

E.1 EMISSIONS TO SURFACE WATERS

No emissions to surface waters will occur within the waste licence facility. All recharge is to groundwater, See section 7 of the EIS for Details.

Consent of copyright owner required for any other use.





E.2 EMISSIONS TO SEWER (NOT FOR SANITARY WASTES)

No emissions to sewer will occur within the waste licence facility. See section 7 of the EIS for Details.







ATTACHMENT E3. NOISE EMISSIONS

Noise levels from the existing and previous waste permit operations are routinely monitored as part of the noise monitoring programme, as part of the existing Environmental Monitoring Programme. Results have shown that noise levels are below the EPA daytime guideline L(A)_{eq} (30 min) limit of 55 dB(A).

Based on the noise assessment completed as part of the EIS (section 10), Noise levels are predicted to be comfortable within the applicable target criterion of 55dB L_{AEQ} daytime. There is no significant vibration impact associated with the proposed activities.

Site activities will be effectively managed to ensure that all potential noise and vibration impacts are minimised to acceptable levels. There are no significant adverse or unacceptable noise or vibration impacts predicted at local sensitive receptors or on local livestock in the vicinity of the site as a result of the proposed waste license. See section 10 of the EIS for details.







ATTACHMENT E.4 ENVIRONMENTAL NUISANCES

EMISSIONS TO AIR

Within the development the following site activities may give rise to potential fugitive dust emissions:

- Crushing;
- Loading and unloading of vehicles;
- Internal movement of vehicles.

A dust suppression system will be used on the crushing plant. A sprinkler system is already in operation on the internal haul roads. All planning conditions for the site relating to dust generation will be complied with.

TRAFFIC CONTROL AND TRANSPORT ROUTES

All traffic will enter and leave the quarry via the existing entrances from the L1601 and L5612, and proceed along the internal haul roads to the processing and loading area.

All vehicles using the site will be diverted through a wheelwash. The public road network will be cleaned, when necessary, of any dirt and debris as a result of aggregate spillage due to haulage to and from the existing site.

The following mitigation measures will be employed to ensure traffic associated with the development will not impact negatively on the environment.

- Continuation of the adequate on-site parking will be provided for employees and visitor's cars:
- Provision of on-site speed restrictions;
- Ensuring that all HGVs are not overloaded; and
- Checking public roads in the vicinity for signs of spillages.

In addition to the above, a road sweeper will be periodically contracted to sweep the road near the entrances on the L1601 and L5612 roadway leading to the R152 National Secondary road.

SITE ROADS AND HARDSTANDING

The internal roads are tarmaced/concreted from the site entrances to the weighbridge and security barriers. Haul roads are constructed of crushed stone/site won material with relatively minor quantities of construction and demolition waste, principally oversize or recovered (ie. crushed and screened) concrete and bricks.





ATTACHMENT F.1 TREATMENT, ABATEMENT AND CONTROL SYSTEMS

Sections E.1 - E.6 (and their associated Attachments) of this Waste Licence Application discuss the potential 'Emissions' associated with the proposed facility.

Details of the proposed treatment, abatement and control systems at the proposed waste recovery facility at Mullaghcrone Quarry are provided in the following sections of the Environmental Impact Statement:

- Water Section 7
- Air and Climate Section 8&9
- Noise and vibration Section 10
- Traffic Section 13
- Visual Section 14







F.2 GROUNDWATER PROTECTION

A number of groundwater mitigation measures are proposed to give effect to Articles 3,4,5,6, and 7 of Council Directive 80/68/EEC of 17 December 1979 on the protection of groundwater against the risk of pollution by certain dangerous substances, and Article 6 of Directive 2006/118/EC on the protection of groundwater against pollution and deterioration.

The proposed license is for a soil and stones recovery and inert C&D recycling facility and as such will not accept material which contains Annex I or Annex II substances. Mitigation measures are detailed in section 7 of the EIS with proposed waste acceptance and handling procedures detailed in section 2 of the EIS and within Attachment H and J of the application form.

Groundwater monitoring will be undertaken at the proposed waste license facility on a bi-annual basis as outlined in Section 7 of the EIS.

Consent of convirient owner required for any other use.





F.3-F. 7. MONITORING AND SAMPLING POINTS

F.3 AIR (DUST) MONITORING/SAMPLING

Dust monitoring will be undertaken on a quarterly basis at 4 locations, namely D1, D2, D3 and D4. Dust monitoring locations are shown on Figure 6222-2618 attached.

Emission Point Reference No(s).: D1, D2, D3, D4.

TABLE F.3

Parameter- Dust (Air)	Monitoring frequency	Eastings	Northings	Accessibility				
D1	Quarterly	Quarterly 306120		Easily accessible				
D2	Quarterly	306000	272905	Easily accessible				
D3	Quarterly	305163	272185	Easily accessible				
D4	Quarterly	305390	272820	Easily accessible				
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F.4 SURFACE WATER MONITORING/SAMPLING

Not Applicable

It is not proposed to discharge to surface water.

Emission Point Reference No(s). : SURFACE WATER - NOT APPLICABLE

F.5 SEWER MONITORING/SAMPLING

Not Applicable

It is not proposed to discharge to sewer.

- NOT APPLICABLE IN Other use.

- NOT APPLICABLE OF OTHER USE.

Consent of congright owner required for its of congright owner required fo Emission Point Reference No(s). : SEWER





F.6 GROUNDWATER MONITORING/SAMPLING

Groundwater monitoring will be undertaken on a bi-annual basis at 3 locations, namely GW1, GW2, GW3. Groundwater monitoring locations are shown on Figure 6222-2618.

Emission Point Reference No(s). : GW1, GW2, GW3

TABLE F.6

Parameter- Groundwater	Monitoring frequency	Eastings	Northings	Accessibility			
GW1 - PW 1	Bi-annually	305999	271548	Requires prior consent from ICL			
GW2 - BH18	Bi-annually	306059	273216	Easily accessible			
GW3	Bi-annually	305540	272570	Requires prior arrangement with quarry manager for H&S reasons			
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Comment [S1]: We will need consent from ICL to include this in the EIS.



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F.7 NOISE MONITORING/SAMPLING

Noise monitoring will be undertaken on a quarterly basis at 4 locations, namely N1, N2, N3 and N4. Noise monitoring locations are shown on Figure 6222-2619.

Emission Point Reference No(s). : N1, N2, N3, N4

Parameter	Monitoring frequency	Eastings	Northings	Accessibility of Sampling Points
N1	Quarterly	306190	272460	Easily Accessible
N2	Quarterly	306050	272880	Easily Accessible
N3	Quarterly	305120	272150	Easily Accessible
N4	Quarterly	305325	272780	Easily Accessible







