

SECTION J – ACCIDENT PREVENTION & EMERGENCY RESPONSE

Sub-Section	Title	Location of Information
J.1	Accident Prevention and Emergency Response	WLA p.36 and Attachment J.1 EIS Vol. 1 Section 2.5

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ATTACHMENT J.1
ACCIDENT PREVENTION AND EMERGENCY RESPONSE

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J.1 ACCIDENT PREVENTION AND EMERGENCY RESPONSE

This attachment addresses both accidental emissions and emergency situations to the environment. There is only a small risk of unexpected events occurring at the proposed C,D&E Facility. Furthermore, an Environmental Monitoring Programme will be enacted to assess any emissions likely to arise from the overall Facility. It is not anticipated that the Facility will present any danger to the public. Access to the Facility will be restricted to employees, hauliers and pre-arranged visitors to the Facility. All hauliers will comply to the health and safety plan adopted for the Facility and will be shown the correct route to take when entering, depositing load and leaving the Facility. Appropriate signage will be erected on-site. All Facility employees will have obtained the necessary safe pass training. Visitors will report to the Facility office where they will be escorted around the Facility by a member of staff.

Emergencies during normal working hours will be handled by Facility personnel, as discussed in the individual sections below or where necessary by calling the Gardai, the Fire Brigade or the Ambulance Services. Facility personnel will be available during normal working hours to address any unexpected emergencies or emissions which may occur. Security personnel will supervise the Facility and will be trained and responsible for the management of unexpected emergencies or emissions which occur outside of normal operating hours. A phone number will be established if emergencies arise outside of normal operating hours and days.

The following measures and procedures will be implemented on site.

J.1.1 Management of Accidental Emissions and Spillage

Unauthorised/unexpected emissions may involve: dust discharge into air; polluted runoff into groundwater and surface water; and noise.

J.1.1.1 Dust

Dust generation by the Facility may be of local concern, particularly where such materials pass off-site. Dust control is therefore of paramount importance and may be achieved through the implementation of the following steps:

- On site and access roads water spraying to minimise dust emissions;
- On and off-site speed restrictions to prevent the unnecessary generation of fugitive dust emissions;
- Wheelwash construction;
- Attachment of spray bar to concrete crusher; and

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- Low retention times for material in stockpiles.

These measures are standard operating practice and will reduce dust emissions so that there is minimal effect on the facility and its neighbours.

J.1.1.2 Groundwater

Future spillages to ground water from the proposed Facility could include:

- Machinery and operational vehicle fluid losses in parking areas, in refuelling areas, and in maintenance areas;
- Vehicle and machinery fuel storage;
- Hardstand area runoff.

All plant and equipment will be serviced regularly and kept in good working order to avoid breakdown and accidents. As stated previously all staff will have received necessary training before operating equipment. Kits will be placed in high risk areas around the Facility and appropriate training will be given to employees at the facility for dealing with spillage problems. Appropriate bunding and fuelling area will be constructed to avoid any potential leakages from filling activities (Section J.1.2.4). The Facility Manager will be responsible for reporting spillages and accidents at the Facility to the relevant authorities. Refer to Section 2.5.3 of the EIS (Volume 1) for further information.

J.1.1.3 Surface Water

All surface water run-off will be directed to French drains located at the boundaries of the Facility. These will be directed to soak holes or a Surface Water Management Pond. All surface water run-off from the paved reception area will be directed to a silt box and oil interceptor before discharge into the stormwater drain. Shut-off valves will be installed on all surface water discharge lines.

J.1.1.4 Noise

It is predicted that there will be no significant impacts upon the noise environment caused by the construction and operation of the proposed development. All of the likely impacts which have been identified within the EIS have been addressed and mitigation measures proposed where necessary to ensure that the impacts remain at acceptable levels.

J.1.2 Emergency Response

Emergency Response Procedures will be put into action in the event of one of the following emergencies occurring or being imminent:

- Fire
- Plant breakdown
- Accidents on site
- Diesel / Oil spillage

Emergency situations for abnormal operating conditions such as start-up, leaks, malfunctions or momentary stoppages will be handled initially by staff who will inform the necessary emergency services and/or departments within Cork County Council.

J.1.1.1 Fire

The risk of fire is considered to be very low due to the fact that the waste received at the Facility will be inert material. Furthermore, no burning of any material of any type will be permitted at this Facility. To deal with vehicle fires on-site, all vehicles operating at the Facility will be equipped with fire extinguishers. In addition, a water bowser will be available at the Facility for additional fire extinguishing capabilities. Should a fire occur the health and safety co-ordinator will contact Cork Fire service.

J.1.1.2 Plant Breakdown

Breakdown of equipment will be handled by prompt repair and/or having replacement equipment on-site. Fully trained part-time staff will be employed in the event of sickness of any of the key operatives.

J.1.1.3 Accidents At The Facility

If an accident or an incident occurs at the Facility, the personnel involved will be instructed to inform the Facility Manager so that the appropriate actions may be taken to minimise the effects of the accident/incident on the surrounding environment. Furthermore, any accidents that may have a negative impact on the environment will be notified to the Environmental Protection Agency as soon as possible.

If an accident involves personnel injury, the required medical attention will be sought immediately.

J.1.1.4 Diesel/Oil Spillage

Diesel used for the plant on-site will be stored in two 5,000 litre tanks located at the northern boundary of the site. Both tanks will be bunded by concrete walls and floor to hold a volume of 110% of both tanks together. A bunded fuel loading area will be placed adjacent to the storage tanks to collect any spillages that might occur during refuelling. A double skinned fuel bowser will be used for on-site transport to plant. This will be operated by a competent person. In the event of a spill, the spill will first be contained with a suitable boom, and absorbed with the absorbent material. This material will then be collected and stored in a designated container; within the quarantine area for disposal by a suitably certified hazardous waste disposal contractor.

Where major spills occur, the spill will be retained with absorbent booms and absorbent material. Any contaminated soil will be removed and disposed of in a hazardous waste facility by a suitably certified hazardous waste disposal contractor.

In addition, any waste oils from on-site machinery will be stored in a designated 40-litre barrel within a quarantine area. A suitable certified waste oil contractor will collect this waste at defined periods.

J.1.1.5 Electricity

Electricity will be received from connection to the main grid. Under no circumstances will any member of staff interfere or carry out work on or near underground or overhead lines without consultation with the ESB. Goal posts will be placed around the Facility for plant to travel under when moving around the Site. A 10m offset will be adhered to when working around overhead lines.

Refer to Figure D.1c for invert levels in manholes and for locations of plant and equipment at the Facility.