Attachment B.4.1

Agreement Letter from Tullamore Waste Water Treatment Plan to Accept Waste from Derryclure Landfill

Consent of copyright owner required for any other use.



Comhairle Chontae Uíbh Fhailí Offaly County Council

MEMO

To:

Environment Section, Offaly Co. Council.

Subject:

Treatment of Leachate from Offaly Co. Council Site at

Derryclure.

Date:

22nd October, 2008

I confirm that leachate and foul sewage from Derryclure Landfill facility is currently treated at Tullamore Wastewater Treatment Plant and this arrangement will continue for the foreseeable future.

The upgrade of this wastewater treatment plant is currently at tender stage, JW JII dev all dever the state of the state and the design of the upgraded plant makes allowance for the treatment of leachate from the existing and proposed cell development at Derryclure Landfill.

Regards,

Tom Shanahan Senior Engineer

Water Services

Attachment B.6 Notices and Advertisements

Site Notice

Attachment B.6.1 contains a copy of the site notice. Drawing CE07-286-01-003 indicates the location of the site notice.

Newspaper Notice

- The original application includes the complete newspaper in which the advertisement was placed (Attachment B.6.1).
- The relevant page of the newspaper containing the advertisement is included with the 2 copies of the application in Attachment B.6.1.

Notice of Application to Planning Authority

A copy of the letter sent to An Bord Pleanála with the Planning Application is included in B.6.2.



Attachment B.6.1

Newspaper Advertisement and Site Notice

Consent of copyright owner required for any other use.

JAMES BOND 007: QUANTUM

DAILY 12.45 1.25 2.00 3.15 3.55

4.35 5.45 6.30 7.10 8.15 9.05 9.45

OF SOLACE (12A) 120m

DAILY 1.05 3.55 6.45 9.35

DAILY 2.35 5.00 7.20 9.45

EASY VIRTUE (12A) 110m

HUNGER (15A) 120m

DAILY 4.45 7.15 9.45

MUSICAL 3 (Gen) 125m

GHOST TOWN (12A) 115m

DAILY 2.30_4.55 7.20 9.45

BURN AFTER READING (15A) 105m

DAILY 12.50 3.00 5.15 7.30 9.45

DAILY 12.45 3.00 5.25 7.30 9.45

THE BOY IN THE STRIPED

PYJAMAS (12A) 105m

MAMMA MIA (PG) 120m

DAILY 1.40 4.45 7.20

SAW 5 (16) 105m

DAILY 9.45

DAILY 2.15

HIGH SCHOOL

DAILY 12.45 2.50 5.05 7.25 9.45

ALARM (15A) 115m

Free List Suspended

W (PG) 140m



LABOUR COURT NOTICE

Proposed abolition of the Catering Joint Labour Committee and the Catering Joint Labour Committee (County Borough of Dublin and the Borough of Dun Laoghaire)

AND

Proposed establishment of a single Joint Labour Committee for the catering sector.

INQUIRIES INTO THE **ABOVE MATTERS**

The Labour Court will hold an Inquiry on 12th December 2008 at 10.30 a.m. in the Offices of the Labour Court, Tom Johnson House, Haddington Road, Dublin 4 into an application made under Section 40 of the Industrial Relations Act, 1946 for the abolition of the Catering Joint Labour Committee and the Catering Joint Labour Committee (County Borough of Dublin and the Borough of Dun Laoghaire).

The Labour Court will also hold an Inquiry on the abovementioned date at 11.00 a.m. in the Offices of the Labour Court. Tom Johnson House, Haddington Road, Dublin 4 into an application made under Section 36 of the Industrial Relations Act, 1946 for the establishment of a single Joint Labour Committee for the catering sector.

Draft Orders have been prepared, as required by the Act, for the purpose of the Inquiries and copies of these may be obtained from the Offices of the Court.

Objections to the draft Orders may be submitted to the Court before the date of the Inquiries. Every such objection must be in writing and state the grounds of the objections and the omissions, additions or modifications sought.

Persons concerned and wishing to be heard at the Inquiry should give notice to the person named below before the date of the Inquiries.

Helena Mc Dermott The Labour Court Tom Johnson House. Haddington Road, Dublin 4

12th November 2008

PLANNING APPLICATIONS

OFFALY COUNTY COUNCIL — We, T&J Standish (Roscrea) Ltd., intend to apply for Planning Permission to construct new machine shed with all associated site works and planning permission to retain concrete slab, the site is located a short distance south of Leap Castle (a protected structure) at Leap Td., Roscrea, Co. Offaly. This development is the subject of an Integrated Co. Offaly. This deepment is the subject of an integrated Pollution provent integrated Control Licence. The planning application may be inspected or purchased at a fee not exceeding reasonable cost of making a copy, at the offices of the planning authority during its public opening hours. Submissions or Observations in relation to the application may be made in writing, to the Planning Authority on payment of the prescribed fee (£20), within a period of 5 weeks beginning on the date of receipt by the Authority of the application. **PUBLIC NOTICES**

PUBLIC NOTICES



Áras an Chontae, Charleville Road, Tullamore, Co Offaly. Tel: 057 9346800 Fax: 057 9329230 Web: www.offaly.ie E-mail: environmentdept@offalycoco.ie

APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR THE REVIEW OF A WASTE LICENCE

Notice is hereby given that Offaly County Council, having its principal offices at Aras an Chontae, Charleville Road, Tullamore, Co. Offaly, intends to apply to the Environmental Protection Agency for a review of waste licence, W029-02, for its landfill facility in the townlands of Derryclure and Killeigh, Tullamore, Co. Offaly. The National Grid reference for this facility is E235509 N220451. An environmental impact statement (EIS) will accompany this application.

The nature of the proposed development entails an increase in landfilling rates from 40,000 tonnes to 100,000 tonnes per annum of non-hazardous household, commercial and industrial waste. The operating and waste acceptance hours at the facility will be extended. The type of plant (excavators, compaction equipment and dumping trucks) to be used will remain unchanged.

The classes of activity to which this application relates (as set out in the Third and Fourth Schedules to the Waste Management Acts 1996 to 2008) are as follows:

Third Schedule - Waste Disposal Activities

Deposit on, in or under land (including landfill). Surface impoundment, including placement of liquid or sludge discards

into pits, ponds or lagoons.

Specially engineered landfill, including placement into lined discrete cells which are capped and isolated from one another and the environment. Physico-chemical treatment not referred to elsewhere in this Schedule which results in final compounds or mixtures which are disposed of by Class 5 Class 7 Class 11

which results in final compounds of mixtures which are disposed of by means of any activity referred to in paragraphs 1 to 5 or paragraphs 8 to 10 of this Schedule (including evaporation, drying and calcination). Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule. 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.

Fourth Schedule - Waste Recovery Activities

Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological processes). Recycling or reclamation of metals and metal compounds. Class 2 Recycling or reclamation of other inorganic materials.
Use of any waste principally as a fuel or other means to generate energy.
Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, Class 4 Class 9 Class 13

pending collection, on the premises where such waste is produced. The principal activity will be Class 5 of the Third Schedule.

Class 9 of the Fourth Schedule is being applied for to allow for the possible utilisation of landfill gas on-site to generate electricity.

A copy of the application for the review of this waste licence, the EIS and any further information relating to it as may be furnished to the Agency will, as soon as is practicable after its receipt, be available for inspection or purchase at the Environmental Protection Agency's headquarters at PO Box 3000, Johnstown Castle Estate, Co. Wexford and at the offices of Offaly County Council, Charleville Road, Tullamore, Co. Offaly during public opening hours. Copies of the application will also be available to view on Offaly County Council's website at HYPERLINK http://www.offaly.ie" www.offaly.ie.

Michael Roche Director of Services
Environment and Water Services

OFFEL Mie - your community online

PUBLIC NOTICES

PUBLIC NOTICES





Dublin City Council Comhairle Cathrach Bhaile Átha Cliath

NOTICE OF ANNUAL BUDGET

Notice is hereby given that the Annual Budget for Dublin City Council for the local financial year ending 31st day of December 2009 has been prepared and

will be considered by the City Council at the Statutory Annual Budget meeting to be held on the 24th day of November 2008 at 18.45hrs in the Council Chamber, City Hall, Dublin 2.

A copy of the said Annual Budget has been deposited in the office of the Head of Finance, Block 1, Floor 6, Civic Offices, Wood Quay, Dublin 8 and may be inspected free of charge by any member of the public at any time while the offices are open for the transaction of official business.

A copy of the Annual Budget will be supplied to every person making application therefor at the price of €5. The Annual Budget will also be available on the Dublin City Council website www.dublincity.ie from the 19th November 2008.

John Tierney, Dublin City Manager, Civic Offices, Wood Quay, Dublin 8.

12th November 2008

www.dublincity.ie

Progs From Monday 10th - Thursday 13th November

SAVOY.ie OMNIPLEX.ie **CINEMA** Laser/Credit Card Booking 0818 719 719

BOOKING: 0818 776 776 50c Booking Fee Per Ticket

JAMES BOND 007: QUANTUM **OF SOLACE** (12A) 120m

Free List Suspended

DAILY 2.15 3.30

4.45 6.00 7.15 8.35

W (PG) 140m

DAILY 2.25 5.25 8.15

ALARM (15A) 115m

DAILY 6.25 8.40

HIGH SCHOOL MUSICAL 3 (Gen) 125m

DAILY 1.45 4.10

BURN AFTER READING (15A) 105m

DAILY 2.00 4.10 6.25 8.45 THE BOY IN THE STRIPED

PYJAMAS (12A) 115m DAILY 4.30 6.45 8.50

MAMMA MIA (PG) 120m DAILY 2.00

SCREEN D'Olier Street BOOKING 0818 300 301 3 - 7.30pm

HUNGER (15A) 120m DAILY Prog. 2.10 Feat. 6.20 Prog. 8.25 A FILM WITH ME IN IT (15A) 105m DAILY Feat. 4.35

I'VE LOVED YOU SO LONG (15A) 135m DAILY 2.20 5.35 8.20 Subtitled EASY VIRTUE (12A) 110m DAILY 2.10 4.20 6.30 8.40

GOVT. NOTICES



S.I. No. 464 of 2008 European Communities (Recognition of **Driving Licences of** Other Member States)

Regulations 2008 The Minister for Transport, Mr. Noel Dempsey, T.D., has made the above Regulations.

These Regulations provide for the recognition of drivers with driving licences issued in other EU Member States driving in Ireland.

Copies of the above Regulations may be purchased from the **Government Publications** Sale Office, Sun Alliance House, Molesworth Street, Dublin 2 or by mail order from Government Publications, Unit 20 Lakeside Retail Park, Claremorris, Co. Mayo.

PRN. A8/1754 Price: €1.27

Department of Transport November 2008

LEGAL

I, James Browne, 115 Pine Valley Ave, Dublin 16 am applying for Renewal of Certificates of Personal Fitness and suitability of premises for 159 Drimnagh Rd, Dublin 12.

WWW.IMCCINEMAS.IB

Mon 10th - Thurs 13th Nov.

DUN LAOGHAIRE 24 HOUR BOOKING ONLINE or Tel: 01 230 139

JAMES BOND 007: QUANTUM OF SOLACE

1.05 1.40 2.20 2.55 3.35 4.10 4.50 5.25

6.05 6.40 7.20 7.55 8.30 9.10

W (PG) 140m 3.15 6.05 8.55

EASY VIRTUE (12A) 110m 2.25 4.45 7.05 9.25

HIGH SCHOOL MUSICAL 3 (Gen) 125m

1.45 2.30 4:25 7.00 SCAR 3D (18) 100m

9.35 HUNGER (15A) 120m

1.45 4.15 6.45 9.15 BURN AFTER READING (15A) 105m

2.45 5.00 7.15 9.30

THE BOY IN THE STRIPED **PYJAMAS** (12A) 105m

5.10 7.25 9.30 GHOST TOWN (12A) 115m

2.10 4.30 6.55 9.20

SAW 5 (16) 105m 9.30

TAKEN (15A) 105m 1.10 3.10 5.10 7.15 9.30

APPLICATIONS

LIMERICK COUNTY COUNCIL—Tetra Ireland Ltd. is applying for planning permission for the attachment of three aerials (3.9m) to an existing 27 metre lattice type support structure for the Emergency Service Users (Garda, Ambulance and Fire Brigade) together with associated equipment and fencing at the for a new National Digital Radio Service (NDRS) at Knockfierna Hill. Common, Ballingarry, Co. Limerick. The planning application may be inspected or purchased at a fee not exceeding the reasonable cost of making a copy, at the offices of the Planning Authority, during its public opinishing hours and that a submission hours and that a submission to the application in relation to the application in relation to the application for prescribed fee wiftin a period 5 weeks beginning on the date of receipt by the authority of the application.

SOUTH DUBLIN COUNTY COUNCIL — Telefonica O2 Ireland Ltd are applying for permission for retention of the existing 30-metre high telecommunications support structure carrying 9 No antennas and 7 No link dishes together with associated equipment container and security fencing at Cooldinagh Lane, Cooldinagh Tale, Cooldinagh Telegraphication and the Planning Authority during its public opening hours and a submission or observation in relation to the application may be made to the anti-ority during its public opening hours and a submission or observation in relation to the application may be made to the anti-ority in writing on payment of the exercised fee of £20 weeks beginning on the date of receipt by the authority of the application.

WEXFORD COUNTY COUNCIL - Planning permission is sought by Claire Louise Donelan and Paul Handrick, for a two storey, part one storey, split level dwelling (area = 299.41 sqM, height = 6.65/8.00 metres) with a detached single storey games room (area = 58.80 sqM, height = 4.70 metres), detached single storey double garage (area = 31.36 sqM, height = 5.10 metres), access drive from existing driveway, wastewater treatment plant, surface water sascatale of the storey double garage (area = 31.36 sqM, height = 5.10 metres), access drive from existing driveway, wastewater treatment plant, surface water sascatale of sorey, work of the storey double garage (area = 21.36 sqM, height = 5.10 metres), access drive from existing driveway, wastewater treatment plant, surface water sascatale of the work of county Hall, wexford during the hours 9:30am to 4:30pm Monday - Friday (Bank Holidays and Public Holidays excepted). A submission or observation in relation to the application may be made in writing to the Planning Authority on payment of a fee of £20 within 5 weeks beginning on the date of receipt by the Authority of the application.

APPLICATIONS

DUBLIN CITY COUNCIL
FURTHER INFORMATION.
Danninger have submitted further information in respect of planning application register reference 2012/08 at a portion of 8-10 Arran Quay Terrace and adjoining site on Smithfield Square, Smithfield, Dublin 7.
The site is bounded to the west by No. 1 Coke Lane, to the east by No. 1 Coke Lane, to the east by Smithfield, and to the North Dithe Luas Line on Arran Quay Terrace, Smithfield, Dublin 7.
Significant of the application in the application of the properties of the p

SOUTH DUBLIN COUNTY COUNCIL — I, Cory O'Connormake application for a) Retention of vehicle washing bay (Vehicle washing bay (Vehicle washing to be varied to the North West of site 543a plus b) Permission for advertising sign 3.315m2, 0.65m high, 8.25m above ground level, non illuminated to front (North) elevation (building height, ancillary office/staff facilities, fenestrations & services remain unchanged due to this application) all at unit 543A, site 543, Grants Cresent, Greenogue Industrial Estate, Rathcoole, Co Dublin. This planning application may be inspected or purchased at fee not exceeding the reasonable cost of making the writing on payment of the prescribed fee (\$20) within the period of 5 weeks beginning on the date of receipt of the application by South Dublin County Council.

DOGS

GREAT DANE Pups for sale. Contact 087 6777415/ 053 91 39717.

SITE NOTICE

APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR THE REVIEW OF A WASTE LICENCE

Notice is hereby given that Offaly County Council, having its principal offices at Aras an Chontae, Charleville Road, Tullamore, Co. Offaly, intends to apply to the Environmental Protection Agency for a review of waste licence W029-02 for its landfill facility in the townlands of Derryclure and Killeigh, Tullamore, Co. Offaly. The National Grid reference for this facility is E235509 N220451. An environmental impact statement (EIS) will accompany this application.

The nature of the proposed development entails an increase in landfilling rates from 40,000 tonnes to 100,000 tonnes per annum of non-hazardous household, commercial and industrial waste. The operating and waste acceptance hours at the facility will be extended. The type of plant (excavators, compaction equipment and dumping trucks) to be used will remain unchanged.

The classes of activity to which this application relates as set out in the Third and Fourth Schedules to the Waste Management Acts 1996 to 2008 are as follows:

Third Schedule - Waste Disposal Activities

Tillia Schea	die – Waste Disposal Activities				
Class 1	Deposit on, in or under land (including landfill)				
Class 4	Surface impoundment, including placement of liquid or sludge discards into pits, ponds of lagoons				
Class 5	Specially engineered landfill, including placement into lined discrete cells which are capped and isolated from one another and the environment				
Class 7	Physico-chemical 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 5 or paragraphs 8 to 10 of this Schedule (including				

Class 11 Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule

evaporation, drying and calcination)

Class 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

Fourth Schedule - Waste Recovery Activities

Class 2	Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological processes)
Class 3	Recycling or reclamation of metals and metal compounds
Class 4	Recycling or reclamation of other inorganic materials
Class 9	Use of any waste principally as a fuel or other means to generate
	energy
Class 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

The principal activity will be Class 5 of the Third Schedule.

Class 9 of the Fourth Schedule is being applied for to allow for the possible utilisation of landfill gas on-site to generate electricity.

A copy of the application for the review of this waste licence, the EIS and any further information relating to it as may be furnished to the Agency will, as soon as is practicable after its receipt, be available for inspection or purchase at the Environmental Protection Agency's headquarters at PQ Box 3000, Johnstown Castle Estate, Co. Wexford and at the offices of Offaly County Council, Charleville Road, Tullamore, Co. Offaly during public opening hours. Copies of the application will also be available to view on Offaly County Councils website at www.offaly.ie.

Date:	November 2008.
Signed:	A CORN
	o offsett e

Attachment B.6.2

Notification Letter to An Bord Pleanála

Consent of copyright owner required for any other use.

Compairle Chontae Uibly Fhaili

Tel: 057 9346800 • Fax: 057 9346868

email: secretar@offalycoco.ie

Website: www.offaly.ie

Offaly County Council

Áras an Chontae, Charleville Road, Tullamore, Co. Offaly.



An Bord Pleanála 64 Marlborough Street Dublin 1

24th October 2008

RE: Application to An Bord Pleanála for Approval for Strategic Infrastructure
Development - Intensification of Waste Intake at Derryclure Landfill

A Chara,

In accordance with Section 175 of the Planning and Development Acts 2000-2006, Offaly County Council hereby seeks the approval of An Bord Pleanála for their proposed development at Derryclure Landfill Site.

It is proposed to intensify waste intake at the landfill from the currently permitted 40,000 tonnes per annum to 100,000 tonnes per annum. It is also proposed to increase the permitted hours of operation at the facility. It should be noted that this development will not require the construction of any additional physical infrastructure above that permitted under Waste Licence W0029-Q2.

Please find enclosed:

- three copies of the Environmental Impact Statement which contains the plans and particulars for the development
- one original plus two copies of the newspaper notice under Section 175 (4) (a) of the Act
- the application fee in the form of a cheque for €100,000, made payable to An Bord Pleanála

Having considered the requirements of Article 121 of SI 685 of 2006, the Planning and Development Regulations, copies of the application and the EIS for the development have been sent to:

- Tullamore Town Council
- Longford County Council
- Westmeath County Council
- North Tipperary County Council
- Laois County Council
- Shannon Region Fisheries Board
- The National Roads Authority
- The Environmental Protection Agency
- The Health Service Executive



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These bodies have been advised that submissions or observations may be made to the Bord for a period of six weeks from Tuesday, 28th October 2008, concerning the following:

- The likely effects on the environment of the proposed development.
- The implications of the proposed development for proper planning and sustainable development in the area concerned.

A separate waste licence review application will also be submitted to the Environmental Protection Agency in due course.

If you have any queries, please contact the undersigned.

Yours faithfully,

Michael Roche,

Director of Services,

Environment and Water Services

Page 2 of 2

Attachment B.7 Type of Activity, Tonnages, Fees and Type of Landfill

Attachment B.7.1 – Type of Activity

In accordance with the Third and Fourth Schedules of the Waste Management Acts, 1996 to 2008, it is proposed to carry out the following classes of activity at the facility:

Waste Disposal Activities, in accordance with the Third Schedule of the Waste Management Acts 1996 to 2003

Deposit on, in or under land (including landfill):					
This activity is limited to the deposit of non-hazardous wastes in lined cells that are on, in and under land.					
Surface impoundment, including placement of liquid or sludge discards into pits, ponds or lagoons:					
This activity is limited to the storage of leachate in lagoons or tanks.					
Specially engineered landfill, including placement into lined					
discrete cells which are capped and isolated from one another and					
the environment:					
This postivity is limited to the placement of weeks into lined calls and the					
This activity is limited to the placement of waste into lined cells and the flaring/utilisation of landfill gas.					
Physico-chemical 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					
5 or paragraphs 8 to 10 of this Schedule (including evaporation,					
drying and calcination					
This satisfic is limited to the string in a strong to satisfy the					
This activity is limited to the stripping of methane from leachate stored at					
the facility, which may be deployed at the facility in the future. Blending or mixture prior to submission to any activity referred to					
in a preceding paragraph of this Schedule:					
in a processing paragraph of this constant.					
This activity is limited to the mixing of waste types to be used in the					
restoration of the facility.					
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:					
This activity is limited to the temporary storage on-site of unacceptable					
waste in the waste quarantine area prior to transport to another site.					

Waste Recovery Activities, in accordance with the Fourth Schedule of the Waste Management Act 1996

Class 2	Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes):					
	This activity is limited to the composting of biodegradable waste at the onsite civic amenity					
Class 3	Recycling or reclamation of metals and metal compounds:					
	This activity is limited to the collection and storage of metals at the civic amenity facility.					
Class 4	Recycling or reclamation of other inorganic materials:					
	This activity is limited to the collection of waste at the civic amenity facility and for the storage/use of inert waste for the restoration of the facility or in the construction of onsite infrastructure.					
Class 9	Use of any waste principally as a fuel or other means to generate energy:					
	This activity is limited to the potential collection of landfill gas, flaring and possible utilisation to generate electricity at the facility.					
Class 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: This activity is limited to the collection and storage of recyclable and reusable wastes at the facility prior to their use on-site or their removal					
	off-site for recycling/recovery.					

Class 5 of the Third Schedule will be the principal activity at the site.

ATTACHMENT C - MANAGEMENT OF THE FACILITY

Attachment C.1 Technical Competence and Site Management

The proposed management structure for the site is set out in Figure C.1. The list of facility personnel and respective responsibilities is set out below.

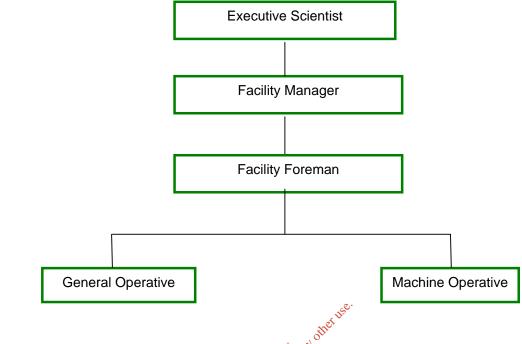
Approximately 5-9 personnel are employed for the operation of the facility. The staff are qualified/trained for the relevant position. As required extra/specialist personnel are drafted in temporarily for operations such as environmental monitoring, security etc.

Details of on-site personnel are presented in Table C.1 below. All named personnel are direct employees of Offaly County Council. All other personnel are employed by private contractors, and are not named as they are subject to change.

Table C.1: Site Staff Details

Name	Title	Responsibility	Full time /Part time	Plant Item (if applicable)
Brendan King	Facility Manager	Overall responsibility for management of the site & waste licence compliance	Full time	N/A
P J Cleary	Foreman	General operations	Full time	lorry/JCB/ tractor
Gerry Condron	General Operative	FORTINGO duties	Full time	lorry/JCB/ tractor
David Mc Cabe	General Operative	Weighbridge operator	Full time	N/A
Brendan Monaghan	Generator Operative	GO duties	Full time	lorry/JCB/ tractor
Eddie Kaye	General Operative	Part time weighbridge operator & GO duties	Full time	lorry/JCB/ tractor
AN Other	Driver	Machine operator	Full time	compactor
AN Other	Driver	Machine operator	Full time	excavator
AN Other	Driver	Machine operator	Part time	dump truck

Figure C.1 Facility Management Structure



Management Duties & Responsibilities

Facility Manager: Responsible for the overall management of the facility, including licence compliance, operations and maintenance of the facility, and personnel management. The facility manager reports to the Executive Scientist in the Environmental Section of Offaly County Council.

Foreman: Responsible for the Facility Manager's duties in the Facility Managers absence. The foreman is also responsible for general operations of the facility.

Weighbridge Operator. Responsible for weighing in and out vehicles and other office duties.

General Operative: Duties include waste inspection and maintaining the facility in a tidy state.

Machine Operative: Responsible for operating machinery on the landfill itself i.e. excavator or compactor etc.

Attachment C.2 Environmental Management System

An Environmental Management System (EMS) and Environmental Management Programme (EMP) have been developed for the facility under Condition 2.3 of the current waste licence (WL029-02). The EMP is updated annually with the facilities Annual Environmental report (AER) and submitted to the EPA for approval. The current EMP was submitted to the EPA on the 30th of April 2008.

Attachment C.3 Hours of Operation

It is proposed to extend the operating hours of the facility to:

Proposed Hours of Operation

Staff will be on site for set up/clean up, a half an hour prior to and after waste acceptance:

 Hours of operation of the landfill – 07:00 to 19:30 Monday to Friday inclusive and 8.00 to 18.00 on Saturdays.

Proposed hours of Waste Acceptance/Handling at the Landfill Facility

Hours of waste acceptance at the facility - 07:30 to 19.00 Monday to Friday inclusive, and 8.30 to 17.30 on Saturday

The facility will be closed on Sundays and Bank Holidays.

Proposed hours of Waste Acceptance/Handling at the Civic Amenity

 Hours of waste acceptance of the civic amenity 08:00 to 18:00 Monday to Friday inclusive and 08:30 to 17.30 on Saturdays.

Proposed hours of Construction and Development works at the Facility & Timeframes.

Construction: 07:30 to 19:00 Monday - Saturday

Attachment C.4 Conditioning Plan

Offaly County Council applied for a waste licence for Derryclure Landfill in 27/02/1998 and was granted a waste licence on 12/10/1999. Therefore, it was not necessary to prepare a Conditioning Plan in accordance with Article 14 of the Landfill Directive (1999/31/EC).

ATTACHMENT D - INFRASTRUCTURE & OPERATION

The review of the waste licence is for the intensification of waste acceptance at the facility. Therefore, infrastructure and operations at the facility will not alter from that which was outlined in previous waste licence applications and from what is operational under the current waste licence for the facility (WL029-02).

Figures included in the EIS and the Drawings in Attachment B of this waste licence application can also be referenced.

Attachment D.1 Infrastructure

D.1.a Site Security

Details of site security for the facility are outlined in Section 2.2 of the EIS.

D.1.b Access Roads

Details of the existing access roads are outlined in Sections 3.5 of the EIS.

D.1.c Hardstanding Areas

Details of the existing hardstanding areas are outlined in Sections 2.2 and Figure 2.1 of the EIS.

D.1.d Weighbridge

Details of the weighbridge are outlined in Sections 2.2 of the EIS.

D.1.e Wheel-wash

Details of the wheel wash factlifty are outlined in Section 2.2 of the EIS.

D.1.f Laboratory Facilities

There will be no laboratory facilities onsite. Environmental Monitoring and analysis will be undertaken by external accredited laboratories.

D.1.g Fuel Storage

There is no fuel (diesel) storage onsite. Fuel supplies are delivered directly to each vehicle at the site.

D.1.h Waste Quarantine Areas

Details of waste quarantine areas are outlined in Sections 2.2 and are detailed in Figure 2.1 of the EIS.

D.1.i. Waste Inspection areas

Details of waste quarantine areas are outlined in Sections 2.2 and are detailed in Figure 2.1 of the EIS.

D.1.j. Traffic Control

Details of the traffic management are outlined in Section 3.5 of the EIS. Automatic traffic barriers control access/egress to the weighbridge. Traffic travelling to and from the active cell will follow the internal access road.

D.1.k All Other Services

Details of all on-site services are outlined in Sections 2.2 and 3.1 of the EIS.

D.1.I Sewerage and Surface Water Drainage

Details of all sewerage, foul water and surface water drainage are outlined in Sections 5 of the EIS.

D.1.m Plant Sheds and Garages

Not Applicable.

D.1.n Site Accommodation

Details of site accommodation are outlined in Section 2.2 of the EIS.

D.1.o Fire Control System

The fire control system consists of three fire hydrants points. Each hydrant draws from the water supply mains which provide water to the facility.

D.1.p Civic Amenity Sites &

There are no proposed physical changes to the civic amenity area as part of this application.

D.1.q to D.1.s

Not Applicable.

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Attachment D.2 Facility Operation

D.2.a) Unit Operations

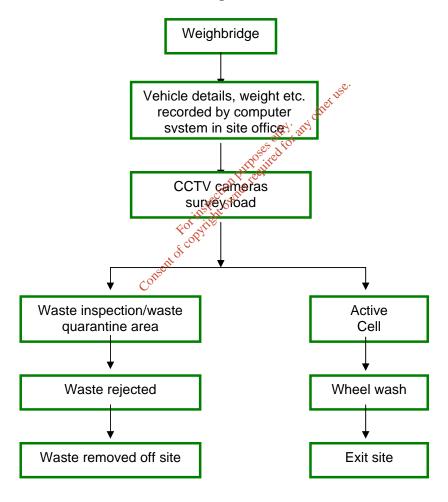
Figure 2.1 of the EIS indicates the existing layout for the facility. Section 2 of the EIS describes the operation of the facility. The main operations of the development are:

- Landfill operation
- · Civic amenity operation

D.2 b) Flow Diagram of the whole process

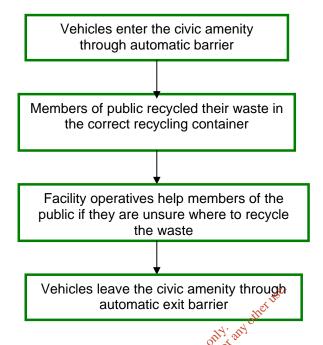
The landfill process of the development is outlined below. The process for waste acceptance and handling for landfilling activities is outlined in Figure D.1.

Figure D.1 Landfill Process Flow Diagram



The Civic Amenity process of the development is outlined below:

Figure D.1 Civic Amenity Process Flow Diagram



Details of any aspects of the facility that can cause emissions to the D.2.c) environment during normal operations and also in the event of a malfunction of interruption of services

Please refer to the relevant sections of the EIS for each of the environmental aspects Environmental Nuisanges – EIS Sections 3 outlined below:

- Environmental Monitoring EIS Section 2
- Noise EIS Section 3.4
- Air EIS Section 3.2
- Soils and groundwater (Geology & Hydrogeology) EIS Section 4
- Surface Water (Hydrology) EIS Section 5

For each of the above environmental aspects, there is a discussion of:

- Existing environment
- Potential impacts
- Mitigation measures
- Monitoring

D.2.d) Laboratory Facilities

Off-site laboratories facilities will be used if and when required.

D.2.e) Incineration facilities

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Not applicable.

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Attachment D.3 - D.6

The review of the waste licence is for the intensification of waste acceptance at the facility. Infrastructure and operations at the facility will not alter from that which was outlined in previous waste licence applications and from what is operational under the current waste licence for the facility (WL029-02).

Therefore, the design of the landfill liner system and operation of the leachate management system, landfill gas management system and capping system will not alter under this licence review.

Attachment D.3 **Liner System**

D3 (a) - D3 (g)

Refer to Section 2.2 of the EIS.

Following the construction of a lined cell, a construction quality assurance (CQA) report will be prepared and submitted to the EPA for approval. EPA approval is received prior to commencement of landfilling activities in the cell.

Attachment D3.1 contains CQA approvals from the EPA for Cells 1 (A & B) (21 July 2006) and the extension of the lined cell (16 October 2008).

Leachate Management Attachment D.4

D4.1 (a) - D4.1 (h) Leachate Management

Refer to Section 2.2 of EIS.

D4.2 Onsite Leachate Treatment Systems

Not Applicable

D4.3 Off-site Leachate Treatment Systems

Leachate is removed from the leachate holding tank at the facility by vacuum tanker and transported to Tullamore wastewater treatment plant (WWTP) for treatment. In 2007 approximately 22,000 m³ of leachate was tankered off-site.

Leachate will be removed by a licenced contractor. The leachate is being taken offsite by Denis Brazil Plant Hire Ltd., Gurteen, Killeigh, Tullamore currently. A copy of the waste collection permit for the undertaker is included in Attachment D.4.4.

A copy of the letter of agreement with Tullamore Wastewater treatment plant to accept leachate is included in Attachment B.4.1

Attachment D.5 **Landfill Gas Management**

D5 (a) - D5 (g)Refer to Section 2.2 and Section 3.2 of EIS.

Attachment D.6 **Capping System**

D.6. (a) - D.6.k) Refer to Section 2.2 of the EIS

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Attachment D.3.1

Copy of the CQA Approvals from the EPA (X2)

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fant Devine

Director of Environmental Services Aras an Chontae Charleville Road

Tullamore Co Offaly

Attn Mr David Hogan

21st July 2006



Office of Environmental Enforcement

Environmental Protection Agency Regional Inspectorate, John Moore Road Castlebar, County Mayo, Ireland An Ghníomhaireacht um Chaomhnú Comhshaoil Cigireacht Réigiúnach, Bóthar Sheán de Mórdha Caisleán an Bharraigh, Contae Mhaigh Eo, Éire

T: +353 94 9048400 F: +353 94 9048499 E: info@epa.ie

W: www.epa.ie Lo Call: 1890 33 55 99

Our Ref: WL29-2(06)GEN22JG.doc

Dear Sir/Madam

I refer to the CQA validation information which has been received by the Agency on 15/05/2006 in relation to the lining works for Cells 1(A & B) and the Leachate Lagoon at Derryclure Landfill Facility (Reg. No. 29-2) Tullamore, County Offaly.

On the basis of the information submitted, the Agency agrees to the deposition of waste in Cells No. 1 (A and B) as well as the use of the Leachate Lagoon. You are reminded of the need to comply with the conditions of your waste licence (Reg. No. 29-2).

If you have any queries please contact Mr John Gibbons at the Castlebar Regional Inspectorate.

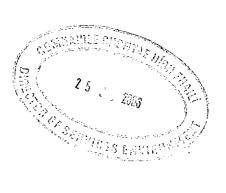
Please quote the above reference in future correspondence in relation to this matter.

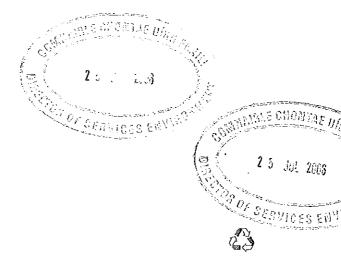
Yours sincerely

Mr John Gibbons

Inspector

Office of Environmental Enforcement







Director of Environmental Services
Offaly County Council
Aras an Chontae
Charleville Road
Tullamore
Co Offaly



Environmental Protection Agency Regional Inspectorate, John Moore Road Castlebar, County Mayo, Ireland

Cigireacht Réigiúnach, Bóthar Sheán de Mórdha Caisleán an Bharraigh, Contae Mhaigh Eo, Éire

1; ±353 94 904 8400 F: ±353 94 904 8499

E: info@epa.ie W: www.epa.ie

LoCall: 1890 33 55 99

16th October 2008

Our Ref: W0029-02 (08)AP002jg.doc

Dear Sir

I refer to correspondence, which was received by the Agency on 8th August 2008 relating to your request for CQA approval on completed works to extend the lined cell at your facility at Derryclure Landfill (WL29-2). Based on the information provided, the Agency agrees to the CQA report submitted.

You are also reminded of the need to comply with the conditions of the waste licence at all times. Should you have any questions in relation to the above please do not hesitate to contact John Gibbons at the above address.

Please quote the above reference in future correspondence in relation to this matter.

Yours sincerely

John Gibbons, Inspector

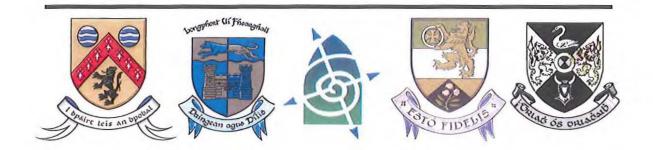
Office of Environmental Enforcement

To: D Haya STE Go: P. Devan STE UK 16/16/68

Attachment D.4.4

Copy of the Waste Collection permit for Leachate Undertaker

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Waste Management (Collection Permit) Regulations, 2001

WASTE COLLECTION PERMIT

Permit Register Reference Number WCP 115(2)/OY/393/06

Offaly County Council being a nominated authority under Section 34(1)(aa) of the Waste Management Acts 1996 to 2003, having carried out a review of waste collection permit 115/OY/56/02, hereby grants an amended waste collection permit to:

Denis Brazil herein after called the Permit Holder

Of:

Gurteen

Killeigh

Tullamore

This waste collection permit and attached conditions supersedes the previous waste collection permit referred to above.

Offaly County Council may at any time review, and subsequently amend the conditions of, or revoke this permit. Offaly County Council shall review this permit at least once in each period of two years (or as otherwise required by regulation) after the date on which the permit was granted or last reviewed, as the case may be.

The Permit Holder is authorised by this permit to collect specified waste type(s) using vehicle(s) specified in the following local authority areas:

Offaly

The permit holder may appeal the conditions attached to this permit, in accordance with Section 34(9)(a) of the Waste Management Act, 1996, to the Judge of the District Court, for the District Court district in which the principal office of the Council is situate, within one month of the date signed hereunder.

Signed:

A.O. Environment.

Date:

30 JUN 2006

115(2)/OY/393/06

REASON FOR THE DECISION

Offaly County Council is satisfied, on the basis of the information available, that subject to compliance with the conditions of this permit, the activity will not cause environmental pollution and the grant of this permit is in accordance with the objectives of the Waste Management Plan for the Midlands Region and the National Hazardous Waste Management Plan.

In reaching this decision, Offaly County Council has considered any information submitted as part of the review process from the Permit Holder and valid submissions received from the relevant local authorities.

INTERPRETATION

All terms in this permit should be interpreted in accordance with the definitions in the Waste Management Acts 1996 to 2005 (the Act), and its associated regulations.

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CONDITIONS

1 SCOPE OF PERMIT

- 1.1 The Permit Holder may collect the wastes specified in condition 1.2 in the local authority areas of Offaly.
- 1.2 The Permit Holder shall only collect such wastes as have been notified in writing to Offaly County Council and subsequently agreed, which are listed in Appendix A to this permit or such later revision of the said appendix as Offaly County Council may issue.
- 1.3 The Permit Holder shall notify Offaly County Council in writing of any proposed changes in the information furnished and shall obtain written approval from Offaly County Council prior to these changes occurring.
- 1.4 This permit and any condition imposed therein shall not relieve the Permit Holder of any statutory obligations under any other enactment whatsoever.

1.5 This permit is non-transferable.

1.5 This permit is non-transferable.

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2 MANAGEMENT OF THE WASTE COLLECTION ACTIVITY

- The Permit Holder shall ensure that where waste collected under this permit is 2.1 transferred to a facility for the purpose of a recovery or disposal activity in respect of which section 39(1) of the Act applies
 - there is in force a waste licence or a waste permit in relation to the carrying on of the activity concerned at that facility.
- 2.2 The Permit Holder shall only transfer waste to the facilities that have been notified in writing to Offaly County Council and subsequently agreed, which are listed in Appendix B to this permit or such later revision of the said appendix as Offaly County Council may issue.
- 2.3 If the Permit Holder proposes to transfer waste to facilities other than those which were previously agreed with Offaly County Council, the Permit Holder shall, a minimum of ten working days prior to use of these facilities, submit the following details in writing for the written agreement of Offaly County Council:
 - Origin of waste material. (i)
 - Description of waste including European Waste Catalogue (EWC) (ii)
 - Location, ownership details, and contact number of the facility. (iii)
 - Waste permit or license details of the facility. (iv)
 - Written confirmation from the operator of the facility that the said (v) waste will be accepted there.
- The Permit Holder shall carry or cause to be carried a copy of this permit at all 2.4 times on each vehicle which is used for the purposes of the activity to which the permit relates.
- 2.5 The Permit Holder shall carry or cause to be carried a copy of the latest revision of all appendices issued by Offaly County Council at all times on each vehicle which is used for the purposes of the activity to which the permit relates.
- 2.6 The Permit Holder shall take steps to ensure that all, or a specified proportion of waste collected by the Permit Holder, or of any class or classes of such waste, is segregated, treated or recovered, in such manner as may be specified by Offaly County Council.
- 2.7 Where any local authority has made bye-laws under section 35 of the Act the Permit Holder shall not collect waste in the functional area of the said local authority unless it has been presented in accordance with the requirements of the said bye-laws.

- 2.8 Where household or commercial waste has been segregated prior to collection in accordance with a bye-law referred to in condition 2.7 or by Regulation, or by any requirement of the Waste Management Plan for the Midlands Region, the Permit Holder, if collecting the recyclable fraction of the waste, shall ensure that this fraction is separately collected in its entirety, kept free of contamination, and transferred to a suitable recovery facility in accordance with the said Bye-law, Regulation or Plan. Similarly biodegradable waste if required to be segregated and separately collected shall be transferred to a suitable biodegradable waste treatment facility.
- 2.9 The Permit Holder shall identify all hazards associated with the waste being collected, and shall be familiar with best practice regarding its safe movement and handling and shall adopt all necessary, reasonable and practicable safety measures accordingly.
- 2.10 The Permit Holder shall have in place a documented Emergency Response Procedure (ERP), which shall address any emergency incident that may arise. This procedure shall include for an emergency response unit, replacement vehicles, clean-up equipment, etc in order to minimise the effects of the emergency on the environment. The Permit Holder shall maintain a copy of the ERP at the principal place of business of the Permit Holder.
- 2.11 The Permit Holder shall ensure that all operatives employed in the waste collection activity are familiar with the conditions of this permit and the ERP.
- 2.12 The Permit Holder shall clean up immediately any spillage of waste, which occurs in the course of the collection operation, in a manner, which will not cause environmental pollution. The Permit Holder shall carry an emergency spillage kit on each vehicle listed in appendix C, at all times, to deal with minor spillage's.
- 2.13 The Permit Holder shall not cause environmental pollution during the course of the waste collection activity to which this permit relates.

3 VEHICLES, SKIPS AND RECEPTACLES

3.1 The Permit Holder shall use only the vehicles listed in Appendix C to carry on the permitted activity.

The Council may modify Appendix C from time to time on the application of the Permit Holder. Where the Permit Holder proposes to acquire, lease or dispose of any vehicle it shall, at least 2 weeks before that acquisition, lease or disposal, apply to the Council to modify Appendix C. Application shall be made by registered post and shall include vehicle registration number, licensing certificate, lease if appropriate, and any other evidence relating to ownership or lease of the vehicle which the Council may require.

The Permit Holder may use leased vehicles to carry on the permitted activity provided any such vehicle is in the exclusive use and under the exclusive control of the Permit Holder, and subject to the inclusion of such vehicle in Appendix C.

Where it appears to the Council that the Permit Holder has acquired, leased or disposed of any vehicle, it may on its own initiative modify Appendix C. In such case it shall notify the Permit Holder of the modification, and the Permit Holder may apply to Council for a further modification if it disagrees with the modification made.

- 3.2 All vehicles used by the Permit Holder for the purposes of the activity to which this permit relates, shall be fit for purpose and maintained in accordance with the manufacturers' recommendations.
- 3.3 All vehicles used for purposes of the activity to which this permit relates shall be washed down as required in an appropriate manner and at an appropriate facility so as not to result in environmental pollution.
- 3.4 Each vehicle used for the purposes of the activity to which this permit relates and that is listed in Appendix C of this permit shall be marked with the following information in clearly legible indelible lettering at least 75 millimetres high:
 - (i) Name of the Permit Holder;
 - (ii) Telephone number of the Permit Holder.
- 3.5 Each skip, tanker, trailer or container used for the purposes of the activity to which this permit relates shall be marked on at least two sides with the following information in clearly legible indelible lettering at least 75 millimetres high:
 - (i) Name of the Permit Holder;
 - (ii) Telephone number of the Permit Holder;
 - (iii) A unique identification number for the skip, tanker, trailer or container.
- 3.6 The Permit Holder shall ensure that skips containing waste are appropriately covered during transit to prevent spillage and litter nuisance.

- 3.7 The Permit Holder when using a skip for the purposes of the activity to which this permit relates shall provide the hirer, with a written agreement detailing:
 - (i) that the hirer shall not allow the placement of hazardous waste in the skip
 - (ii) the types of wastes which may be placed in the skip as listed in appendix A to this permit.
- 3.8 If any skip, tanker, trailer or container used for the purposes of the activity to which this permit relates and which contains waste, is left in a public place (as defined in the Litter Pollution Acts 1997 and 2003), other than where it is initially filled, unless it is on or attached to a mechanically propelled vehicle, which is in transit to a facility as listed in Appendix B to this permit it shall be deemed an incident and condition 4.2 of this permit shall apply.
- 3.9 The Permit Holder shall ensure that each vehicle when carrying waste shall display a plate. The plate shall be a white coloured demountable plate with the letter W, the letter W (which signifies that Waste is being carried) shall be in clearly legible indelible lettering of least 75 millimetres high. The plate shall be displayed at all times when waste is being transported. It shall be kept clean and maintained in good condition. The plate shall be removed from display when the vehicle is not carrying waste.
- 3.10 All wheeled bins used for the collection of municipal waste shall comply with standard I.S. EN840 parts 1-6.
- 3.11 Wheeled bins for municipal waste (including separately collected fractions) shall be identified with the name, address and telephone number of the Permit Holder in clearly legible lettering and a unique customer reference number. The Permit Holder shall supply the name and address of a customer to whom a reference number applies on request. The Permit Holder shall submit written details of the identification system to Offaly County Council for approval on request.

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4 NOTIFICATION AND RECORD KEEPING

- 4.1 The Permit Holder shall notify Offaly County Council in relation to any conviction for an offence prescribed under Article 19 of the Waste Management (Collection Permit) Regulations, 2001 or any amendment to the Regulations, or any requirement of an order under sections 57 or 58 of the Act, within fourteen days of such a conviction or the imposition of such a requirement.
- 4.2 The Permit Holder shall notify the relevant local authority (i.e. the local authority in whose area the incident occurs) immediately after the occurrence of any incident connected with the activity to which this permit relates that caused or has the potential to cause environmental pollution or a threat to human health. The Permit Holder shall include as part of the notification the date, time, location and a full description of the incident. The Permit Holder shall also send a written record of the incident to Offaly County Council within 1 week of the incident. This written record of the incident shall include the following information:
 - (i) the date, time and location of the incident,
 - (ii) a full description of the incident,
 - (iii) details of any measures taken to prevent or reduce environmental pollution or harm to human health which was caused or may be caused by the incident, and
 - (iv) details of steps taken to avoid recurrence of similar incidents.
- 4.3 Permit Holders who are not based in the Republic of Ireland shall within 1 month of the date of grant of this permit submit details of a registered service address in the Republic of Ireland.
- 4.4 The Permit Holder shall notify Offaly County Council in advance of any proposal to increase the level of fees charged to householders for waste collection services provided.
- 4.5 The Permit Holder shall have a docket system for recording non- hazardous industrial/commercial and construction and demolition waste collection. One individually numbered docket shall be used per consignment of waste. Each docket shall at a minimum contain the following:
 - (i) the name and waste collection permit number of the Permit Holder,
 - (ii) date of waste collection,
 - (iii) Vehicle Registration Number of the vehicle,
 - (iv) signature and name of the waste producer and address of origin of the waste,
 - (v) the local authority area of origin of the waste,
 - (vi) Description of waste including European Waste Catalogue (EWC) code,

- (vii) the name, address and licence or permit number of the waste facility to which the consignment of will be delivered,
- (viii) quantity of waste delivered to the waste facility in units of tonnes or litres,
- (ix) signature of the vehicle driver, and
- (x) signature of a representative of the waste facility of destination.

Items (i) to (vii) must be completed before any of the waste is collected and items (viii) to (x) must be completed following transfer of any waste at the designated facility. The Permit Holder shall comply with the provisions of this condition unless otherwise agreed in writing by Offaly County Council.

- 4.6 The Permit Holder shall have a docket system for recording waste from a regular collection round of non- hazardous household and commercial waste producers. One individually numbered docket shall be used per vehicle per day. The docket shall be retained on the vehicle while the waste to which the docket relates is being transported on the vehicle. Each docket shall at a minimum contain the following:
 - (i) the name and waste collection permit number of the Permit Holder,
 - (ii) date of waste collection,
 - (iii) Vehicle Registration Number of the vehicle,
 - (iv) The area in which the waste originated,
 - (v) The local authority of origin of the waste,
 - (vi) Description of waste including European Waste Catalogue (EWC) code.
 - (vii) the name, address and licence or permit number of the waste facility or facilities to which the consignment will be delivered,
 - (viii) Quantity of waste delivered to the waste facility in units of tonnes or litres,
 - (ix) signature of the vehicle driver, and
 - (x) Signature of a representative of the waste facility of destination.

Items (i) to (vii) must be completed before any of the waste is collected and items (viii) to (x) must be completed following transfer of any waste at the designated facility. The Permit Holder shall comply with the provisions of this condition unless otherwise agreed in writing by Offaly County Council.

4.7 Offaly County Council may at any time serve a notice on the Permit Holder specifying the format and layout of dockets which the Permit Holder shall use in accordance with condition 4.5 and 4.6 of this permit. The Permit Holder shall comply with the provisions of any such notice.

- 4.8 The Permit Holder shall carry the dockets referred to in Conditions 4.5 and 4.6 on the vehicle on which the waste they refer to is carried until control of the waste is transferred to a facility specified in Appendix B of this permit. After that time, the Permit Holder shall retain the dockets referred to in Conditions 4.5 and 4.6 at the principal place of business of the Permit Holder for a period of three years and shall be made available for inspection by an authorised person, as required.
- 4.9 The Permit Holder shall, at the address of the principal place of business and, from the records prescribed in Condition 4.5 and 4.6 maintain up-to-date (or monthly) summaries of the following information in respect of waste collected by the Permit Holder in each calendar month:

For each of the following customer types i.e. household, industrial and commercial:

- (i) Local Authority area of Origin of Waste,
- (ii) Point of collection i.e. geographical area,
- (iii) Description of waste including European Waste Catalogue (EWC) code. indicating whether or not the waste is hazardous,
- (iv) Quantity of each waste type collected in tonnes or litres,
- (v) the name, address and licence or permit number of the waste facility or facilities to which waste was delivered by the Permit Holder,
- (vi) Country of destination (if abroad) and details of waste classification i.e. green, amber or red list,
- (vii) the nature of the activity carried on each waste facility to which waste was delivered by the Permit Holder (i.e. Disposal or recovery or transfer station).

With regard to household customers, the following additional information is required to be maintained:

- The total number of households provided with waste collection by the Permit Holder
- (ii) The number of households provided with kerbside dry recyclable waste collection by the Permit Holder
- (iii) The number of households provided with a biodegradable kerbside waste collection by the Permit Holder
- (iv) The number of households provided with 'pay-by-use' waste collection by the Permit Holder

- 4.10 The records maintained by the Permit Holder in accordance with condition 4.9 shall be kept at the address of the principal place of business for at least three years and shall be made available for inspection by an authorised person at the address of the principal place of business during normal office hours.
- The Permit Holder shall, not later than 28th February in each year furnish to 4.11 Offaly County Council an Annual Report (AR) in respect of waste collection activities carried out by the Permit Holder in the preceding calendar year. The AR shall be a summary of the records maintained under condition 4.4 and condition 4.5 of the permit. The AR shall contain the following information, in summary form, in respect of waste collected by the Permit Holder in the preceding calendar year:

For each of the following customer types i.e. household, industrial and commercial:

- (i) Local Authority area of Origin of Waste,
- (ii) Point of collection i.e. geographical area,
- (iii) EWC Codes, indicating whether or not the waste is hazardous,
- (iv) Waste Description,
- Quantity of each waste type collected (in tonnes and litres), (v)
- Destination of waste (ie. facility name and address), (vi)
- (vii) Waste licence or waste permit register number of facilities to which waste is delivered,
- Country of destination (if exported abroad for treatment) and details (viii) of, waste classification i.e. green, amber or red list,
- the nature of the activity carried on at the waste facility to which waste (ix) is delivered (ie. Disposal or recovery),

With regard to household customers, the following additional information is required to be maintained:

- (i) The total number of households from which the Permit Holder collected waste,
- (ii) The number of households provided with kerbside dry recyclable waste collection by the Permit Holder,
- (iii) The number of households provided with a biodegradable kerbside waste collection by the Permit Holder,

The information specified above shall be filled in on the Annual Report form available from Offaly County Council.

The completed form shall be submitted by the 28th February each year in respect of the preceding calendar year in a format to be advised annually by Offaly County Council.

- 4.12 A copy of all correspondence sent to and received from Offaly County Council regarding this waste collection permit shall be kept at the address of the principal place of business for at least three years following the date on which the correspondence is sent or received respectively and shall be made available for inspection by any authorised person.
- 4.13 The Permit Holder shall at his principal place of business for at least three years maintain a list of the name and address of each waste producer and waste facility from which the Permit Holder collects waste for inspection by an authorised person.
- 4.14 All communications from the Permit Holder to Offaly County Council shall be addressed in writing by the Permit Holder to the following address:

Offaly County Council, Environment Section, Waste Collection Permits, Aras an Chontae, Charleville Road, Tullamore, Co Offaly.

Co Offaly.

This condition does not apply in respect of the Annual Report as described in Condition 4.10.

5 CHARGES AND FINANCIAL PROVISIONS

- 5.1 The Permit Holder shall pay to Offaly County Council the cost of any investigations carried out or caused to be carried out by the local authority so as to enable it properly to decide on an application.
- 5.2 The Permit Holder shall pay to Offaly, County Council any costs incurred by the local authority for the purpose of ensuring compliance by the holder of a permit with the requirements of the said permit, including the cost of any inspections, audits or investigations carried out or caused to be carried out by the local authority, and the taking and analysis of any sample.
- 5.3 No waste collection activity shall be undertaken unless and until Offaly County Council has received from the Permit Holder evidence that he/she has effected and maintained an appropriate and adequate policy of insurance in respect of vehicles used for the purposes of, and liabilities arising from, the waste collection activity, including employer's liability and public liability as relevant. The minimum acceptable level of indemnity is €6,400,000 for Public Liability Insurance and €6,400,000 for third party property damage on Motor Insurance and €12,800,000 for Employers Liability.

CONDITIONS SPECIFIC TO WASTE TYPES

6.7 SLUDGES / SLURRIES AND SEPTIC TANK WASTE

- 6.7.1 For the purpose of this condition a landbank covers lands used for spreading or treating waste with a consequential benefit for an agricultural activity or ecological system.
- 6.7.2 The Permit Holder shall spread waste only on the landbanks notified to Offaly County Council and which were subsequently agreed and to no other landbanks whatsoever, subject to condition 2.2 and as listed in Appendix B.
- 6.7.3 The Permit Holder shall notify, a minimum of two weeks in advance, the relevant Local Authority in whose jurisdiction a disposal/ recovery activity is being carried out.
- 6.7.4 The Permit Holder shall ensure where wastes collected originate from an Integrated Pollution Prevention and Control (IRPC) licensed facility the waste shall be transported to appropriate facilities as governed under the IPPC licence.
- The Permit Holder shall ensure that the spreading of sludge on lands, 6.7.5 which are exempt from the requirement to hold a waste licence under section 39 of the Waste Management Act, 1996 by virtue of section 51(2)(a) of the Act, is carried out in accordance with a Nutrient Management Plan specific to those lands. The Nutrient Management Plan shall comply with the Waste Management (Use of Sewage Sludge in Agriculture) Regulations, 1998 (S.I. No.148 of 1998), the Waste Management (Use of Sewage Sludge in Agriculture)(Amendment) Regulations, 2001 (S.I. No. 267 of 2001), the EPA code of practice for the application of organic waste to land, and "Good Farm Practice", published by the Department of Agriculture, Food and Rural Development (2001), and "Nutrient and Trace Element Advice for Grassland, Tillage, Vegetable and Fruit Crops", published by Teagasc 2004, and any relevant Directive or Regulation issued by the Department of Agriculture and Foods.
- 6.7.6 The Permit Holder shall ensure that the spreading of sludge's on land are carried out in accordance with the (Good Agricultural Practice for protection of Waters) Regulations, 2005.
- 6.7.7 The Permit Holder shall be familiar with the requirement placed on holders of waste arising from any bye-laws made under Section 21 of the Local Government (Water Pollution) Act, 1990 by the local authorities in whose area a disposal / recovery activity is being carried out and shall keep a copy of all such bye-laws at the address of the principal place of business.

6.7.8 Where bye-laws referred to in condition 6.7.7 have been made by one or more of the local authorities within the Midlands Region the Permit Holder shall not spread waste on the lands unless it is in accordance with the requirements of the bye-laws in force in the local authority area concerned.

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Appendix A

Permitted waste types in accordance with Condition 1.2

EWC Code	Description
19 06 04	digestate from anaerobic treatment of municipal waste
19 09 02	sludges from water clarification
20 03 03	street-cleaning residues
20 03 04	septic tank sludge
19 07 03	landfill leachate other than those mentioned in 19 07 02

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Addition (1):

Date: 23/10/08

Appendix B

Permitted disposal or recovery sites to be used in accordance with Condition 2.2

Operator	Facility Address	Facility Ref. Number
Tullamore Sewerage	Tullamore, Co. Offaly	n/a
Treatment Plant		

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Appendix C

Permitted collection vehicles to be used in accordance with Condition 3.1

Vehicle Registration 97 OY 2783

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ATTACHMENT E EMISSIONS

Drawing CE07-286-01-006 overleaf indicates the location of the emission points for the proposed development.

Attachment E.1 Emissions to Atmosphere

Emissions to the atmosphere are outlined in Section 3.2 of the EIS.

Attachment E.2 Emissions to Surface Water

Emissions to Surface Water are outlined in Section 5 of the EIS.

Attachment E.3 Emissions to Sewer

The development is currently not connected to a sewer. Foul effluent is discharged to a holding tank onsite and then transported to Tullamore wastewater treatment plant for treatment. The foul effluent is being taken offsite by a permitted haulier. A copy of the waste collection permit for the undertaker is included in Attachment D.4.3. A copy of the letter of agreement with Tullamore wastewater treatment plant to accept foul waste water is included in Attachment B.4.

Attachment E.4 Emissions to Groundwater

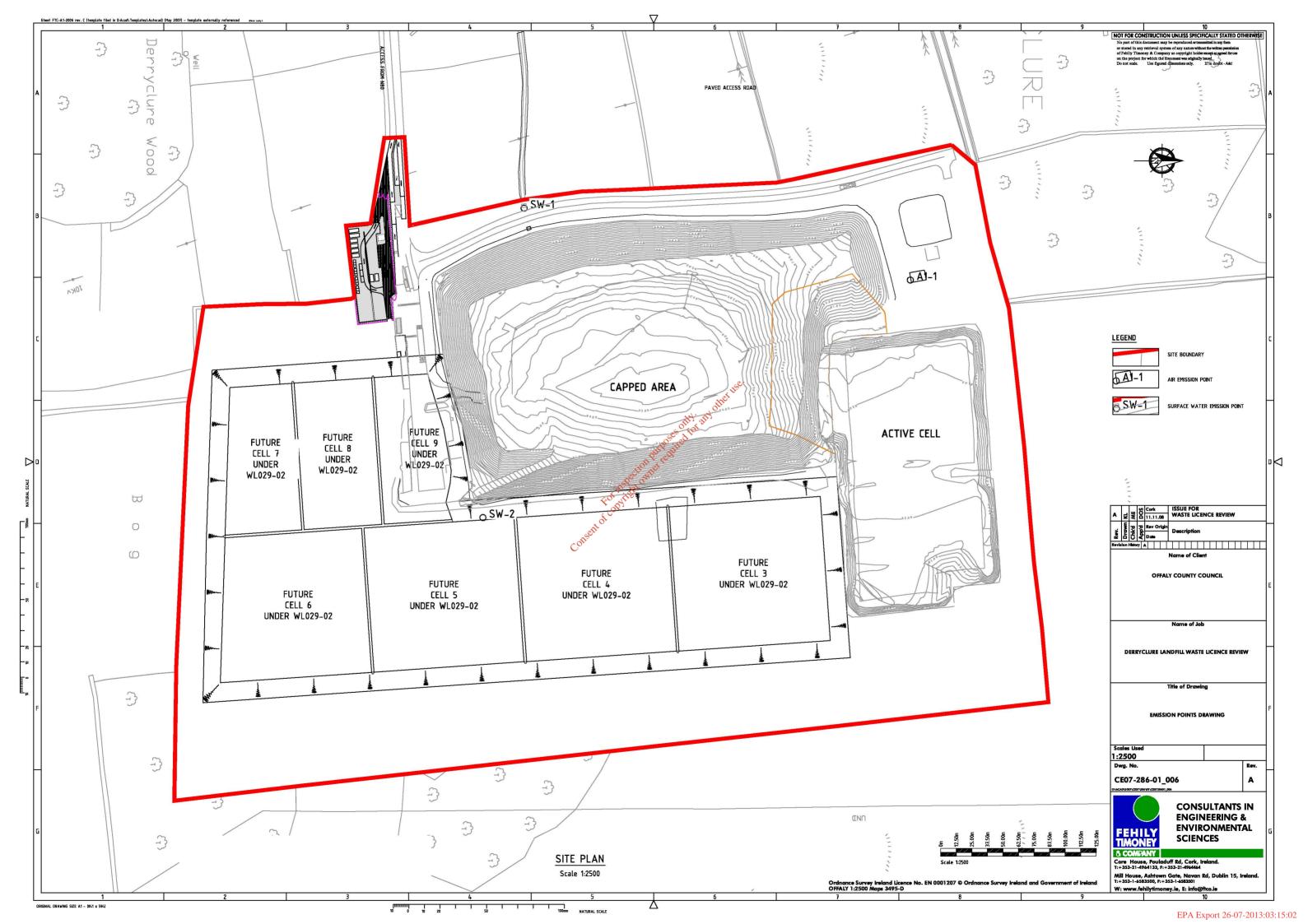
There will be no direct discharges to groundwater. Potential emissions to groundwater are outlined in Section 4 of the EIS.

Attachment E.5 Noise Emissions

Noise emissions from the proposed facility are discussed in Section 3.4 of the EIS.

Attachment E.6 Environmental Nuisance

Controls of environmental nuisances are discussed in Section 3.1 of the EIS. Traffic control is detailed in Section 3.5 of the EIS and Fire Control is outlined in Attachment J.2.



ATTACHMENT F CONTROL & MONITORING

Attachment F.1 Emissions and Abatement

To Atmosphere

The control of potential air emissions are outlined in Section 2.2 and Section 3.2 of the EIS.

To Surface Water/Sewers/Groundwater

Please refer to Sections 4 and 5 of the EIS.

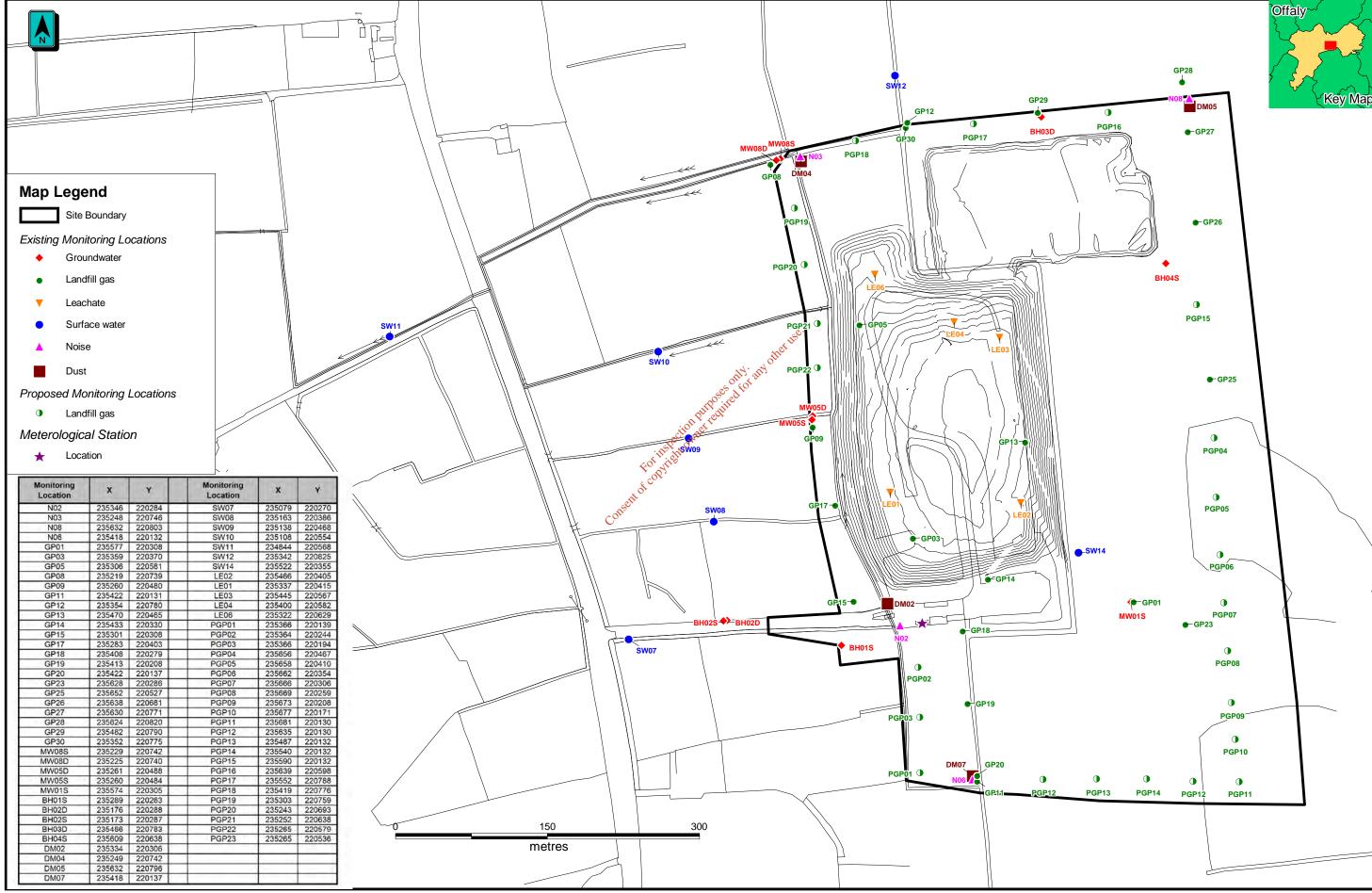
Attachment F.2 – F.9 Monitoring and Sampling Points

The environmental monitoring currently being undertaken at the facility includes air (dust & landfill gas), surface water, groundwater, leachate, noise and meteorological monitoring. Monitoring results for these environmental parameters are provided and discussed in the relevant sections of the EIS. The monitoring frequencies and parameters are in accordance with Schedule D of the current waste licence (WL029-02).

The existing environmental monitoring locations are illustrated in Figure 2.6 in the EIS. As the new phases of the landfill are developed, additional landfill gas monitoring wells will be installed and monitoring. These locations are illustrated in CE07-286-01-007 – Proposed Monitoring Location Map. It is proposed to continue the environmental monitoring at the facility in accordance with the frequency and parameters outlined in the current Waste Licence (WL029-02).

Environmental monitoring will be undertaken by either Offaly County Council staff or a competent person(s) contracted by the applicant. This person(s) will be responsible for ensuring that sampling is undertaken in compliance with EPA protocols. The results and interpretative reports will be prepared on a basis specified by the licence for the facility and submitted in a manner suitable for presentation to the EPA.

Emission monitoring results from the onsite landfill gas flare is included in Attachment F.9.1.



Fehily Timoney & Company

Proposed Environmental Monitoring Location Map

CE07-286-01-007

Attachment F.9.1

Emission Monitoring Results from Landfill Gas Flare

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Offaly Co Co – Derryclure Landfill

Derryclure Landfill, Derryclure, Tullamore, Co Offaly.

Emissions to Atmosphere Report No: 4620/M17

Waste Licence No: W0029-02

Report Date 10th October 2008

EURO environmental services

Unit 35, Boyne Business Park, Drogheda, Co. Louth Phone: +353 41 98 45440

Report for the Periodic Monitoring of Emissions to Air

Part 1:

Executive Summary

Waste Licence No:

W0029-02

Operator:

Derryclure Landfill

Installation:

Derryclure, Tullamore, Co. Offaly.

Contact Name:

Brendan King/Paul Devanney

Contact No.

057 9346895/086 8037561/057 9344186

Contract Technician:

Piotr Nadany/Ameer Awadalla

Monitoring Dates:

30th September 2008

Monitoring Organisation:

EURO environmental services

UKAS Registration number: 2

2802

Address:

35A Boyne Business Park

Drogheda

Co Louth

Date of Report:

ျှိOth October 2008

Report Written By:

Ewa Piatek

MCERTS Reg. No.

MM07 799

Competency Level:

Level 1

Technical Endorsement(s):

Function:

Field Services Supervisor

Signed:

Reviewed By:

Report No: 4620/M17

Page 2 of 9

- 1. Part 1 Executive Summary
- 1.1 Monitoring Objectives
- 1.2 Special Monitoring Requirements
- 1.3 Summary of Methods
- 1.4 Results
- 1.5 Operating Information
- 1.6 Monitoring Deviations
- Consent of copyright owner required for any other use. 2. Part 2 - Supporting Information

Appendix 1: General Information

Appendix 2: Monitoring information

1 Part 1: Executive Summary

1.1 Monitoring Objectives

The monitoring was carried out as requested by the management of Offaly Co Co – Derryclure Landfill- Bre ndan King, Site Manager. The substances monitored at the emission points are listed below.

Substances to be monitored	Inlet	Flare
Nitrogen Oxides as NO _x	· · · · · · · · · · · · · · · · · · ·	56.9 mg/Nm³
Oxides of Sulphur- SO ₂		155.0 mg/Nm ³
Carbon Monoxide - CO	· 	52.5 mg/Nm ³
Total Organic Compounds – TOC's	-	77.7cmg/Nm³
Chloride (HCI)	<lod< td=""><td>olific <lod< td=""></lod<></td></lod<>	olific <lod< td=""></lod<>
Total Sulphur	10.7 mg/Nm ³	217
Fluorides (as HF)	<lod con="" no<="" td=""><td><lod< td=""></lod<></td></lod>	<lod< td=""></lod<>

1.2 Special Monitoring Requirements

There were no special requirements for this monitoring campaign.

1.3 Summary of Methods

Substance	Standard Method	EURO SOP
Hydrogen Chloride	BS EN 1911 parts 1-3	EM 146
Hydrogen Fluoride	BS EN 15713:2006	EM129
VOC (high range)	BS EN 12619	EM 155
Carbon Monoxide	BS EN 15058	EM100
Nitrogen Oxides	BS EN 14792	EM 100
Oxides of Sulphur	BS 6069-4.4.	EM 100
Total Sulphur	BS 6069 part 4.1/4.4	EM 154

1.4 Monitoring Results

The table presents the atmospheric emissions from the tests undertaken on behalf of Offaly Co Co at Derryclure Landfill. The results were measured from the sample positions downstream of the Inlet and Outlet Flare.

Emission Point Reference	Substance to be Monitored	Emissi on Limit Value	Periodic Monitoring Result	Uncertainty	Units	Date of Sampling	Start/End Times	Method Reference	Operating Status	Accreditati on Status
Outlet Flare	NO _x	150	56.9	N/A	mg/Nm³	30/09/2008	15:00-15:30	BS EN 14792	As Normal	N/A
Outlet Flare	SO ₂	*** • ** :	155.0	N/A	mg/Nm ³	30/09/2008	15:00-15:30	BS 6069- 4.4.	As Normal	N/A
Outlet Flare	co	50	52.5	N/A	mg/Nm³	30/09/2008	15:00-15:30	BS EN 15058	As Normal	N/A
Outlet Flare	HCI	50	<lod< td=""><td>N/A</td><td>mg/Nm³</td><td>30/1030/09/2008</td><td>13:30-14:00</td><td>BS EN 1911 parts 1-3</td><td>As Normal</td><td>N/A</td></lod<>	N/A	mg/Nm³	30/1030/09/2008	13:30-14:00	BS EN 1911 parts 1-3	As Normal	N/A
Outlet Flare	TOC's	10	77.7	N/A	mg/Nm (Col	30/09/2008	14:00-14:30	BS EN 12619	As Normal	N/A
Outlet Flare	HF	5	<lod< td=""><td>N/A</td><td>of Trigg Nm3</td><td>30/09/2008</td><td>14:15-14:45</td><td>BS EN 15713:200 6</td><td>As Normal</td><td>N/A</td></lod<>	N/A	of Trigg Nm3	30/09/2008	14:15-14:45	BS EN 15713:200 6	As Normal	N/A
Inlet Flare	HCI	50	<lod< td=""><td>N/A Sent</td><td>mg/Nm³</td><td>20/08/2008</td><td>14:00-14:30</td><td>BS EN 1911 parts 1-3</td><td>As Normal</td><td>N/A</td></lod<>	N/A Sent	mg/Nm³	20/08/2008	14:00-14:30	BS EN 1911 parts 1-3	As Normal	N/A
Inlet Flare	HF	5	<lod< td=""><td>N/A</td><td>mg/Nm³</td><td>20/08/2008</td><td>16:15-16:45</td><td>BS EN 15713:200 6</td><td>As Normal</td><td>N/A</td></lod<>	N/A	mg/Nm³	20/08/2008	16:15-16:45	BS EN 15713:200 6	As Normal	N/A
Inlet Flare	Total Sulphur	· · · · · ·	10.7	N/A	mg/Nm³	20/08/2008	14:45-15-15	BS 6069 part 4.1/4.4	As Normal	N/A

Additional Information

*Average measured oxygen concentration was 15.6 %

**Result reported at Reference Conditions

	Reference Conditions					
!	Temperature: 273 K		Moisture: dry			
:	Pressure: 101.3 hPa		Oxygen: 3%	:		

1.5 Operating Information

Emission Point	Date	Process	Process	Fuel	Feedstock	Abatement a	Load	Compari	son of operat Monitorin	or CEMS and g Results	Periodic	
Reference	:	Туре	Duration	• •	i !	aly any oth		Substance	CEMS Result	Periodic Result	Units	
Flare	30/09/2008	Landfill Flare	Continuous	Landfill Gas	N/A	os so NA	N/A	As per table 1.4	N/A	As per table 1.4	mg/Nm³	:

1.6 Monitoring Deviations

Emission Point Reference	received and an extra construction of the cons	Substance Deviations	ço	Monitoring Deviations	Other Relevant Information
Flare	None		ي چ	Flow measurement was not taken as access to port was not safe.	None

Comments on monitoring procedures

All monitoring procedures performed correctly.

Comment	If No, WHY?
Did the sampling location meet the standard?	No, Cherry picker used as platform.
Were all the sampling points obtainable?	Yes.
Were all parameters sampled?	Yes.
Was monitoring carried out in full accordance to the specified standards and SOP's?	Yes.

Report for the Periodic Monitoring of Emissions to Air

Part 2: Supporting Information

Waste Licence Number:

W0029-02

Operator:

Offaly Co Co.

Derryclure Landfill

Installation:

Derryclure,

Tullamore.

Monitoring Dates:

30th September 2008

Organization and Monitoring Team Details

EURO environmental services

Unit 35

Boyne Business Park

Drogheda Co. Louth

Phone: 041 9845440 Fax: 041 9846171

E-mail address: air@euroenv.ie

Date of Report:

10th October 2008

Report Approved By:

Geoff Fitzpatrick

MCERTS Reg. No.

MM07 801

Competency Level:

CLevel 2

Technical Endorsment(s):

TE1, 7/E2, 7

Function:

Managel

Signed:

Appendix 1

Sampling Personnel

Name:	Responsibility:	Competency:	Technical Endorsement(s):	MCERT Number:
Piotr Nadany	Technician	Level 1	-	MM07 881
Ameer Awadalla	Technician	Trainee	-	MM07 898

Substances Monitored

Substance	Standard Method	EURO SOP
Hydrogen Chloride	BS EN 1911 parts 1-3	EM 146
Hydrogen Fluoride	BS EN 15713:2006	.EM129
VOC (high range)	BS EN 12619	EM 155
Carbon Monoxide	BS EN 15058	EM100
Nitrogen Oxides	BS EN 14792	EM 100
Oxides of Sulphur	BS 6069-4.4.	EM 100
Total Sulphur	BS 6069 part 4.1/4.4/5	EM 154

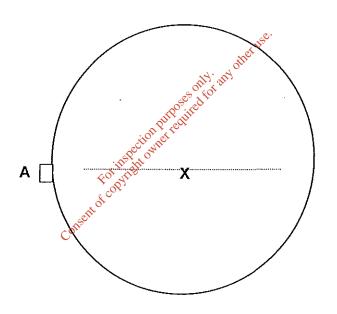
Equipment Checklist References

:	Equipment	Reference Number
	FID atlah	EM211
	IMR Flue Gas Analyzer	EM001
	SKC Pumps	EM044, EM038

Appendix 2 Monitoring Information - Flare

Determinant	Result	Units
T Reference	273	Deg K
P Reference	101.3	kPa
Average Temperature	1019	°C
Oxygen	15.6	%
Humidity	0	%

Diagram of Sampling Location (not to scale)



ATTACHMENT G. RESOURCE USE AND ENERGY EFFICIENCY

Attachment G.1 Raw Materials and Product

Table G.1 outlines the quantities of raw material which was used at the facility during 2007.

Table G.1: Raw Material Consumption in 2007

Resource	Quantities per Annum
Diesel Oil	c. 209,000 L
Machinery Hydraulic Oil	c. 680 L
Machinery Engine Oil	c. 420 L
Electricity	20,000 kWh
Water	9,800 m ³
Vermin Pesticides (RACO, Contrac)	c. 25 kgs
Top Soil (daily cover & capping)	c. 72,000 tonnes

^{*} part of this quantity was used for capping cell 1

Attachments G.2 Energy Efficiency

The dominant energy uses at the facility are electricity usage and diesel usage. Consumption of these energy sources is outlined in Table G.1 above.

Electricity is used in the administration offices, wheelwash, gas flare, public lighting, leachate pumps and ground water pumps etc. Diesel consumption is mainly used by the mobile machinery e.g. compactors dumper etc.

An energy efficiency audit will be conducted as part of the new waste licence approval to ensure energy is being used efficiently at the facility.

ATTACHMENT H - MATERIALS HANDLING

Attachment H1 Waste Types and Quantities – Existing & Proposed

All waste accepted at the site will be required to be in compliance with Annex II of the Landfill Directive. The types and quantities of waste (and EWC codes) accepted at the facility for disposal and recovery during 2007 is outlined in the table H.1.1 and H.1.2 below.

Table H.1.1: Existing Waste Types & Quantities Landfilled

Waste Type	EWC Code	Quantity Tonnes per annum
Household	20 03 01-mixed municipal waste	20,306
Commercial	20 03 01- mixed municipal waste	40,035
Sewage Sludge	20 03 01- mixed municipal waste	3,723
Construction & Demolition	17 01 07- mixture of concrete, bricks, tiles & ceramics other than those mentioned in 17 01 06 17 05 04 - soil & stones other than those mentioned in 17 05 03 17 09 04- mixed construction & demolition wastes other than those mentioned in 17 09 01, 17 09 02 & 17 09 03	2,806
Industrial Non- Hazardous	19 08 05 - Sludges from treatment of urban	599
Solids	waste water	07.100
Total	4009	67,469

Table H.1.2: Existing Waste Types & Quantities Recovered – Civic Amenity

Waste Type	EWC Code	Quantity
		Tonnes per annum
W.E.E.E (Total)	20 01 35 - discarded electrical and	192
	electronic equipment other than those	
	mentioned in 20 01 21 and 20 01 23	
	containing hazardous components	
Batteries (car &	16 06 01- lead batteries	2
household)	40.00.04	
	16 06 04 -alkaline batteries (except 16 06 03)	
Computer Monitor &	16 02 13* - discarded equipment containing	Included in 20 01 35
TVs	hazardous components (16) other than	
	those mentioned in 16 02 09 to 16 02 12	
Fluorescent Lamps &	20 01 21 - fluorescent tubes and other	1
Fridge's	mercury containing waste	
	20 01 23 – discarded equipment containing	
	chloroflorocarbons	
Electrical Cookers,	20 01 36 - discarded electrical and	Included in 20 01 35
Washing Machines	electronic equipment other than those	
	mentioned in 20 01 21, 20 01 23 and 20 01	
	35	
Cardboard	15 01 01 - paper and cardboard packaging	88
Aluminum Can's	15 01 04 - metallic packaging	3
Steel Can's	15 01 04 - metallic packaging	26
Glass Bottles	15 01 07 - glass packaging	74
Newspapers/ Glossy	20 01 01 - paper and cardboard	137
Magazines	17.01.07 : 50 to	107
Steel Mixed	17 04 07 -mixed metals	137
Waste Oil	13 02 04* - mineral pased chlorinated	5
0	engine, gear and tubricating oils	
Cooking oil	20 01 25 edible oil and fat	1
Bottle Gas Cylinder	16 05 04* - gases in pressure containers	120
	(including halons) containing dangerous	
Timbor	substances	470
Timber	17 02 01 - wood	470
Flat Glass	20 01 02 - glass	14
Plastic Bottles	20 01 39 - plastics	23
Clothes / Textiles	20 01 11 - textiles	22
Tetra-Pak	15 01 05 - composite packaging	3
End of life Tyres	16 01 03 - end-of-life tyres	22
Aero-board	15 01 02 - plastic packaging	2
Paint cans etc	20 01 27*- paint, inks, adhesives and resins	6
Tan Call (was dies dell	containing dangerous substances 17 05 04 - soil and stones other than those	74 700
Top Soil (used as daily		71,788
cover)	mentioned in 17 05 03	
Used for recovery		
instead of disposal		

Proposed types and quantities of waste to be accepted at the landfill facility are outlined in the table H.1.3 below.

Table H.1.3: Proposed Waste Types & Quantities to be Landfilled

Waste Type	EWC Code	Quantity Tonnes per annum
Household	15 01 06 – mixed packaging	45,500
	20 01 02 – glass	
	20 03 01 – mixed municipal wastes	
	20 03 02 – waste from markets	
	20 03 03 – street cleaning residues	
	20 03 07 – bulky waste 20 03 99 – municipal waste not otherwise specifed	
	19 12 12 - other waste (including mixtures of materials) from mechanical treatment of waste other than those mentioned in 19 12 11	
Commercial	15 01 01 – paper and cardboard packaging	39,500
	15 01 02 – plastic packaging	
	15 01 03 – wooden packaging	
	15 01 04 – metallic packaging	
	15 01 05 – composite packaging	
	15 01 07 – glass packaging	
	15 01 06 –mixed packaging	
	20 01 01 – paper and cardboard	
	20 01 02 - glass	
Tuestad Marriet	20 01 38 – wood other that that mentioned in 20 01 37	2.000
	20 03 04 – septic tank sludge 20 03 06 – waste from sewage cleaning	2,000
Sludge Construction	17 01 01 – concrete	2,000
& Demolition	17 01 01 - Collidete	2,000
	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 01 – wood	
	17 02 02 – glass	
	17 02 03 - plastic	
	17 04 07 – mixed metals	
	17 05 04 – solid and stones other than those mentioned in 17 05 03	
	17 06 04 – insulation materials other than those mentioned in 17 06 01 and 17 06 03	
	17 09 04 – mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03	
Industrial Non-	19 01 12 – bottomash and slag other than those mentioned in 19 01 03	11,000
Hazardous Solids	19 01 14 – fly ash other than those mentioned in 19 01 13	
	19 01 16 - Boiler dust other than those mentioned in 19 01 15	
	19 01 18 – pyrolysis wastes other than those mentioned in 19 01 17	
	19 01 19 - sands from fluidized beds	
	19 02 03 – premixed waste of only non hazardous wastes	
	19 02 10 – combustible waste other than those mentioned in 19 02 08 and 19 02	
	09	
	19 05 01 - non-composted fraction of municipal and similar wastes	
	19 05 02 - non-composted fraction of animal and vegetable waste 19 05 03 - off-specification compost	
	·	
	19 05 99 - wastes not otherwise specified	
	19 09 01 solid waste from primary filtration and screenings 19 09 04 spent activated carbon	
	19 09 05 saturated or spent ion exchange resins	
	19 09 99 wastes not otherwise specified	
	19 12 01 paper and cardboard	
	19 12 02 ferrous metal	
	19 12 03 non-ferrous metal	
	19 12 04 plastic and rubber	
	19 12 05 glass	
	19 12 07 wood other than that mentioned in 19 12 06	

Waste Type	EWC Code	Quantity Tonnes per annum
	19 12 09 minerals (for example sand, stones)	
	19 12 10 combustible waste (refuse derived fuel)	
	19 12 12 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	
	19 13 02 solid wastes from soil remediation other than those mentioned in 19 13 01	
Total		100,000

Attachment H.2 Waste Acceptance Procedures

Section 2 of the EIS details the waste acceptance procedures for the facility.

A waste acceptance and waste handling procedure has been prepared and submitted to the Agency in compliance with Condition 5.2 of the current waste licence WL029-02. These procedures will continue to be implemented if landfilling activities are intensified.

Attachment H.3 Waste Handling

Section 2 of the EIS details the waste handling procedures for landfilling activities.

A waste acceptance and waste handling procedure has been prepared and submitted to the Agency in compliance with Condition 5.2 of the current waste licence WL029-02.

H.3.a Waste Handling at the Landfill Facility

Offaly County Council along with the other counties in the region are in the process of introducing bye-laws on the segregation of waste to include a third bin for the collected of source separated biodeoradable waste.

Attachment H.4 Waste Arisings

Small quantities of municipal waste will be generated in the administration buildings and canteen facility. This waste is recovered onsite at the civic amenity as far as possible and the remaining waste is landfilled.

Foul water and leachate is also generated onsite. This is taken by vacuum tanker and disposed of at Tullamore wastewater treatment plant (WWTP). This waste is transported by a licensed haulier.

ATTACHMENT I - EXISTING ENVIRONMENT AND IMPACT OF THE ACTIVITY

Attachment I.1 – Assessment of Atmospheric Emissions

Section 3.1 and 3.2 of the EIS assesses the environmental nuisances and existing air quality and the potential impacts of the proposed environment.

Attachment I.2 – Assessment of Impacts of Surface Water Discharges on the Receiving Waters

Section 5 of the EIS assesses the existing surface water quality and the potential impacts of the proposed environment.

Attachment I.3 - Assessment of Impact on Receiving Sewer

The development is currently not connected to a sewer. All foul sewerage is discharged to a holding tank onsite and then transported to Tullamore wastewater treatment plant (WWTP) for treatment.

Attachment I.4 - Assessment of Impact of Groundwater and Soils

Section 4 of the EIS assesses the geology and hydrogeology in the existing environment and the potential impacts of the proposed environment.

Attachment I.5 – Ground and/or Groundwater Contamination

Sections 4 of the EIS assess the geology and hydrogeology in the existing environment and the potential impacts of the proposed environment.

Attachment 1.6 - Noise Impacts

Section 3.4 of the EIS assesses noise levels in the existing environment and the potential noise impacts of the proposed environment.

Attachment I.7 – Assessment of Ecological Impacts and Mitigation Measures

Section 6 of the EIS details the ecological assessment of the existing environmental and the potential ecological impacts of the proposed development.

ATTACHMENT J - ACCIDENT PREVENTION AND EMERGENCY RESPONSE

Attachment J.1 – Accident Prevention and Emergency Response

It is not anticipated that the operation of the facility will present any danger to the public. Access to the site will be restricted to employees, hauliers and pre-arranged visitors. All visitors, once on site, will be accompanied by a member of staff at all times. Procedures are in place to ensure the health and safety of all persons entering the site.

Staff will be present onsite at all times during opening hours to supervise and carry out operations and to deal with any emergencies. Key staff will be on-call to respond to any emergency situation outside of normal working hours e.g. night-time, weekends and Public Holidays.

A number of procedures have been prepared and implemented at the facility to prevent accidents and minimise any effects on the environment from accidental emissions or emergency situations, including:

Environmental Procedure No. 9: Emergency Response Procedure

Environmental Procedure No. 10: Spill Clean Up Procedure

Environmental Procedure No. 11: General Fire/Explosion Procedure Environmental Procedure No. 12: Internal/External Flooding Procedure

Environmental Procedure No. 13: Malicious Damage Procedure
Environmental Procedure No. 14: Unforeseen Emergency Procedure

Copies of these procedures are included in Attachment J.2.

Attachment J.2

Copy of Emergency Response Procedures

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DERRYCLURE LANDFILL OFFALY CO. CO.

Environmental Procedure No. 9 (EP 9.0)

Emergency Response Procedure

Purpose:		esponse to potential emergency situations occurring at and including environmental accidents and or
Scope:	To deal wit	h emergency situations.
Responsibility: Environmental Emergency Response Team, Senior Engineer		
References	5:	
	10	Spill Clean Up Procedure
	11	General Fire/Explosion Procedure
	12	Internal/External Flooding Procedure
	13	Malicious Damage Procedure
	14	Unforeseen Emergency Procedure
Midland Regional Emergency Services Plan		

Procedure:

- Should an emergency situation occur, appropriate Environmental Response Procedures, ERP 09 to ERP 14 which detail each emergency situation and the proposed response will comes into action.
- On an annual basis, and at any other time deemed necessary, documented response The Environmental Emergency Response Team (as part of Annual Environmental Report AER), for associated emergency situations reviews procedures. Additional procedures may be prepared as identified by environmental reviews/audits, environmental compliance monitoring reports, personnel emergency situations should be brought to the attention of the Environmental Emergency Response Team.
- 3 Following an emergency, details of the incident shall be recorded on the Environmental Incident Notification Form (EPF 1.0). Following the environmental incident appropriate procedures shall be implemented accordingly i.e. Environmental Non-Conformance Procedure (EP 1.0), Environmental Corrective Action Procedure (EP 2.0) and Environmental Incident Investigation and Reporting Procedure (EP 3.0).

Prepared By:	Approved By:	Date:
Brendan King	David Hogan	

DERRYCLURE LANDFILL OFFALY CO. CO.

Environmental Procedure No. 10 (EP 10.0)

Spill Clean - Up Procedure

Purpose: This procedure details the steps to be taken when dealing with a chemical

substance spills on site. This procedure should be followed for all small,

large and massive spills that may occur on site.

Scope: Protect Employees, Protect the Environment, Prevent Fugitive Emissions

Responsibility: Site Manager and Senior Staff are responsible for being aware of the procedure and their responsibilities/requirements/obligations.

Definitions:

<u>Type</u> <u>Description</u>
Small Spill: Less than Slitres

Large Spill: Greater than 5 litres and less than 250 litres

Massive Spille Greater than 250 litres

<u>Flammable Liquid Hazards:</u>

- Flashpoint <32°C, highly flammable.
- Solvent Vapours heavier than air.
- So do not use water or wet vacuum.
 - Do not step into the spill.

Corrosive Hazards:

- Always add acid to water.
- Arsenic when mixed with corrosives gives a toxic gas.
 - Nitric Acid reacts with Aluminium.
- Sulphuric Acid causes burns by drawing moisture out of the skin.

Procedure:

- 1 Ensure all hazardous materials are handled (loaded, unloaded and moved) by a **Competent person** using the correct equipment and appropriate protective clothing. Appropriate precautions should be taken at all times to minimise the risk of accidental spillage.
- 2 In the event of a spillage occurring the lead member of the Environmental Emergency Response Team shall initially investigate the following issues:
 - How long has it been since the incident occurred.
 - Consult the relevant data sheet (Material Safety Data or otherwise) for the method of spill containment and fire control of the affected material.
 - Contact the relevant emergency response number (local fire service, police and hospital telephone, Environmental Protection Agency, Shannon Regional Fisheries Board, Eastern Regional Fisheries Board numbers are located within the site office) and any external emergency response help.
 - Locate the nearest fire suppression system (there are three hydrants within the landfill with take-off points for attaching fire hoses).
 - Identify the location of the nearest Fire Aid site.
 - Note the wind direction and any possible sources of ignition i.e. naked lights, machinery, electrical fittings, and combustible material, and remove them from the area.

3 Evacuate the area (for large and massive spills if necessary);

- The lead member of the Environmental Emergency Response Team should ensure that all personnel are evacuated in a calm, efficient manner. Staff should be instructed to walk briskly to their designated evacuation locations.
- If flammable material is involved in the spill, isolate equipment and materials that may be affected.
- If deemed necessary by the lead member of the Environmental Emergency Response Team the Midland Regional Emergency Service Plan may require implementation.

4 Wear appropriate Personal Protective Equipment

5 Containment

- The spillage must be contained using absorbent material, socks, booms spill kits or sandbags.
- If the spillage is sourced from a drum, position the drum so that the ruptured section is in an upward direction, thereby preventing further leakage.
- Once the spill has been contained the liquid shall either pumped into a barrel or removed using non-spark shovels and labeled appropriately (contents, name and date).

6 Clean Up Operation

- Use non-spark shovels and brushes to sweep the spilled material into drums.
- Start on the outside and work in towards the centre of the spill.
- Do not mix different types of waste.
- Drum the waste and seal the container or bag and double bag.
- Label the waste with the destination name, appropriate hazard label and name of Waste giving as much information as possible on contents, plus concentrations of Constituents, etc.
- If the spill occurred due to a damaged drum, place the ruptured drum into a Salvage drum container, until disposal is arranged
- Decontaminate personnel by using the washing facilities.
- The EPA and the Shannon Regional Fisheries Board are informed if hazardous Chemicals or firewater have infiltrated the drainage network. Following an Emergency, details of the incident shall be recorded on the Environmental Incident Notification Form (EPF 1.0). Following the Environmental incident appropriate procedures shall be implemented accordingly i.e. Environmental Non-Conformance Procedure (EP 1.0), Environmental Corrective and Preventative Action Procedure (EP 2.0) and Environmental Incident Investigation and Reporting Procedure (EP 3.0)

Prepared By: Approved By: Date:

Brendan King David Hogan

DERRYCLURE LANDFILL OFFALY CO. CO.

Environmental Procedure No 11 (EP 11.0)

General Fire / Explosion Procedure

Purpose: To deal with fire/explosion emergencies

Scope: Protect Employees, Protect the Environment, Prevent Fugitive emissions.

Responsibility: Site Manager and General staff (Offaly County Council) and on site contractors, are responsible for being aware of the Procedure and their responsibilities /requirements /obligations.

Procedure:

- Employees shall only attempt to fight a fire if safe to do so. If an employee feels that they cannot tackle a fire safely and effectively, **Evacuation of all personnel is** the Primary Priority.
- The Environmental Emergency Response Team is assembled immediately, and the area evacuated in a calm, orderly manner. All staff and contractors shall be instructed to walk briskly to the designated evacuation point (next to wheel-wash).
- In the event of a fire/explosion occurring the lead member of the Environmental Emergency Response Team shall complete a roll call to account for all landfill employees, contractors and members of the general public that may be present on site.
- The lead members of the Environmental Emergency Response Team shall identify the location of the fire/explosion through dialogue with the individual who discovered the fire and shall take one of the following actions:
 - If there is a fire suppression system in the area (there are three hydrants within the landfill with take-off points for attaching fire hoses) the person in charge shall determine whether the system can be safely activated, if not already activated.
 - Determine whether the fire can be safely isolated by the Environmental Emergency Response Team by utilising the fire hoses.

- In the event of a fire on the refuse mass the effected waste is removed by excavation, spread over a non-fire effected area and sprayed with water using fire hoses.
- If the fire is not controlled with the fire fighting equipment available, the local fire brigade is notified immediately. Local fire, police and hospital telephone numbers are located in the site office. (see Environmental Incident Notification Form EPF 1.0 and contact numbers list)
- If deemed necessary by the lead member of the Environmental Emergency Response Team the Midland Regional Emergency Services Plan may require implementation.
- Personnel shall not attempt to re-enter the site office until they have been informed That it is to safe to do so by the lead member of the Environmental Emergence Response Team.
- Once the fire has been extinguished or the explosion controlled, using the available resources the Environmental Emergency Response Team complete a clean-up operation (See Environmental Procedure EP 10).
- All fires affected material is checked thoroughly in order to ensure that it is quenched If the effected material is considered hazardous, it is stored in a container And collected as soon as possible by a certified hazardous waste disposal contractor.
- The EPA and the Shannon Regional Fisheries Board are informed if hazardous chemicals or firewater have infiltrated the drainage network. Following an emergency, details of the incident shall be recorded on the Environmental Incident Notification Form (EPF 1.0). Following the environmental incident appropriate procedures shall be implemented accordingly i.e. Environmental Non-Conformance Procedure (EP 1.0), Environmental Corrective and Preventative Action Procedure (EP 2.0) and Environmental Incident Investigation and Reporting Procedure (EP 3.0).

Prepared By:	Approved By:	Date:
Brendan King	David Hogan	

DERRYCLURE LANDFILL OFFALY CO.CO.

Environmental Procedure No 12 (EP 12.0)

Internal /External Flooding Procedure

Purpose: Minimise environmental damage from a flooding incident,

Scope: Minimise damage to property or materials on site.

Prevent fugitive emissions.

Responsibility: Site Manager and General staff (Offaly County Council) and on site contractors, are responsible for being aware of the procedure and their responsibilities/requirements/obligations.

Procedure:

- 1. Located source of flooding and shut it off if possible.
- 2. Remove containers of environmental hazardous material to a safe location to prevent entry to the drainage system. Ensure all hazardous material is handled (loaded, unloaded and moved) by a competent person using the correct equipment and appropriate protective clothing. Appropriate precautions should be taken at all times to minimise the risk of accidental spillage.
- 3. Once the source of the flooding has been eliminated, the Environmental Emergency Response Team commences the clean up operation.
- 4. The E.P.A and the Shannon Regional Fisheries Board are informed if any hazardous chemicals or firewater have infiltrated the drainage network. Following an emergency, details of the incident shall be recorded on the Environmental Incident Notification Form (EPF 1.0)

Following the environmental incident appropriate procedures shall be implemented accordingly i.e.

- Environmental Non-Conformance Procedure (EP 1.0),
- Environmental Corrective and Preventative Action Procedure (EP 2.0)
- Environmental Incident Investigation and Reporting Procedure (EP 3.0).

Prepared By:	Approved By:	Date:
Brendan King	David Hogan	

DERRYCLURE LANDFILL OFFALY CO. CO.

Environmental Procedure No. 13

(EP. 13.0)

Malicious Damage

Purpose: To monitor malicious damage

Scope: Prevent malicious damage.

Responsibility: Site Manager, Senior Staff and Contractors of Offaly County

Council

Procedure:

1. Where any occurrence of malicious damage is noted or where persons are observed to be causing malicious damage, the **Site Manager** or **Senior Staff** should be informed.

2. Where malicious damage results in a significant environmental impact, or a potential significant environmental impact, the Environmental Emergency Response Team is advised. They then undertake activities to minimise and repair the damage caused.

3. Staff members observed causing malicious damage are subjected to internal disciplinary action.

The Site Manager or Senior Staff reports external persons to the Local Garda station.

- 4. Details of the incident shall be recorded on the **Environmental Incident Notification Form (EPF 1.0).** Following the environmental incident appropriate procedures shall be implemented accordingly
- Environmental Non-Conformance Procedure (EP 1.0)
- Environmental Corrective and Preventative Action Procedure (EP 2.0)
- Environmental Incident Investigation and Reporting Procedure (EP 3.0).

Prepared By:	Approved By:	Date:
Brendan King	David Hogan	

DERRYCLURE LANDFILL OFFALY CO. CO.

Environmental Procedure 14.0

(EP 14.0)

Unforeseen Emergency Procedure

Purpose: To provide a procedure of an unforeseen emergency.

Scope: To prevent unforeseen emergency

Responsibility: Site Manager and General Staff

Procedure:

- 1. Following the occurrence of an incident requiring emergency action the observant shall contact the most senior management representative on site.
- 2. Should it be deemed necessary by the most senior management representative, the landfill site shall be evacuated and the emergency services contacted (list of local fire, police and hospital telephone numbers are located in the site office).
- 3. There shall be no re-entry permitted to the site until clearance is provided by the representative of the emergence services and the most senior management representative on-site.
- 4. Under the guidance of the most senior representative of management on-site, should The incident be determined to be capable of being addressed in-house, the Environmental Emergency Response Team shall be mobilised paying due regard to the appropriate emergency response procedure.
- 5. The EPA and the Shannon Regional Fisheries Board are informed if hazardous Chemicals or firewater have infiltrated the drainage network. Following an emergency details of the incident shall be recorded on the Environmental Incident Notification Form (EPF1.0) located within the Environmental Incident Investigation and Reporting Procedure. Following the environmental incident appropriate procedures shall be implemented accordingly i.e. Environmental Non-Conformance Procedure (EP1.0) Environmental Corrective and Preventative Action Procedure (EP 2.0) and Environmental Incident Investigation and Reporting Procedure (EP 3.0).

Prepared By:	Approved By	Date:
Brendan King	David Hogan	

ATTACHMENT K - REMEDIATION, DECOMISSIONING, RESTORATION AND AFTERCARE

Attachment K.1 Cessation of Activity

Development of the landfill will be on a phased basis. Details of the phasing plan, due to the intensification of waste acceptance at the facility, are provided in Section 2.4 of the EIS.

It is anticipated that due to the intensification of waste acceptance at the facility, filling activities will have ceased at the site in approximately 2018. The site will then be fully capped and restored within 12 to 18 months. A plan of the proposed restoration contours is shown in Figure 7.1 of the EIS.

On-site infrastructure (such as temporary offices, weighbridge, weighbridge hut etc) used during the operational phase of the landfill will be removed as soon as site restoration operations are complete. After completion of final restoration profiles and general site landscaping the earthmoving plant will be removed. It is envisaged that the civic amenity would remain in operation indefinitely after the landfill closes.

A restoration and aftercare programme was submitted to the EPA in March 2006 and a copy of the EPA's approval of this programme is included in Attachment K.2 of this application form.

Attachment K.2

Copy of Letter of EPA Approval for Restoration and Aftercare Programme

Consent of copyright owner required for any other use.

CE0728601_RPT005-0 (WL Attachments)maeve.doc

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Daviel Hogan
- achom



Director of Environmental Services Aras an Chontae Charleville Road Tullamore Co Offaly

Attn Mr David Hogan



Environmental Protection Agency Regional Inspectorate, John Moore Road Castlebar, County Mayo, Ireland An Ghnlomhaireacht um Chaomhnú Comhshac Cigireacht Réigiúnach, Bóthar Sheán de Mórdh Caisleán an Bharraigh, Contae Mhaigh Eo, Éire

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Lo Call: 1890 33 55 99

19th July 2006

Our Ref: WL29-2(06)GEN23JG.doc

Re: Restoration and Aftercare Programme

Dear Director,

I refer to your correspondence dated the 29th March 2006 in respect of the restoration and aftercare programme at Derryclure Landfill (WL29-2). The Agency notes the content of your proposal and wishes to comment as follows.

- The Agency agrees to the proposed final capping of the unlined cell as outlined in this proposal. This work should be progressed as soon as possible.
- The Agency agrees to the proposed leachate management infrastructure as outlined in this proposal. This should be completed without delay.
- The Agency agrees to the proposed Surface water management infrastructure as outlined in this proposal. This should be installed without delay.

Based on the information provided, the Agency agrees to the above proposals, subject to compliance with the Conditions of your waste licence.

Should you have any query regarding this communication, please quote the above reference and contact the undersigned at the EPA Regional Inspectorate, John Moore Road, Castlebar, Co. Mayo.

Yours sincerely,

Mr. John Gibbons,

Inspector

Office of Environmental Enforcement

DIRECTOR SERVICES ENVIRONMENT

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ATTACHMENT L - STATUTORY REQUIREMENTS

Attachment L.1 - Statutory Requirements

The information submitted in the Waste Licence Application and its attachments, including the Environmental Impact Statement complies fully with Section 40 (4) [(a) to (i)] of the Waste Management Acts.

Best Available Technology (BAT) will be used throughout the development.

Attachment L.2 Fit and Proper Person

In compliance with Condition 12.2 of the current waste licence (WL029-02), Offaly County Council have established and maintained a fund to ensure that they are at all times financially capable of implementing the Restoration and Aftercare Plan for the facility.

As the proposed development, which is the intensification of waste acceptance at the landfill facility, does not alter the overall financial liability of the facility, this fund/guarantee is sufficient for the proposed development.

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