

ATTACHMENT H4 – MANAGEMENT OF WASTE ARISING

The operation of the inert soil waste recovery facility at the Huntstown Quarry complex provides for recovery of excess (waste) soil generated by construction or development projects in Dublin City, North and West County Dublin and across the wider Greater Dublin Area. The continued operation of the facility is only likely to generate low volumes of waste (if any) for off-site disposal or recovery as detailed below.

Any non-hazardous or hazardous wastes identified within the inert soil and stone imported for recovery is separated and transferred to the waste inspection and quarantine facility, pending subsequent removal off-site to authorised waste disposal or recovery facilities by permitted waste collectors. On the basis of experience gained to date in operating this and other waste recovery facilities in the Greater Dublin Area however, Roadstone anticipates that the quantities of such wastes requiring removal off-site are likely to be very low.

Small volumes of virgin aggregate are used for construction of temporary haul roads at the recovery facility. Any concrete, brick, timber, metal, pipes, skips, tiles or other construction and demolition / quarry waste currently held at the quarries will be removed off-site to an authorised waste recovery or disposal facility prior to placement of imported soil and stone. Any existing scrub vegetation will also be removed and recycled.

Any construction and demolition waste inadvertently brought to site in the course of the recovery operations is separated using mechanical plant (excavators) and stockpiled at the waste quarantine area pending transfer off-site to an authorised construction and demolition waste recovery facility.

Any occasional metal waste encountered on site is separated and placed in a skip pending removal off site to a permitted (or licensed) waste recovery facility. Other non-inert waste (timber, plastic etc.) is also separated and placed in a skip pending removal to an authorised waste facility.

All office, canteen / kitchen and residual wastes arising at the site office, weighbridge office and/or staff welfare facilities will be managed using a conventional three bin system, as used for domestic waste management at residential properties and offices.

Only operators and/or haulage firms holding valid current waste collection permits will be engaged to transfer these waste streams to other waste disposal or recovery facilities.

A copy of the general waste management procedures to be implemented at all Roadstone locations and facilities across the State as part of its Environmental Management System (EMS) accompanies this attachment.

Roadstone Ltd.	
WASTE MANAGEMENT PROCEDURE	Doc. No.: EMS / 21
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1.0 SCOPE

To ensure that **ALL** waste streams arising on site, including, decommissioned vehicles, location activities, products and services are controlled and handled in an appropriate manner with regard to all applicable legislation and regulations, and in compliance with the Company's Environmental Policy and Environmental Management System.

2.0 LITTER / DUMPING

It is against strict company policy to drop litter on any company site. Persons found doing so will be asked to lift the litter and dispose of it in the correct fashion.

Fly Tipping is strictly prohibited. Any persons caught dumping will be reported to the Authorities.

3.0 APPROVED WASTE DISPOSAL / RECOVERY CONTRACTORS

All waste contractors employed should hold a valid waste collection permit (as issued by the Local Authority relevant to the location) for the removal of waste off-site. The Environmental Officer shall keep a copy of valid waste collection permits on electronic format. A copy of the Waste Contractors permit / licence for the operation of a waste facility should also be kept on file.

All Hazardous Waste Contractors should hold a valid waste collection permit and a valid waste licence. All locations should receive a Certificate of Disposal from the Hazardous Waste Contractor indicating that the waste has been disposed appropriately.

4.0 CATEGORIES OF WASTE

Table 1 & 2 outlines the reusable/recycling/disposal route for non- hazardous and hazardous waste that may arise on site;

<i>TABLE 1 NON-HAZARDOUS MATERIAL</i>		
<i>MATERIAL</i>	<i>REUSABLE / RECYCLING / DISPOSAL ROUTE:</i>	<i>PERSON RESPONSIBLE</i>
1. General internal domestic waste (litter, food scraps etc.)	a) To be placed in designated skip and collected by Permitted Waste Contractor	Location Manager

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<i>TABLE 1 NON-HAZARDOUS MATERIAL</i>		
<i>MATERIAL</i>	<i>REUSABLE/ RECYCLING/ DISPOSAL ROUTE:</i>	<i>PERSON RESPONSIBLE</i>
2. Old plastic hard hats	a) To be placed in designated skip and collected by Permitted Waste Contractor	Location Manger
3. Scrap metal	a) Where required items of scrap equipment to have remaining oil, fuel, antifreeze, batteries etc removed. (see Hazardous Waste Section) b) All scrap metal to be collected by Permitted Waste Contractor c) Scrap metal suitable for re-use will be stored in a designated area labeled 'Re-usable Materials'. If thee is no plan to reuse the scrap metal, the scrap metal will be collected by a Permitted Waste Contractor	Location Manager
4. Pallets	a) To be stacked neatly. Repair pallets if possible. Re-use. Surplus stock build up to be sold on to a pallet specialist	Location Manager

<i>TABLE 2 HAZARDOUS MATERIAL</i>		
<i>MATERIAL</i>	<i>REUSABLE /RECYCLING/ DISPOSAL ROUTE</i>	<i>PERSON RESPONSIBLE</i>
1. Recovered Oil	a) Recovered oil shall be collected and stored for recycling in designated and labeled bunded tanks b) Recovered oil will be collected by a Licenced Waste Contractor	Location Manager
2. Used spill kit materials	a) Used spill absorbents will be stored in heavy-duty plastic bin bags. Label all bags with note of what they contain, including contaminants. Waste materials to be collected by Licenced Waste Contractor	Location Manager
3. Oil rags and Oil filters	a) To be kept in a designated wheely bin and collected by Licenced Waste Contractor	Location Manager
4. Batteries	a) Batteries to be stored in a high-density polyethylene container b) Used batteries are to be collected by Licenced Waste Contractor	Location Manager

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TABLE 2 HAZARDOUS MATERIAL		
MATERIAL	REUSABLE /RECYCLING/ DISPOSAL ROUTE	PERSON RESPONSIBLE
5. Fluorescent tubes	a) To be stored in a designated labeled storage box until sufficient are collected to be removed off-site by Licenced Waste Contractor	Location Manager
6. Printer/copier toner cartridges / ink jets	a) To separate recycling bin supplied and collected by Licenced Waste Contractor	Location Manager
7. Septage	a) All septage is to be collected by Licenced Waste Contractor	Location Manager
8. 40 gallon oil drums	a) All empty scrap drums to be stored in a single designated area prior to removal off site by Licenced Waste Contractor	Location Manager

Note – Any Waste streams not mentioned above will be determined to be deemed hazardous or non-hazardous (Environmental Officer to be contacted) and dealt with appropriately thereafter.

5.0 PROHIBITION OF BURNING WASTE ON SITE

UNDER NO CIRCUMSTANCES WILL ANY WASTE BE BURNT FOR DISPOSAL PURPOSES

6.0 WASTE MANAGEMENT RECORDS

The Location Manager shall keep a record of all wastes generated on site and collected from Waste Disposal Recovery Contractors. This will be recorded in the Environmental Records File.

7.0 RELEVANT DOCUMENTS

- Legislation Register

8.0 RELEVANT AUTHORITIES

- Local Authority
- Environmental Protection Agency (Tel: 053 9160600)
- REPAK (Tel: 01 4670190)