

AMH

216-1
office

Dr Karen Creed
Inspector
Office of Licensing & Guidance
Environmental Protection Agency
Headquarters
P O Box 3000
Johnstown Castle Estate
County Wexford

Environmental
Protection Agency
29 JUN 2005

24th June 05

Re: 216-1: Joe McLoughlin Waste Disposal - Notice in accordance with Article 14(2)(b)(ii) of the Waste Management (Licensing) Regulations

Dear Dr Creed,

Please find enclosed additional information requested. Also enclosed is revised non-technical summary.

A separately bound copy of all maps has also been enclosed. We have indicated which maps are revised.

One original and three copies are enclosed, together with PDF copy on CD rom.

Yours sincerely,

pp Mick Quinlivan
Mick Quinlivan

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AMH Waste Management Advice Ltd, t/a AMH



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This page denotes that a CD entitled {Joe McLoughlin
Waste Disposal 216-1} was submitted as part of this
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Joe M...hlin
Waste Disposal
218-1-1

1. Revised Table B.6

TABLE B.6 THIRD AND FOURTH SCHEDULES OF THE WASTE MANAGEMENT ACT 1996

Waste Management Act, 1996			
THIRD SCHEDULE Waste Disposal Activities		FOURTH SCHEDULE Waste Recovery Activities	
1. Deposit on, in or under land (including landfill).		1. Solvent reclamation or regeneration.	
2. Land treatment, including biodegradation of liquid or sludge discards in soils.		2. Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes).	X
3. Deep injection of the soil, including injection of pumpable discards into wells, salt domes or naturally occurring repositories.		3. Recycling or reclamation of metals and metal compounds.	X
4. Surface impoundment, including placement of liquid or sludge discards into pits, ponds or lagoons.		4. Recycling or reclamation of other inorganic materials.	X
5. Specially engineered landfill, including placement into lined discrete cells which are capped and isolated from one another and the environment.		5. Regeneration of acids or bases.	
6. Biological treatment not referred to elsewhere in this Schedule which results in final compounds or mixtures which are disposed of by means of any activity referred to in paragraphs 1. to 10. of this Schedule.		6. Recovery of components used for pollution abatement.	
7. Physico-chemical treatment not referred to elsewhere in this Schedule (including evaporation, drying and calcination) which results in final compounds or mixtures which are disposed of by means of any activity referred to in paragraphs 1. to 10. of this Schedule (including evaporation, drying and calcination).		7. Recovery of components from catalysts.	
8. Incineration on land or at sea.		8. Oil re-refining or other re-uses of oil.	
9. Permanent storage, including emplacement of containers in a mine.		9. Use of any waste principally as a fuel or other means to generate energy.	
10. Release of waste into a water body (including a seabed insertion).		10. The treatment of any waste on land with a consequential benefit for an agricultural activity or ecological system.	
11. <u>Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule.</u>	PX	11. Use of waste obtained from any activity referred to in a preceding paragraph of this Schedule.	X
12. Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule.		12. Exchange of waste for submission to any activity referred to in a preceding paragraph of this Schedule.	
13. Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned is produced.	X	13. Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced.	X

2. Revised site plan

Revised site map D.1.(m) Plant, Sheds & Garages, illustrating the gas storage area, fuel tank/storage, power washer building, diesel generator and disused office buildings, attached.

Gas storage area, fuel tank/storage are outlined at 3 below.

Power washer building is located P on map. The diesel generator is located at O on map. Disused office building is located at R. It is proposed to use this building as on site accommodation for employees.

3. D.1.(g) (revised) – Fuel Storage Areas

It was originally not intended to have any fuel storage areas within the licensed area. However, due to the development of the site it was found necessary to install a heating oil tank to service the administration building. This is a bunded tank located close to the administration block as marked on map D.1.(g). The tank is a double skinned oil storage tank, with ultrasonic gauge and bund, manufactured by P.C. Rota Mouldings, 1,225 ltr capacity. The PC Tank bund contains 110% of the contents of the inner tank and is rotationally moulded from medium density U.V. Protected polyethylene. This tank complies with the bunding capacity requirements of the OFTEC OFST 100 standard.

It is proposed to install an identical tank at close to the power washing area as marked on map D.1.(g). This will be for the storage of green diesel for the refuelling of the power washer.

The gas storage area was originally in an area located outside of the licensed area. This location was changed in order to allow pedestrians free movement to the administration block. It is currently located within the licensing area as marked on map D.1.(g). It was felt that this was a safer and more secure area to store this gas. It is secured by steel security fencing, 1.7m high. These tanks consists of propane, oxygen, acetylene, and butane and used for welding and cutting steel.

4. Proposed versus Actual activities and plan

We refer to map A.1.(a) Plant, Methods, Processes & Operating Procedures – revised.

A = Weighbridge. **In place and in use.** All waste entering and leaving the facility pass over the weighbridge. There is an associated check-in office adjacent to the weighbridge, where this is administered. Welfare facilities are contained within this office.

B = Storage/Maintenance. **In place and in use.** This shed is being used for the storage of skips, which are in for repair, and for steel used in the manufacturing of skips, and the storage of other materials for use on site.

C = Waste Quarantine. **In place.** A waste quarantine area has been put in place. This area is between the Northern boundary and the Waste Handling Area. It measures 4.8m to the front and runs for 8.5m along the northern boundary and is 3.8m wide to the rear. This will be bunded to a height of 6inches all round. Drainage from

this area will be diverted to the three chamber settlement tank to ensure that any spillages can be contained.

D = Upper Shed/Waste Handling. **In place and in use**, for the reloading of MSW and dry recyclables collected at kerbside, as well as the segregation of waste obtained from skips.

E = Shredder. **In place**. This shredder is suitable for shredding C & D waste, timber and glass. However, its current use is confined to shredding timber on an occasional basis, as required to reduce the bulk of timber going for reuse or recycling.

F = Skips. **In place and in use**. This is a storage area for skips.

G = Conveyor Belt – **In place and in use**. Used for cardboard and paper which are picked from the dry recyclables collected at kerbside. Also used for the packaging waste collected from commercial premises.

H = Baler. **In place and in use**. Used in conjunction with G above. It is expected that the activities in this area will increase in line with the development of recycling activities.

i = Storage. **In place and in use**. Used for the storage of baled recyclables.

J = Bulker. **In place and in use**. Used for receiving MSW and kerbside recyclables from area marked D.

K = Storage. **In place and in use**. Used for the storage of baled cardboard and plastic.

L = Baler. **In place and in use**. Currently being used for the baling of mainly high grade cardboard and plastic collected from commercial customers.

M = Skip Manufacture. **In place and in use**. On original map this area was marked for the storage of dry recyclables. However, it is currently being used, and is intended to remain in use, for the manufacture and repair of skips, and storage of materials associated with this activity. This shed will also house welding equipment.

N = Wash Bay. **In place and in use**. This area is for the washing of trucks, bins, etc.

O = Generator. **In place**. a generator is in place at this location as it is close to ESB supply.

P = Power Washer Shed. **In place and in use**.

Q = ESB Supply. **In place and in use**. Main junction box for electricity supply.

R = Proposed On-site Accommodation. **In place, not in use**. This building was originally used as living accommodation prior to the development of the yard. It is currently vacant. However, it is intended to use it as onsite living accommodation for employees, as and when required.

S = Gas Storage Area. **In place and in use**. The gas storage area was originally located in an area outside of the licensed area. This location was changed (marked S on map) in order to allow pedestrians free movement to the administration block. It was felt that this was a safer and more secure area to store this gas. It is secured by steel security fencing, 6ft high. These tanks contain propane, oxygen, acetylene, and butane and are used for welding and cutting steel.

T = Bunded Heating Oil Tank. **In place and in use**. It was originally not intended to have any fuel storage areas within the licensed area. However, due to the development of the site it was found necessary to install a heating oil tank to service the administration building. This is a bunded tank located at T on map. The tank is a double skinned oil storage tank, with ultrasonic gauge and bund, manufactured by P.C. Rota Mouldings, 1,225 ltr capacity. The PC Tank bund contains 110% of the contents of the inner tank and is rotationally moulded from medium density U.V. Protected polyethylene. This tank complies with the bunding capacity requirements of the OFTEC OFST 100 standard.

U = Plant parking and Storage. **In place and in use.** Used for the parking and storage of machinery and trucks.

V = Proposed Glass Containers. **Proposed.** These are three skips for the storage of glass.

W = Scrap Metal Trailer. **In place and in use.** This is a 40ft trailer which in the norm is parked at this location. Scrap as recovered from skips at skip handling area is moved to this location. When the trailer is full it is transferred to another facility for recycling.

X = Proposed Trommell. **Proposed.** It is proposed to locate a trommell at this location, close to the shredder in order that both pieces of machinery can be used in conjunction.

Y = Bunded Diesel Tank. **Proposed.** This will be for the storage of green diesel for the refuelling of the power washer.

Z = Civic Amenity Area. **Proposed.** This area has been identified as being a suitable location for a civic amenity area. It is not intended to put this in place in the short term as outlined at D.1.p on original application.

5. Sewerage and surface water drainage.

See revised map D.1.(l) attached.

Water from the roofs of buildings A, B, D & E are drained directly to a piped stream, which runs underneath the facility. The water from roof C runs to a natural stream to the rear of the building. Both of these are natural streams which flow to Ardcolum Loch.

The surface water from the yard is all drained to separator tanks 1 & 2, and on to the piped stream flowing underneath the yard. Any spillage in the yard can be contained in these tanks.

The surface water from the interior of the waste handling area and the wash bay area will flow to a three chamber settlement tank and on to a separator tank 3, and then on to percolation area.

The foul sewer is marked blue on map and services all toilets and piped directly to treatment system. After treatment this is piped to percolation area.

6. Quarantine area.

A waste quarantine area has been put in place, and is located in the area marked (C) on Map A(1)(a). This area is between the Northern boundary and the Waste Handling Area. It measures 4.8m to the front and runs for 8.5m along the northern boundary and is 3.8m wide to the rear. This will be bunded to a height of 6 inches all round in order to contain any spillages.

7. Disposal Arrangements.

MSW is reloaded and once a load is complete is transferred as soon as is practical. The following facilities are currently used by the applicant:

- Corranure Landfill, Co Cavan 77/2
- Poolboy Landfill, Ballinasloe, Co Galway 27/2
- Ballagherdereen Landfill, Co Roscommon 59/2

Recyclable materials are currently transferred to the following facilities.

- Mulleady's, Co Longford 169/1
- Waste Disposal Sligo, Co Sligo 58/1
- Smurfit, Co Dublin 021/2
- Emerald Salvage & Recycling, Co Sligo
- A1 Metal Recycling, Co Laois WMP/007

Chipped Timber is sent to Corranure Landfill, 77/2 for road building.

Contents of three chamber settlement tank will be emptied as required and taken to Leitrim County Council's Waste Water Treatment Plant.

Other facilities may be used in the future as and when they come on stream.

8. Hours of Operation

- a) Proposed hours of operation. The facility will normally operate from 6am to 8pm, Monday to Saturday.
- b) Proposed hours of waste acceptance/handling. Waste will be accepted between the hours of 8am to 6pm, Monday to Saturday. Waste may be handled between the hours of 8am and 8pm in order to allow for loads to be ready for transportation early the following day.
- c) Proposed hours for the civic amenity. The civic amenity will not be up and running in the short term. Activity will not commence without prior consultation with the Agency. Opening hours will be sanctioned by the Agency prior to the commencement of any activity.
- d) All other relevant hours of operation. As outlined in E.3., of original application activities will only take place outside of the hours above in case of an emergency situation.

9. Maximum tonnage of waste accepted at facility.

In original application E.2 a breakdown of expected tonnage is given up to 2008. We have outlined that these figures are somewhat speculative. At no stage during the licensing period will this facility accept more than 25,000 tonnes per annum.

10. E.W.C. codes for waste handled on site

- 03 01 wastes from wood processing and the production of panels and furniture
03 01 01 waste bark and cork
03 01 05 sawdust, shavings, cuttings, wood, particle board and veneer other than those mentioned in
03 01 04
03 01 99 wastes not otherwise specified
- 04 02 wastes from the textile industry
04 02 09 wastes from composite materials (impregnated textile, elastomer, plastomer)
04 02 10 organic matter from natural products (for example grease, wax)
04 02 15 wastes from finishing other than those mentioned in 04 02 14
04 02 21 wastes from unprocessed textile fibres
04 02 22 wastes from processed textile fibres
04 02 99 wastes not otherwise specified
- 15 01 packaging (including separately collected municipal packaging waste)
15 01 01 paper and cardboard packaging
15 01 02 plastic packaging
15 01 03 wooden packaging
15 01 04 metallic packaging
15 01 05 composite packaging
15 01 06 mixed packaging
15 01 07 glass packaging
15 01 09 textile packaging
- 15 02 absorbents, filter materials, wiping cloths and protective clothing
15 02 03 absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02
- 16 01 end-of-life vehicles from different means of transport (including off-road machinery) and wastes from dismantling of end-of-life vehicles and vehicle maintenance (except 13, 14, 16 06 and 16 08)
16 01 03 end-of-life tyres
16 01 06 end-of-life vehicles, containing neither liquids nor other hazardous components
16 01 12 brake pads other than those mentioned in 16 01 11
16 01 15 antifreeze fluids other than those mentioned in 16 01 14
16 01 16 tanks for liquefied gas
16 01 17 ferrous metal
16 01 18 non-ferrous metal
16 01 19 plastic
16 01 20 glass
16 01 22 components not otherwise specified
16 01 99 wastes not otherwise specified

- 16 02 wastes from electrical and electronic equipment
16 02 14 discarded equipment other than those mentioned in 16 02 09 to 16 02 13
16 02 16 components removed from discarded equipment other than those mentioned in 16 02 15
- 16 03 off-specification batches and unused products
16 03 04 inorganic wastes other than those mentioned in 16 03 03
16 03 06 organic wastes other than those mentioned in 16 03 05
- 16 06 batteries and accumulators
16 06 04 alkaline batteries (except 16 06 03)
16 06 05 other batteries and accumulators
- 16 07 wastes from transport tank, storage tank and barrel cleaning (except 05 and 13)
16 07 99 wastes not otherwise specified
- 16 08 spent catalysts
16 08 01 spent catalysts containing gold, silver, rhenium, rhodium, palladium, iridium or platinum
(except 16 08 07)
16 08 03 spent catalysts containing transition metals or transition metal compounds not otherwise specified
16 08 04 spent fluid catalytic cracking catalysts (except 16 08 07)
- 17 01 concrete, bricks, tiles and ceramics
17 01 01 concrete
17 01 02 bricks
17 01 03 tiles and ceramics
17 01 07 mixture of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06
- 17 02 wood, glass and plastic
17 02 01 wood
17 02 02 glass
17 02 03 plastic
- 17 03 bituminous mixtures, coal tar and tarred products
17 03 02 bituminous mixtures containing other than those mentioned in 17 03 01
- 17 04 metals (including their alloys)
17 04 01 copper, bronze, brass
17 04 02 aluminium
17 04 03 lead
17 04 04 zinc
17 04 05 iron and steel
17 04 06 tin
17 04 07 mixed metals
17 04 11 cables other than those mentioned in 17 04 10

17 05 soil (including excavated soil from contaminated sites), stones and dredging spoil

17 05 04 soil and stones other than those mentioned in 17 05 03

17 05 06 dredging spoil other than those mentioned 17 05 05

17 05 08 track ballast other than those mentioned in 17 05 07

17 06 insulation materials and asbestos-containing construction materials

17 06 04 insulation materials other than those mentioned in 17 06 01 and 17 06 03

17 08 gypsum-based construction material

17 08 02 gypsum-based construction materials other than those mentioned in 17 08 01

17 09 other construction and demolition waste

17 09 04 mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09

02 and 17 09 03

20 01 separately collected fractions (except 15 01)

20 01 01 paper and cardboard

20 01 02 glass

20 01 08 biodegradable kitchen and canteen waste

20 01 10 clothes

20 01 11 textiles

20 01 25 edible oil and fat

20 01 28 paint, inks, adhesives and resins other than those mentioned in 20 01 27

20 01 30 detergents other than those mentioned in 20 01 29

20 01 32 medicines other than those mentioned in 20 01 31

20 01 34 batteries and accumulators other than those mentioned in 20 01 33

20 01 36 discarded electrical and electronic equipment other than those mentioned in

20 01 21, 20

01 23 and 20 01 35

20 01 38 wood other than that mentioned in 20 01 37

20 01 39 plastics

20 01 40 metals

20 01 41 wastes from chimney sweeping

20 01 99 other fractions not otherwise specified

20 02 garden and park wastes (including cemetery waste)

20 02 01 biodegradable waste

20 02 02 soil and stones

20 02 03 other non-biodegradable wastes

20 03 other municipal wastes

20 03 01 mixed municipal waste

20 03 02 waste from markets

20 03 03 street-cleaning residues

20 03 07 bulky waste

20 03 99 municipal wastes not otherwise specified

11. Waste generated on site

No hazardous waste is generated on site.
See form H.1.ii attached

12. Non-technical summary

Non-technical summary (revised) accompanying.

13. Monitoring point

As per 12(1)(m) of the non-technical summary (revised) accompanying, and Map J.1.1. attached thereto.

14. Energy

This facility uses four types of energy, electricity, diesel, gas, and home heating oil.

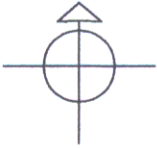
Electricity: Electricity is used for lighting and for the operation of balers and conveyor belt. Lighting is only used as required. Office equipment such as computers, printers, etc, are switched off at night and not left on standby. Only lighting required for safety and security purposes are left on at night. Balers and machinery operated by electricity are switched on as required, when in use.

Diesel: Diesel is used on onsite plant such as the grab or loader, the power washer, generator. These machines will only be running when in use, and will be serviced regularly to ensure that excessive fuel will not be used.

Gas: Gas is used for welding during the manufacture and repair of skips. The type of gas used includes propane, oxygen, acetylene, and butane.

Home heating oil: Home heating oil is used for the heating of the administration block. This heating is on a timer switch and thermostat, which are regulated to suit the prevailing climate.

N



Map D.1(g) Fuel Storage

Scale 1:1000

Home Heating Oil
Gas Storage Area

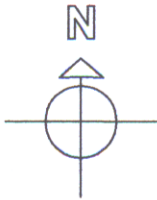
County Road R280

For inspection purposes an
Consent to permit is required for any other use.

Green Diesel Tank

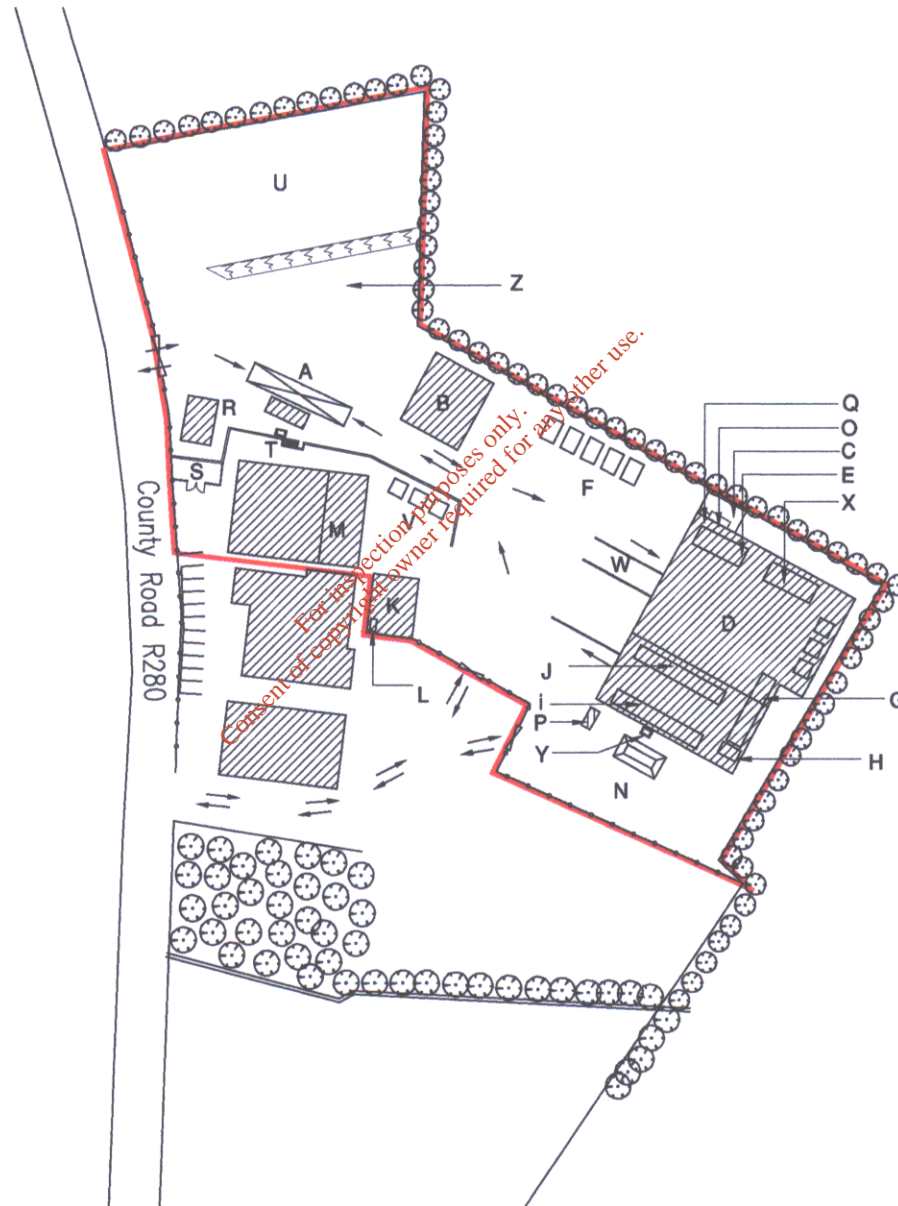
Joe Mc Laughlin Waste Disposal
Map D.1(g) January 2005
AMH, Mountain Top, Letterkenny

Map A.1(a) Plant, Methods, Processes & Operating Procedures

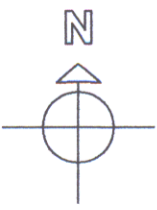


Legend:

- A= Weighbridge
- B= Storage / Maintenance
- C= Waste Quarantine
- D= Waste Handling
- E= Shredder
- F= Skips
- G= Conveyor Belt
- H= Baler
- i= Storage
- J= Bulker
- K= Storage
- L= Baler
- M= Skip Manufacture
- N= Wash Bay
- O= Generator
- P= Power Washer Shed
- Q= ESB Supply
- R= Proposed On-site Accomodation
- S= Gas Storage Area
- T= Bunded Heating Oil Tank
- U= Plant parking and Storage
- V= Proposed Glass Containers
- W= Scrap Metal Trailer
- X= Proposed Trammell
- Y= Bunded Diesel Tank
- Z= Proposed Amenity Area

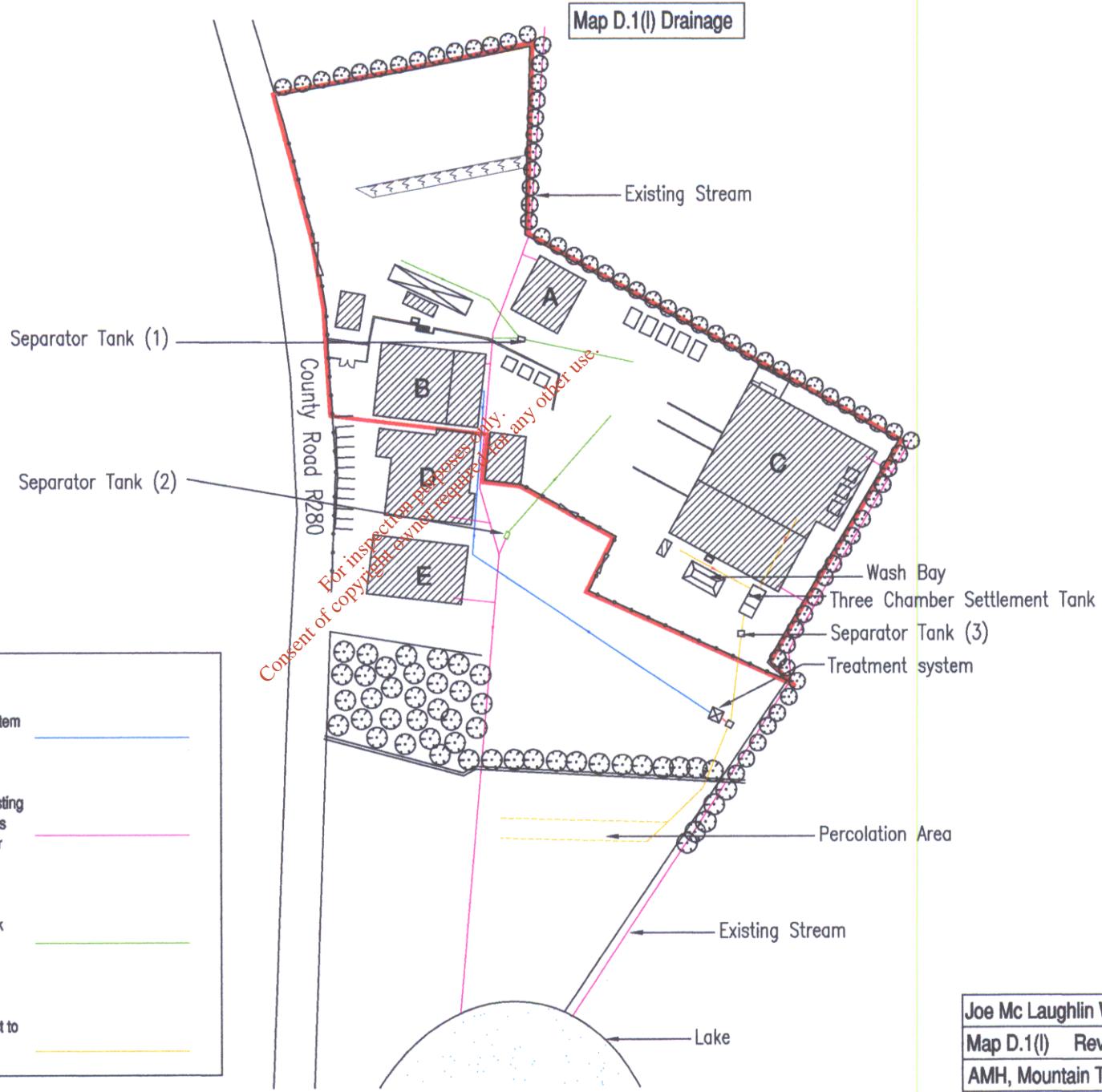


Joe Mc Laughlin Waste Disposal
 Map A.1(a) Revised May 2005
 AMH, Mountain Top, Letterkenny



Scale 1:1000

Map D.1(l) Drainage



Legend:

Foul Drain:
Waste water from toilets only, connects to treatment system which discharges to percolation area

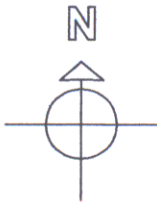
Stream:
Existing streams which are piped and discharge into existing lake. Rainwater from roofs connect directly to these pipes and Rainwater from concrete yard connect via Separator Tank

Surface Water:
Rainwater from concrete yard connect to Separator Tank which discharge to piped streams

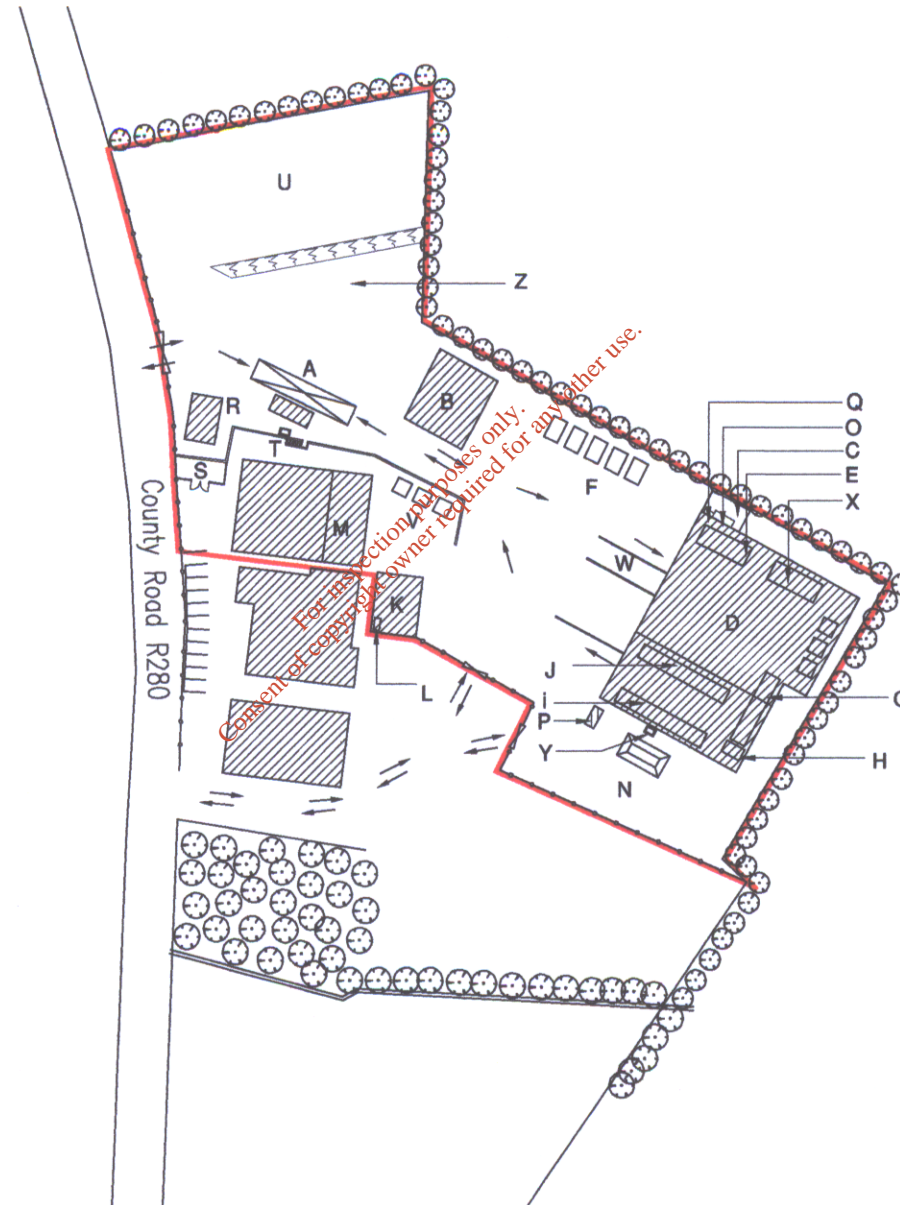
Waste Water:
Runoff from waste handling areas and wash bay connect to settlement tanks which discharges to percolation area

Joe Mc Laughlin Waste Disposal
Map D.1(l) Revised May 2005
AMH, Mountain Top, Letterkenny

Map A.1(a) Plant, Methods, Processes & Operating Procedures



- Legend:**
- A=Weighbridge
 - B= Storage / Maintenance
 - C= Waste Quarantine
 - D= Waste Handling
 - E= Shredder
 - F= Skips
 - G= Conveyor Belt
 - H= Baler
 - i= Storage
 - J= Bulker
 - K= Storage
 - L= Baler
 - M= Skip Manufacture
 - N= Wash Bay
 - O= Generator
 - P= Power Washer Shed
 - Q= ESB Supply
 - R= Proposed On-site Accomodation
 - S= Gas Storage Area
 - T= Bunded Heating Oil Tank
 - U= Plant parking and Storage
 - V= Proposed Glass Containers
 - W= Scrap Metal Trailer
 - X= Proposed Trammell
 - Y= Bunded Diesel Tank
 - Z= Proposed Amenity Area



Joe Mc Laughlin Waste Disposal
 Map A.1(a) Revised May 2005
 AMH, Mountain Top, Letterkenny

TABLE H.1(ii) WASTE - Other Waste Recovery/Disposal

Waste material	EWC Code	Main source ¹	Quantity		On-site recovery/disposal (Method & Location)
			Tonnes / month	m ³ / month	
MSW	20 03 01	CANTEEN	0.2		REMOVED FROM WHEELIE BIN LOCATED AT OFFICE TO MSW TRAILER
PAPER/CARDBOARD	20 01 01	OFFICE	0.01		REMOVED TO BALE FOR BAILING AND SENT FOR RECYCLING
PLASTIC PACKAGING	15 01 01				
	15 01 02				
PRINTER/FAX CARTRIDGES	18 03 18	OFFICE	0.01		RETURNED TO SUPPLIER
SEWERAGE	07 04 12			1.2	

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THREE CHAMBER SETTLEMENT TANK	06 05 03	WASHBAY AREA/WASTE HANDLING AREA		7.0	
SCRAP METAL	16 01 17	SCRAP METAL FROM SKIP MANUFACTURE, REPAIR, ETC	0.2		

- 1 A reference should be made to the main activity/ process for each waste
- 2 The method of disposal or recovery should be clearly described and referenced to Attachment H.1

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