

Attachment J Accident Prevention and Emergency Response

Please see attached Emergency Response Procedure for Greenport Environment Ltd.

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**Greenport Environmental
Ltd, Durnish, Harbour
Road, Foynes, Co.
Limerick**

Prepared by:
Environment Manager

Approved by:
Health & Safety Officer

1) Purpose:

The purpose of this procedure is to set out a plan which will be followed in order to ensure a timely and co-ordinated response by Greenport Environmental Ltd. to critical incidents and urgent situations involving staff, contractors and visitors to Greenport Environmental Ltd.

2) Roles:

It is the responsibility of the Health & Safety Officer to ensure that all procedures related to this document are updated and adhered to.

The Management Team is charged with the responsibility of operating an effective emergency plan and for ensuring that it is kept up to date and also by ensuring the following:

- Adequate testing of equipment and supply of spill absorbent material where required.
- Training of staff on fire extinguisher usage/spill response/first aid is provided
- Ensure fire-fighting equipment is examined / tested by supplier / maintenance firm at least once per annum.
- Evacuation drills are carried out on a biannual basis.

3) Four Stages of Critical Incident Management

The company's response to a critical incident will consist of the following four stages:

1. Immediate response/intervention
2. Secondary response/referral to external agencies
3. Post incident response/debriefing and counselling (where necessary)
4. Review/ was the incident handled appropriately?

4) Proposed Controls and Mitigation Measures

Due to the nature of the processes which requires a humid atmosphere within the processing tunnels and the advanced process controls in place, the likelihood of a fire is very low.

There will be no use of chemicals or other liquids that may be hazardous to the environment within the process. The facility is fully enclosed and is designed to contain any spillages in the event of an incident.

Diesel fuel will be stored outside the main building in a fully bunded and enclosed system. In the event of a spill, all material will be contained within the bund as all pumps and valves.

The building design and process technology incorporates many features which prevent or mitigate against emergency scenarios and include the following controls/mitigation measures:

- Fully enclosed building which will contain any spillages
- Sealed process tunnels which will prevent ingress egress of air/gas into/out of tunnels.
- Ex rated electrical fittings in process area.
- Process is a natural process requiring a humid atmosphere, not conducive to fire.
- Computer controlled process monitoring equipment which will automatically adjust the conditions within the process to ensure a steady state environment.
- Air extraction system with sufficient turnovers to prevent any potential build-up of gases.

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- Bunded and enclosed fuel storage located outside the process building
 - Oil interceptor installed on stormwater drain in the event of any spills on the hard standing areas outside the building.
 - Emergency Exits and Emergency Equipment Points will be located and signed throughout the facility. Routine inspections/servicing of same will be conducted.
 - Employees are made aware of locations of emergency exits, emergency equipment and Assembly Points.
 - Designated smoking area outside the building.
 - There will be a supply of spill absorbent material at critical locations.
 - External Emergency Services will be contacted to make them familiar with the facility and the process.

In addition to the internal control and mitigation measures, the development is located within the Port Authority area. The Port authority has developed a substantial Emergency Response Procedure which incorporates a co-operative response between the industries located in the Port Authority area, the Local Emergency Services and the Port Authority itself. Greenport Environmental Ltd will support, co-operate with and abide by this ERP developed by the Port Authority.

5) Evacuation Procedure

In the event of a fire alarm activation:

- Before evacuating the fire area safely stop your work and turn off machinery.
- Exit the building in a calm manner and go directly to your designated Assembly Point – do not run.
- Employees trained in the use of fire extinguishers will try to extinguish the fire, without placing themselves in danger and making sure they have a safe exit from the fire area.
- If required, the fire services must be contacted immediately.

6) Emergencies Outside of Normal Working Hours

Foynes Site Security personnel are on-duty 24 hours a day. They carry out the following:

- Survey the Foynes Port Area by patrol and by camera
- Prohibit access to the public
- Take immediate action appropriate to the emergency.
- Contact the appropriate emergency service.

The facility will be monitored remotely by Security personnel based at the Parent Company's facility in Luddenmore, Co Limerick. In addition Senior management Personnel will receive automatic alarms to their mobile phones from the facility in the event of an emergency.

7) Accidents and Dangerous Occurrences

All employees who sustain an accident or illness shall be required to report to their Manager, who will in turn report to Health and Safety Manager.

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8) Accidental Emissions / Spillages

8.1 Emissions / Spillages on site

- Bunding of tanks - All tanks are bunded.
- Over ground pipelines are secondary contained - Effluent pipelines are secondary contained.
- Chemicals/ incompatible materials - Material Data Sheets should be stored near chemicals for easy access.
- Incompatible chemicals must be segregated.
- Chemicals must be stored on a concrete base.
- Emergency spill response kit must be provided.
- Prevention of Rain Ingress, Wind Dispersion for stored substances - Chemicals should be stored indoors where possible.

The actions to be taken in the event of a spillage / emission occurring is described below:

- Immediately raise the alarm.
- Switch off dispensers.
- Prevent entry of vehicles on site.
- Do not start engines in the vicinity of the spillage.
- Consult relevant Material Safety Data sheets. EPA Licence in the event of a chemical/liquid emission and respond accordingly.
- Spillages must be contained locally by using absorbent material, where possible. Emergency spillage kits are provided.
- The relevant authority either the EPA or local council must be informed immediately by a Director or a member of Senior Management team.
- Dispose of absorbent material i.e. sand as directed by EPA.
- The reasons of the emergency must be investigated and corrective action initiated.
- Written records if spillages/emissions must be kept.

8.2. Emissions Spillages off site

- Each vehicle is equipped with an emergency spill kit, to deal with minor spillages.
- Where a major spill occurs – the crew contact the transport Manager.
- An Emergency Spillage Team is dispatched to deal with the incident.
- The E.S.T is as follows:
 - Transport Manager
 - Trained Operators
 - Road Maintenance Vehicle
- Where a spillage occurs that cannot be dealt with by the E.S.T team, the relevant services are contacted.
- The transport manager or the member of senior management in turn shall notify the relevant local authority (i.e. the local authority in whose area the incident occurs) immediately.
- The incident is investigated and the incident report form is completed.
- The appropriate corrective action to prevent a similar incident in future is taken.
- The local authority in which the incident occurred shall be informed within one week of the incident with a written record. This record shall include:
 - The date time and location of the incident
 - A full description of the incident

**EMERGENCY RESPONSE
PROCEDURE**

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- Details of any measures taken to prevent or reduce environmental pollution or harm to human health which was caused or may be caused by the incident
 - Details of steps taken to avoid recurrence of similar incidents
 - A copy of the incident report form and the written record sent to the appropriate council and shall be kept in the incident report folder in the environmental office.

Any accident involving physical injury to an employee at work shall be reported by him/her immediately to their Manager who shall investigate the matter, complete an Accident report Form and report the matter to Health and Safety Manager.

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EMERGENCY CONTACT NUMBERS

These numbers should be posted by all phone stations throughout the plant.

Doctor:

Dr. Michael Sheahan 087-857 5693

Dr. Michael Clery 061-383106

Ambulance: 999 / 061-301111

Hospitals:
Regional Hospitals, Limerick 999 / 061-301111

Fire Brigade: 999

Gardai: 999 / 061-351102

National Poisons Control/Information Centre 01-8379964 / 01-8379966

Health & Safety Authority: 061-419900

Environmental Protection Agency: 1890 33 55 99

Limerick County Council: 061-496000

ESB: 061-415592

Managing Director: 087-2428762

Health & Safety Manager 086-0400469

Environment Manager 087-0455078

Transport Manager 086-6006844

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