

ATTACHMENT I
MANAGEMENT PLANS

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I.1 Conditioning Plan

Best available technology is currently being applied to the development of all aspects of this facility.

Plans for development include the development of a civic amenity site in the area close to the main entrance, adjacent to the weighbridge, but separated from the main facility by electric gate/barrier. The development of this civic amenity area will depend on demand and economic viability. It is expected that this will be dictated by County Council policy with regard to their own bring banks and civic amenity areas, as well as how the Council might intend to deal with their obligations under the WEEE regulations. Much will depend on the ability of the proposer to charge for the services rendered and the customers' willingness to pay for the service. The situation will be closely monitored and the Agency informed and consulted prior to any activities taking place.

The situation will be monitored and as waste streams such as C & D waste increase a trommell may be installed to grade this waste stream and render it suitable for reuse and recycling. See flowchart I.1.a attached. The introduction of such a trommell for the grading and reuse of C & D waste will depend entirely on the volume available. Currently the amounts of C & D waste being handled at the facility are minimal and the introduction of such a process at this stage would not be justifiable. However, it is expected that the volume of this waste stream will increase with C & D waste regulations being fully enforced. The volume of such waste being brought to the facility will also depend on the reaction of building contractors to the regulations, and how they decide to comply with the regulations. Individual contractors may become self-compliant rather than use third parties. The situation will be closely monitored and the Agency informed and consulted prior to any activities taking place.

The situation with regards to glass waste will be monitored and the markets reviewed constantly. In the event of sourcing markets becoming a problem for this waste stream a glass grinder will be installed in order to process this waste stream and make it suitable for reuse. The recycling market may in the future also require the glass to be presented in such a manner. See flowchart I.1.b.

The situation will also be monitored with regard to the level of wood waste stream being accepted at the facility. In the event of this waste stream increasing significantly, to the point where storage becomes an issue, a shredder will be installed to reduce the bulk and to prepare for composting.

A conveyor belt and baler are already in situ within the facility. In the event of the applicant being in a position to source sufficient kerbside recyclables consideration will be given to converting the present plant into a picking line for the segregation of these dry recyclables in order to add value. However, the quantities currently being handled at the facility do not justify a picking line being introduced at this stage.

All of these issues will be monitored closely and the timescale will be dictated by market forces and quantities arriving on site. The Agency will be informed of the introduction of any the above activities prior to commencement. It is not possible at this time to put a detailed timetable in place.

I.2 Environmental Management System

To date the facility has only been used for the transfer of MSW and the kerbside dry recyclables. Within the recent past a collection of packaging waste, i.e., cardboard, from commercial customers has been introduced. The transfer of the MSW has been closely supervised and monitored. The water, as will any leachate, arising from the surface area of the waste in / waste out area passes through a three chamber settlement tank, which will be regularly checked, emptied and taken for treatment as required.

The following provisions have been advised by Niall Nally, Environmental Consultant, Enviroco Ltd, as part on going monitoring at the site.

Dust: Proposed Dust deposition monitoring will be based on Bergerhoff method of Measurement of Dustfall using the Bergerhoff Instrument (Study Method), VDI 2119.

The following tables outlines the proposed dust monitoring programme for Joe McLoughlin Waste Disposal. Monitoring points are shown on the attached Map J.1

Proposed Dust Monitoring Programme

Ref	Monitoring Location	Parameter	Proposed Frequency	Sampling Equipment/Analysis
D1	At site entrance	Mg/m ² /hr	Bi-annually	Dust deposition by Bergerhoff method
D2	At site boundary	Mg/m ² /hr	Bi-annually	Dust deposition by Bergerhoff method
D3	At site boundary	Mg/m ² /hr	Bi-annually	Dust deposition by Bergerhoff method
D4	At site boundary	Mg/m ² /hr	Bi-annually	Dust deposition by Bergerhoff method

Noise: Proposed noise emissions monitoring will be based on the International Standard ISO 1996/1 'Acoustics – Description & measurement of environmental noise', using appropriate instrumentation.

The following table outlines Joe McLoughlin Waste Disposal's proposed noise monitoring programme. Monitoring points are shown on the attached Figure J1.1

Proposed Noise Monitoring Programme

Ref	Monitoring Location	Parameter	Proposed Frequency	Sampling Equipment/Analysis
N1	Site entrance	LA _{eq} (dB)*	Annually	ISO 1996/1 (as above)
N2	Northern border of site	LA _{eq} (dB)*	Annually	ISO 1996/1 (as above)
N3	Southern border of site	LA _{eq} (dB)*	Annually	ISO 1996/1 (as above)
N4	Eastern border of site	LA _{eq} (dB)*	Annually	ISO 1996/1 (as above)
N5	McLoughlin Dwelling, west of site	LA _{eq} (dB)*	Annually	ISO 1996/1 (as above)
N6	Mullvey Dwelling, north-northeast of site	LA _{eq} (dB)*	Annually	ISO 1996/1 (as above)

* = L5, L10, L50, L90, LA_{eq}, L_{max} and L_{min} to be measured.

Surface Water: The following table outlines the Joe McLoughlin Waste Disposal proposed surface water monitoring programme. Monitoring points are shown in the attached Figure J.1.1

Proposed Surface Water Monitoring Programme

Ref	Monitoring Location	Parameter	Proposed Frequency	Sampling Equipment/Analysis
SW1	Discharge downstream of surface water interceptor and flowing to open drain.	PH BOD COD Ammoniacal Nitrogen Chloride Suspended Solids Conductivity Minerals/oils Oils, fats & Greases Temperature	Quarterly	Standard methods Acceptable to the EPA
SW2	Discharge downstream of waste water Treatment plant and flowing to soak-away.	PH BOD COD Ammoniacal Nitrogen Chloride Suspended Solids Conductivity Minerals/oils Oils, fats & Greases Temperature	Bi-annually	Standard methods Acceptable to the EPA

The Joe McLoughlin Waste Disposal proposed monitoring programme, location points and grid references are summarised below.

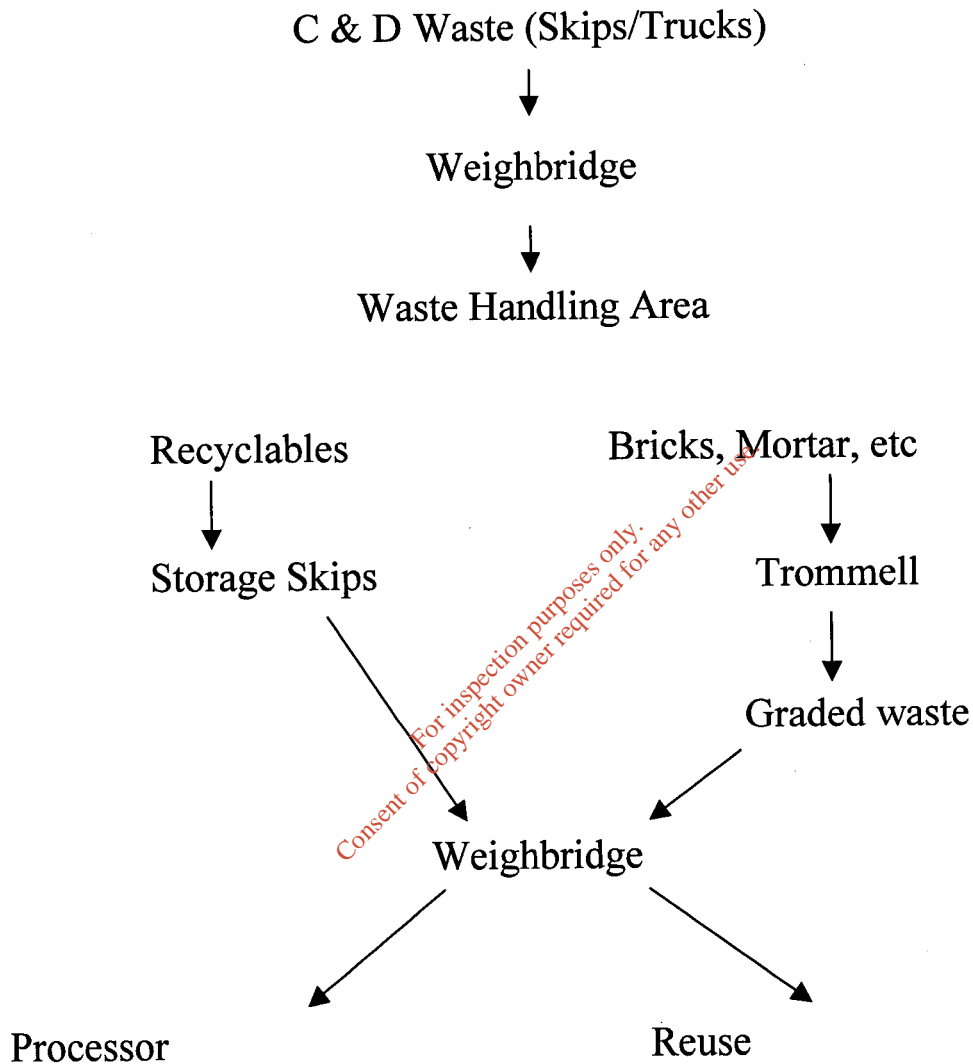
Monitoring Point	Description	Grid Reference
D1	Dust	E195930 N310312
D2	Dust	E196020 N310287
D3	Dust	E195990 N310240
D4	Dust	E196025 N310220
N1	Noise	E195930 N310317
N2	Noise	E196025 N310287
N3	Noise	E196002 N310240
N4	Noise	E196025 N310225
N5	Noise	E195905 N310317
N6	Noise	E196072 N310342
Sw1	Surface water (outflow from interceptor unit)	E195950 N310152
Sw2	Waste water (outflow from waste water treatment plant)	E196000 N310174

A4 copy of Map J.1.1 is attached to this section

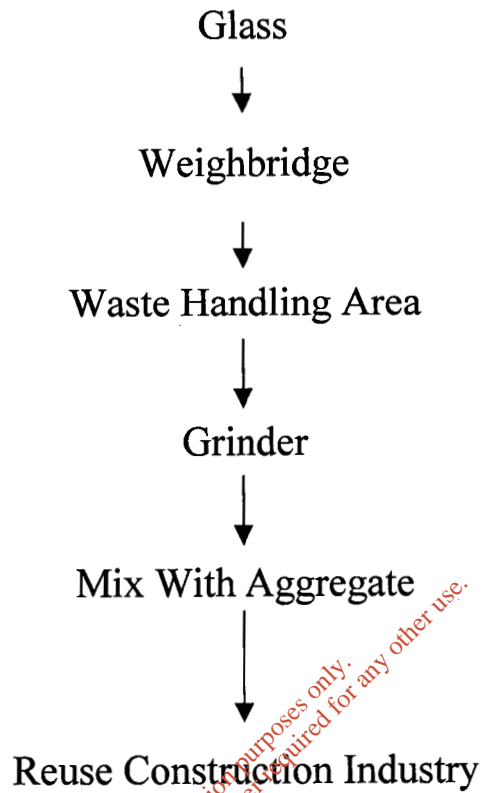
All of the other activities at the facility will be introduced on a phased basis and Environmental Management Plans will be put in place to suit the activities as they are introduced.

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I.1.a Possible use of C & D Waste

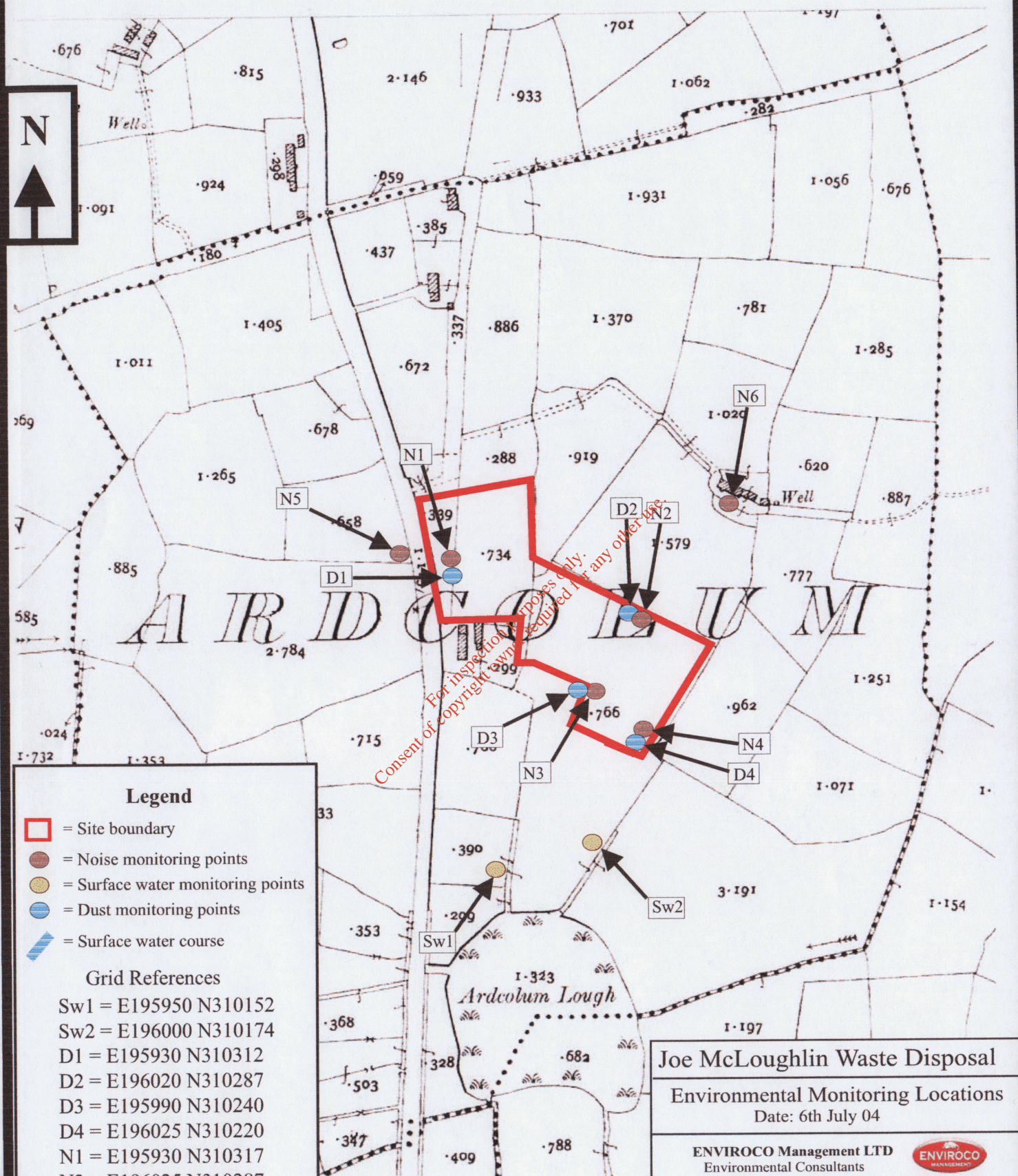


I.1.b Possible use of Waste Glass



Ratio of mix will depend on use. Pure ground glass may also be sent for reuse.

Map J.1.1 Environmental Monitoring locations at the Joe McLoughlin Waste Disposal Site



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Legend

- = Site boundary
- = Noise monitoring points
- = Surface water monitoring points
- = Dust monitoring points
- = Surface water course

Grid References

- Sw1 = E195950 N310152
- Sw2 = E196000 N310174
- D1 = E195930 N310312
- D2 = E196020 N310287
- D3 = E195990 N310240
- D4 = E196025 N310220
- N1 = E195930 N310317
- N2 = E196025 N310287
- N3 = E196002 N310240
- N4 = E196025 N310225
- N5 = E195905 N310317
- N6 = E196072 N310342

Joe McLoughlin Waste Disposal

Environmental Monitoring Locations
Date: 6th July 04

ENVIROCO Management LTD
Environmental Consultants

