is located within the procedure for Environmental Investigation Report Form (EMS Environmental Procedure EP 8.0). Following the environmental incident appropriate procedures shall be implemented accordingly i.e. Environmental Non-Conformance Procedures EP 9.0, Environmental Incident Investigation and Reporting Procedures EP 8.0 and Environmental Corrective and Preventative Action Procedure EP 10.0.
  6. This procedure shall be reviewed by the Environmental Management team, annually or after the occurrence of an emergency situation. Additional procedures may be prepared as identified by environmental reviews/audits, environmental compliance monitoring reports, personnel during routine working hours or other communications which bring potential emergency situations to the attention of the Environmental Management Team.
  7. The Landfill Manager shall notify the Environmental Protection Agency as soon as possible after the occurrence of an incident as per procedure EP 17.0 Reporting.
  8. In the case of any incident which relates to discharges to water, the Landfill Manager shall notify the Local Authorities and the Inland Fisheries Ireland as soon as practicable after the incident.
  9. On a weekly basis all emergency response equipment shall be checked to ensure it is provided in agreed quantities and in suitable working order. The dust suppression water bowser shall be checked on a daily basis to ensure that it is full of water.
  10. In the case that an emergency situation arises outside the hours of operation, the security person shall immediately contact the designated person on call.
-

ENVIRONMENTAL RESPONSE PLAN	SOP #	EP 7.0-ERP-02
	REVISION #	1
SPILL CLEAN UP PROCEDURE	ISSUE DATE	Dec. 22
	PAGE(S)	Page   3

## 1. Purpose

This procedure details the steps to be taken when dealing with a spillage of a hazardous substance on site. It is required in order to:

- Protect Employees
- Protect the Environment
- Prevent Fugitive Emissions

## 2. Scope

This procedure applies to Bord na Móna Drehid Waste Management Facility.

## 3. Procedure

This procedure should be followed for all small, large, and massive spills, which may occur.

### Definitions:

- Small Spill: Less than 5 litres
- Large Spill: Greater than 5 litres and less than 250 litres.
- Massive Spill: Greater than 250 litres

1. Hazardous materials shall be handled (loaded, unloaded and moved) by a competent person using the correct equipment and appropriate protective clothing. Appropriate precautions should be taken at all times to minimise the risk of accidental spillage.
  2. In the event of a spillage occurring, the Landfill Manager or the designated environmental officer shall initially investigate the following issues:
    - How long it has been since the incident occurred.
    - Consult the relevant data sheets (Material Safety Data Sheets or otherwise) for the method of spill containment and fire control of the affected material.
    - Contact the relevant emergency response number (local fire service, police, hospital and Environmental Protection Agency telephone numbers which are detailed on the Emergency Contact List.
    - Locate the nearest fire suppression system as appropriate; (Dry powder extinguishers for ABC fires [wood, paper, textiles, liquid fuels and gases]. Foam extinguishers (or the dust suppression water bowser for larger fires) for AB fires [wood, paper, textiles and liquid fuels] Carbon Dioxide [liquid fuel fires and electrical equipment] .
    - Note the wind direction and any possible sources of ignition i.e. naked lights, machinery, electrical fittings, and combustible material and remove them from the area.
  3. Evacuate the area (for large spills if necessary)
    - The Landfill Manager or any other designated person from the Emergency Response Team shall ensure that all personnel are evacuated in a calm, efficient manner. Staff should be instructed to walk briskly to their designated evacuation locations.
    - If flammable material is involved in the spill, isolate equipment and materials that may be affected.
    - If deemed necessary, the Landfill Manager or any other designated person from the Emergency Response Team shall instruct for the appropriate emergency services to be contacted.
  4. The spillage must be contained using absorbent material, socks, booms or absorbent granules to create a secure dike. The Landfill Manager or any other designated person from the Emergency Response Team shall ensure that all appropriate personal protective equipment is worn [as detailed in the Material Safety Data Sheet for the spilled material(s)].
-

ENVIRONMENTAL RESPONSE PLAN	SOP #	EP 7.0-ERP-02
	REVISION #	1
SPILL CLEAN UP PROCEDURE	ISSUE DATE	Dec. 22
	PAGE(S)	Page   3

5. If the spillage emanated from a drum, position the drum so that the ruptured section is in an upwards direction, thereby preventing a further leakage.
6. Once the spill has been contained the liquid shall either be pumped or removed into a barrel using non-spark shovels and labelled appropriately (contents, name and date).
7. Clean up Operation.
  - Use non-sparking shovels and brushes to sweep the spilled material into drums.
  - Start on the outside and work in towards the centre of the spill.
  - Do not mix different types of waste.
  - Drum the waste and seal the container or bag and double bag.
  - Label the waste with the destination name, appropriate hazard label and name of waste giving as much information as possible on contents, plus concentrations of constituents, etc.
  - If the spill occurred due to a damaged drum, place the ruptured drum into a salvage drum container, until disposal is arranged.
  - Decontaminate personnel by using the washing facilities.
8. Any waste material resulting from a spillage clean-up shall be dispatched to an appropriate facility for disposal and/or recovery. If the affected material is considered hazardous, it is stored in a container and collected as soon as possible by a certified hazardous waste disposal contractor.
9. Following an emergency, the Landfill Manager shall record details of the incident on the Operations Log. Following a comprehensive investigation into the source of the emergency situation, a corrective action shall be formulated in the Operations Log and the incident closed out.
10. Kildare County Council and the EPA shall be informed if hazardous chemical or firewater infiltrates the drainage network.
11. Spill kits are located as follows:

Number	Location	Description
1.	Maintenance Shed	Yellow Wheelie Bin
2.	Leachate Management Area	Yellow Wheelie Bin
3.	Weighbridge	Yellow Wheelie Bin
4.	Compost Plant Intake Door	Yellow Wheelie Bin
5.	Landfill Gas Unit	Yellow Wheelie Bin
6.	Landfill Gas Unit	Yellow Wheelie Bin

12. The contents (including descriptions and quantities of each item) are included on the Spill Kit Register. These include:
    - Oil pads
    - Oil socs
    - Goggles
    - Warning tape
    - Disposal bags
  13. The Site supervisor must ensure that the resultant depleted spill kit (s) is /are replenished without delay. He must also ensure that replenishment stock is re-ordered straightaway.
  14. On a weekly basis all spill response equipment shall be checked to ensure it is provided in agreed quantities and in suitable working condition.
-



ENVIRONMENTAL RESPONSE PLAN	SOP #	EP 7.0-ERP-02
	REVISION #	1
SPILL CLEAN UP PROCEDURE	ISSUE DATE	Dec. 22
	PAGE(S)	Page   3

Revision Index			
Revision	Date	Description of change	Approved
1	01/01/09	First release	CG
2	13/12/22	Amended to include new company name and logo	PD
3			
4			

ENVIRONMENTAL RESPONSE PLAN	SOP #	EP 7.0-ERP-03
	REVISION #	3
FIRE/EXPLOSION PROCEDURE	ISSUE DATE	Dec. 22
	PAGE(S)	Page   2

## 1. Purpose

A procedure to deal with fire/explosion emergencies is required for the following reasons:

- To protect Employees.
- To protect the Environment.
- To prevent fugitive emissions.

## 2. Scope

This procedure applies to Bord na Móna Drehid Waste Management Facility.

## 3. Procedure

1. Employees shall only attempt to fight a fire if safe to do so. If an employee feels that they cannot tackle a fire safely and effectively, **EVACUATION OF ALL PERSONNEL IS THE PRIMARY PRIORITY.**
2. All buildings have been fitted with landfill gas monitoring facilities which detects for the presence of carbon dioxide and methane. In the event that landfill gas accumulates in a building the alarm shall activate.
3. The Landfill Manager or designated environmental officer shall evacuate the area in a calm, efficient manner. All staff and contractors shall be instructed to walk briskly to the designated evacuation point.
4. In the event of a fire/explosion occurring, the Landfill Manager shall complete a roll call to account for all employees and contractors that may be present on-site.
5. The Landfill Manager shall identify the location of the fire/explosion risk through dialogue with the individual who discovered the fire and shall take one of the following actions:
  - Determine whether the fire can be **SAFELY** isolated utilising the available firefighting equipment
  - If the fire is not controlled with the fire fighting equipment available, the local fire brigade shall be notified immediately. Local fire, police and hospital telephone numbers are detailed on the Emergency Contact List. These details are with the weighbridge operator who should:
    - a. Dial 112 for emergency services
    - b. Request emergency service
    - c. Give details of type of emergency and phone number in case call is inadvertently disconnected
    - d. Provide information requested by call recipient
    - e. Determine estimated time of arrival to site and communicate this information to the relevant member of ERT.
    - f. Hang up only when told to do so by call recipient
    - g. Fill out details required by emergency contact log as soon as it safe to do so.
6. If the fire poses a potential risk to the adjacent bogland then Bord na Móna Fire Response (046 9733373) or the Bog supervisors Jim Dunne must be contacted immediately. The contact details are detailed on the Emergency Contact List (EPF 7.1).
7. Determine whether the explosion risk from gas build up within a building can be **SAFELY** eliminated by ventilation of the area.
8. If the fire can be safely isolated, locate the nearest fire suppression system as appropriate; (Dry powder extinguishers for ABC fires [wood, paper, textiles, liquid fuels and gases] Foam extinguishers (or the dust suppression water bowser for larger fires) for AB fires [wood, paper, textiles and liquid fuels] Carbon Dioxide [liquid fuel fires and electrical equipment]. Only small, localised fires, should be extinguished in this manner.

ENVIRONMENTAL RESPONSE PLAN	SOP #	EP 7.0-ERP-03
	REVISION #	3
FIRE/EXPLOSION PROCEDURE	ISSUE DATE	Dec. 22
	PAGE(S)	Page   2

9. In the event of smoke in the waste or on the surface of the landfill or a hot load of waste being noticed by either operational staff or after hour site supervision EP 27.0 Sub-Surface/Surface Landfill Fires Procedure shall be activated.
10. Note the wind direction and any possible sources of ignition i.e. naked lights, machinery, electrical fittings, and combustible material and remove them from the area.
11. Personnel shall not re-enter buildings unless the Landfill Manager/Fire Officer deems it safe to do so.
12. Once the fire has been extinguished or the explosion controlled on site personnel shall complete a clean-up operation as per EP-7-ERP-02 Spill Clean-Up Procedure using the available resources.
13. Effected areas shall be checked thoroughly in order to ensure that the fire is quenched. If the affected material is considered hazardous, it is stored in a container and collected as soon as possible by a certified hazardous waste disposal contractor.
14. Following an emergency, the Landfill Manager, or other designated responsible person shall record details of the incident as per EP 8.0 Incident Investigation and Reporting Procedure.

Revision Index			
Revision	Date	Description of change	Approved
1	01/01/09	First release	CG
2	22/03/19	Review	CG
3	14/12/22	Amended to include new company name and logo	PD
4			



ENVIRONMENTAL RESPONSE PLAN	SOP #	EP 7.0-ERP-04
	REVISION #	1
MALICIOUS DAMAGE PROCEDURE	ISSUE DATE	Dec. 22
	PAGE(S)	Page   1

### 1. Purpose

This procedure is required in order to monitor and prevent malicious damage.

### 2. Scope

This procedure applies to Bord na Móna Drehid Waste Management Facility.

### 3. Procedure

1. Where any occurrence of malicious damage is noted or where persons are observed causing malicious damage, the Landfill Manager shall be informed as soon as is practical.
2. Where malicious damage results in a significant environmental impact, or a potentially significant environmental impact, the Landfill Manager shall be advised who then undertakes to minimise and repair the damage caused.
3. Persons observed causing malicious damage shall be subjected to internal disciplinary action. The Landfill Manager will report external persons to the Gardaí.
4. Following an emergency, the Landfill Manager, or other designated responsible person shall record details of the incident as per EP-8.0 Incident Investigation and Reporting Procedure.

Revision Index			
Revision	Date	Description of change	Approved
1	01/01/09	First release	CG
2	13/12/22	Amended to include new company name and logo	PD
3			
4			

ENVIRONMENTAL RESPONSE PLAN	SOP #	EP 7.0-ERP-05
	REVISION #	3
UNFORESEEN EMERGENCIES AND FUGITIVE EMISSIONS PROCEDURE	ISSUE DATE	Dec. 22
	PAGE(S)	Page   2

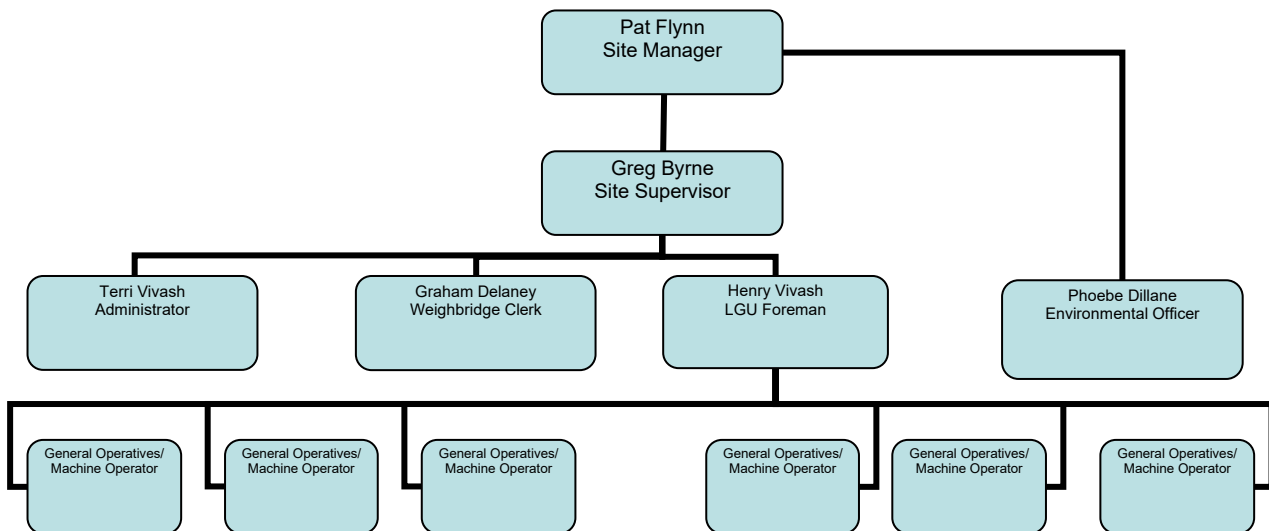
### 1. Purpose

The purpose of this procedure is to outline the procedure to be adhered to in the event of an unforeseen emergency.

### 2. Scope

This procedure applies to the Drehid Waste Management Facility.

### Organisation & Responsibilities (ERT)



### 3. Procedure

1. Following the occurrence of an incident requiring emergency action, the observant shall contact the Weighbridge Operator & Site Manager or in his absence most senior representative of management on-site.
2. Access situation and severity and request emergency services where necessary instruct the Weighbridge Operator to call for the emergency services (local Fire, police and hospital telephone numbers are detailed on the Emergency Contact List in Weighbridge).
  - a. Dial 112 for emergency services
  - b. Request emergency service
  - c. Give details of type of emergency and phone number in case call is inadvertently disconnected
  - d. Provide information requested by call recipient
  - e. Determine estimated time of arrival to site and communicate this information to the relevant member of ERT.
  - f. Hang up only when told to do so by call recipient
  - g. Fill out details required by emergency contact log as soon as it safe to do so.
3. Should the incident be determined to be capable of being addressed in-house, under the guidance of the most senior representative of management on-site, the Environmental Emergency Response Team shall be mobilised paying due regard to the appropriate emergency response procedure (EP-ERP-1-5).
4. In the event the situation involves a Man Down do not move the casualty until First Aid or Emergency Services give instruction.

ENVIRONMENTAL RESPONSE PLAN	SOP #	EP 7.0-ERP-05
	REVISION #	3
UNFORESEEN EMERGENCIES AND FUGITIVE EMISSIONS PROCEDURE	ISSUE DATE	Dec. 22
	PAGE(S)	Page   2

5. Once ERT arrive at the incident all Contractors and visitors must be directed to the visitor assembly point
6. In the event the Emergency Services are called ERT will cordon off the area and ensure emergency services access in clear to the Incident site.
7. If incident occurs on landfill Tip Face move all machinery not involved clear of the incident and switch engines off.
8. Once the situation is under control and has been deemed safe by the Landfill Manager or most senior member of management on site then the relevant report forms must be completed and the HSA informed where relevant.
9. In the event that the incident gives rise to an emission the Landfill Manager and the Emergency Response Team shall immediately
  - Isolate the source of any such emission
  - Carry out an immediate investigation to identify the nature, source and cause of the incident and any emission arising there from
  - Evaluate the environmental pollution if any caused by the incident
  - Identify and execute measures to minimise the emissions or malfunction and the effects thereof
10. Following an emergency, the Landfill Manager, or other designated responsible person shall record details of the incident as per procedure EP 8.0 Environmental Incident Investigation and Reporting. The Landfill Operations Manger shall also identify and put in place measures to avoid reoccurrence and put in place any other appropriate remedial action.
11. The Landfill Manager shall provide a proposal to the Agency for its agreement within one month of the incident occurring or as otherwise agreed by the agency.

Revision Index			
Revision	Date	Description of change	Approved
1	01/01/09	First release	CG
2	10/06/09	Review	CG
3	13/12/22	Amended to include new company name and logo & update of the organisational chart	PD
4			