



Comhairle Contae Thiobraid Árann Thuaidh
North Tipperary County Council

Annual Environmental Report 2010

**Ballaghveny Landfill, Ballymackey, Nenagh,
Co. Tipperary.**

North Tipperary County Council.
Environment Section,
Civic Offices,
Limerick Road,
Nenagh,
Co. Tipperary.

14th March 2011

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Executive Summary

This is the tenth Annual Environmental Report (AER) produced for Ballaghveny Landfill Site, Ballymackey, Nenagh, Co. Tipperary and has been compiled in accordance with the requirements of Schedule G of Waste Licence 0078-03.

The purpose of the report is to summarise the interaction of the facility with the local environment. The Annual Environmental Report includes where applicable the information specified in Schedule G of the Waste Licence and in accordance with the EPA publication Landfill Manuals

- Investigations for Landfills 1995
- Landfill Monitoring, 2nd Ed 2004
- Landfill Operational Practices 1997
- Landfill Restoration and Aftercare 1999
- Landfill Site design 2001

1. INTRODUCTION

Waste licence Register Number: 0078-03

Name of Operator, Name and Address of Facility

North Tipperary County Council,
Ballaghveny Landfill Site,
Ballymackey,
Nenagh,
Co. Tipperary.

Reporting period

The reporting period for the purposes of this AER is the 1st of January 2010 to 31st December 2010.

Site Description

The site is located in a rural area, which is not heavily populated, and its surrounding lands consist of flat open fields screened by dense forestry. Agriculture is the principal land use in the vicinity of the landfill, with pig farming, horses and dairying as the main activities. Access to the site is generally from the Nenagh/Dublin N7 National Primary Route along rural roads.

The landfill is located in the townlands of Ballaghveny and Woodville approximately 4km north of Toomevara and 11km north-east of Nenagh. The site is approximately 16.3ha in size and is situated on the eastern side of approximately 40ha of land owned by North Tipperary County Council (NTCC) which also includes Woodville House.

The original site, approximately 5.3ha in size, was purchased as a disused quarry by North Tipperary County Council (NTCC) following an investigation by An Foras Forbartha in 1985. A total of 5 Cells were developed with cells 3-5 lined. In 2000 NTCC bought Woodville house and associated lands to the west and north of the existing landfill.

Three additional lined cells, cells 6, 7 and 8 were developed and filled from September 2001 to June 2005. Cells 9, 10 and 11 were constructed in 2004/2005 and came into operation in June 2005.

2. WASTE ACTIVITIES CARRIED OUT AT THE FACILITY

The only waste activities carried out at the facility are those activities listed on page 6 of the waste licence. They are:

Licensed Waste Disposal activities, in accordance with the Third Schedule of the Waste management Acts, 1996 to 2008

- Class 1 Deposit on, in or under land (including landfill)
- Class 2 Land treatment, including biodegradation of liquid or sludge discards in soils.
- Class 4 Surface impoundment, including placement of liquid or sludge discards into pits, ponds or lagoons.
- Class 5 Specially engineered landfill, including placement into lined discrete cells which are capped and isolated from one another and the environment.
- Class 11 Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule.
- Class 12 Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule.
- 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.

Licensed Waste Recovery Activities, in accordance with the Fourth Schedule of the Waste Management Acts, 1996 to 2008:

- Class 2 Recycling or reclamation of organic substances, which are not used as solvents (including composting and other biological transformation processes)
- Class 3 Recycling or reclamation of metals and metal compounds.
- Class 4 Recycling or reclamation of other inorganic materials.
- Class 10 The treatment of any waste on land with a consequential benefit for an agricultural activity or ecological system.

- Class 11 Use of waste obtained from any activity referred to in a preceding paragraph of this Schedule.
- 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.

3. QUANTITY AND COMPOSITION OF WASTE RECEIVED, DISPOSED OF AND RECOVERED DURING THE REPORTING PERIOD AND EACH PREVIOUS YEAR

Waste accepted for disposal/landfill at the Ballaghveny Landfill Facility- Full details in Appendix 1.

The total tonnage of material accepted at the Ballaghveny Landfill Site during the reporting period was 17,003.8 tonnes. The table below illustrates the tonnage comparison with previous years.

Year	Total tonnage accepted at Ballaghveny Landfill
2001	28,588
2002	35,787
2003	36,612
2004	32,622
2005	26,115
2006	31,802
2007	28,470
2008	25,096
2009	21,442
2010	17,004

The 17,003.8 tonnes of material can be sub categorised as follows -

Waste type	Quantity accepted in 2010
Commercial waste	2,303.62
Domestic waste	13,699.54
C&D	29.86
Road sweepings	530.68
Illegal Refuse	410.22
Screenings STP	29.88
Total	17,003.8

Total tonnage of materials recycled at the Ballaghveny Landfill Facility

Ballaghveny Landfill constructed its Civic Amenity Site in March 2003. The construction of this facility allowed for the expansion of recycling services. The Facility now accepts the following for recycling

- *Scrap Metal*
 - *Plastic*
 - *Cardboard*
- *Newspapers & Magazines*
 - *Batteries*
 - *Bottle Bank*
 - *Clothes bank*
- *Fridge/Freezers*
 - *WEEE*
- *Flourescent bulbs*
 - *Gas cylinders*
 - *Christmas trees*

In 2010 a total of 205.8 tonnes of materials were exported from the site for recycling.

Year	Total tonnage recycled at Ballaghveny Landfill
2001	112 (Mainly scrap metal)
2002	123 (Mainly scrap metal)
2003	101 (Mainly scrap metal)
2004	78 (Mainly scrap metal)
2005	67 (Mainly scrap metal + WEEE)
2006	272 Itemised breakdown in appendix 1
2007	287 Itemised breakdown in appendix 1
2008	319 Itemised breakdown in appendix 1
2009	265.06 Itemised breakdown in appendix 1
2010	205.8 Itemised breakdown in appendix 1

Waste Records

All waste materials accepted at the site are recorded on two separate documents, including a computer printout of the waste accepted and a waste transfer document. The following details are recorded:

Computer Printout

- Landfill name address and telephone number,
- Vehicle registration number,
- Contractor name (Customer / Supplier)Customer account number,
- Customer address,
- Date and time of waste delivery,

- European waste catalogue number for waste,
- Waste / product description,
- Waste / product code for site,

- Identification number of person who inspected the load,
- Accepted or rejected status,
- Weight entering site and weight of container leaving site,
- Net weight of waste accepted,
- Landfill charge,
- Weighbridge operators signature and
- Driver's signature.

Waste transfer Docket

- Landfill name address and telephone number and waste licence number,
- Name and address of contractor who collected the waste,
- Contractors waste collection permit number,
- Premises that waste originated from,
- Odour characteristics,
- European waste catalogue number for waste,
- Net weight of waste accepted,
- Weighbridge operators signature and
- Driver's signature.

4. REMAINING FACILITY CAPACITY & PROPOSED FILLING PLAN

The most recent topographical survey of the landfill was carried out in January 2010. A proposed filling plan was produced in January 2010 (See appendix 2)

Cell 10a

The Floor Plan area of Cell 10a is 4,335m²
This cell has a filling capacity of 55,011m³.
The most recent compaction rate was 0.71t/m³.
This means that a total of 39,058 tonnes of waste can be landfilled in this cell.

North Tipperary County Council moved into Cell 10a on the 7th of November 2009. Between the 7th of November and 31st of December 2010 a total of 23,180 tonnes of waste was landfilled in this cell. The Remaining capacity of this cell on the 31st of December 2010 was 9,702 tonnes.

Cells 10b

- The Floor Plan area of Cell 10b is 3,797m²
- This cell has a filling capacity of 46,376m³
- The most recent compaction rate was 0.71t/m³.
- A total of 32,927 tonnes of waste can be landfilled in this cell

Cell 11a

- The Floor Plan area of Cell 10b is 2,992m²
- This cell has a filling capacity of 30,441m³
- The most recent compaction rate was 0.71t/m³.
- A total of 21,613 tonnes of waste can be landfilled in this cell

Cell 11b

- The Floor Plan area of Cell 10b is 3,536m²
- This cell has a filling capacity of 34,776m³
- The most recent compaction rate was 0.71t/m³.
- A total of 24,691 tonnes of waste can be landfilled in this cell

The Wedge

- The Floor Plan area of Cell 10b is 2,345m²
- This cell has a filling capacity of 70,160m³
- The most recent compaction rate was 0.71t/m³
- A total of 49,814 tonnes of waste can be landfilled in this cell

5. METHODS OF DEPOSITION OF WASTE

The waste is placed in lined discrete cells. The waste is deposited and compacted in a series of thin layers along a gently inclined surface in accordance with Condition 6.9 of waste licence 0078-03.

The compaction rate for 2010 was 0.71t/m³ – Full details available in **Appendix 2**

6. SUMMARY REPORT OF EMISSIONS

The required monitoring programme at Ballaghveny Landfill Facility is specified in Schedule C of Waste Licence W0078/03. The environmental monitoring period for this AER is 1st January 2010 to the 31st of December 2010.

The following sections summarise the environmental monitoring undertaken at Ballaghveny Landfill Facility during the reporting period. Drawing DG 0001-01, Rev F05 in **Appendix 3** shows the location of all monitoring points. The results and analysis of this monitoring were submitted by North Tipperary County Council to the Agency in the form of four quarterly monitoring reports during 2010/2011. These results are included in **Appendix 4**.

A summary of emissions is contained in Table 6.1 below.

Table 6.1 - Summary of Emissions

Emission	Significance
Noise	The 2010 Noise Survey was completed in March 2010 by ANV Technology. The daytime noise limit was complied with at all locations. As the Landfill facility does not operate at nighttime, the nighttime noise limit is also deemed to be complied with.
Dust	Dust monitoring was carried out at monitoring points DSP1, DSP2, DSP3 and DSP4 in July/August and September/October 2010. The dust deposition limit is 350mg/m ² /day. Dust Monitoring was within licence limit at all monitoring points during 2010.

Landfill Gas	<p>During 2010 levels of methane, carbon dioxide and oxygen were monitored.</p> <ul style="list-style-type: none"> • Methane (CH₄) levels recorded at the perimeter boreholes were within the limits of the licence during 2010. • Carbon Dioxide (CO₂) levels recorded at the perimeter boreholes exceeded the limits of the licence as follows: MP4 September 2010 MP15 October 2010 MP17 May, June, September & October 2010 • Gas monitoring detectors have been installed in the site offices. No exceedances were recorded.
Emissions to Surface Water	<p>Five surface water sampling points were monitored throughout the year. These monitoring points were located on the Ballaghveny Stream and the Ollatrim River. The sampling points are located upstream and downstream of the Landfill facility.</p> <p>Monitoring point SW1 exceeded the Ammonia licence limit during the first quarter of 2010.</p> <p>Monitoring point SW4 which is upstream of the facility exceeded B.O.D. & Suspended Solids licence limits during the second quarter of 2010 and the Dissolved Oxygen limit during the final quarter of 2010.</p> <p>Biological monitoring carried out by Conservation Services in July 2010 showed that Ballaghveny Landfill was not having a negative impact on local watercourses.- See Appendix 12</p>
Leachate	<p>Overall the Leachate composition, appearance and levels were typical for a landfill site of its nature.</p> <p>The capping of Cells 1-8 has significantly reduced the level of Leachate in the cells.</p> <p>All collected Leachate is tankard off-site to the Nenagh & Roscrea Waste Water Treatment Plants. The total volume tankard during the 2010 reporting period was 17,203.18m³. A synopsis of Leachate volumes can be seen from Appendix 6.</p>
Odours	<p>The level of nuisance odours for the reporting period was considered to be minimal and was mainly confined to areas surrounding the gas vents.</p>
PRTR Emissions Data	<p>The 2010 completed PRTR workbook is attached in Appendix 11.</p>

7. RESOURCE & ENERGY CONSUMPTION SUMMARY

Resource and energy consumption on site can be summarised approximately as follows:

Diesel fuel:

The landfill has a tractor, which used 4,437 litres of diesel in 2010. The only other diesel fuel that was used at Ballaghveny landfill during 2010 was in the mechanical plant used for the depositing and compaction of the waste in the cells. This plant was on hire from private contractors and subsequently is fuelled by the contractors. Therefore no record of this fuel is maintained at the site.

Electricity consumption:

Ballaghveny Landfill now obtains electrical energy from Energia.

A total of 85,178 kwh of electricity were used at the site during 2010.

Water consumption:

Water used on site is for two purposes. Water used on site for drinking and washing purposes is sourced from the public water supply and approximately 294 m³ was used in 2010. Water is also imported onto the site from a nearby river and is sprinkled to prevent dust nuisances arising on site.

Energy Audit: - See Appendix 5

An audit of North Tipperary County Council's recycling and landfill sites was carried out from the 23rd – 26th June 2009.

Based on this energy audit improvements were carried out at the Ballaghveny site during 2009 and an update by Tipperary Energy Agency is included in **Appendix 5**.

8. VOLUME OF LEACHATE PRODUCED AND VOLUME OF LEACHATE TRANSPORTED /DISCHARGED OFF-SITE

Leachate

Condition 6.2 of Waste Licence 0078-03 deals with Leachate Management at the facility.

All Leachate is pumped to the Leachate storage lagoon to the north of cells 6-8. The existing Leachate lagoon has a capacity of 1,020m³. Allowing for a free board of 0.5m in accordance with the waste licence, the Leachate storage capacity of the lagoon is 694m³.

Leachate is tankered from the lagoon to the Nenagh Waste Water Treatment Plant for treatment. On occasion, during periods of very heavy rain Leachate is also tankered to the Roscrea Waste Water Treatment Plant for treatment.

In 2010, 17,203.18m³ of Leachate was collected at the site and treated at the WWTP in Nenagh and Roscrea. Every load of Leachate transported was weighed and recorded.

Leachate Volumes Removed from Ballaghveny Landfill Facility from 2001 to 2009.

The total tonnage of Leachate transported from the Ballaghveny Landfill Site during the reporting period was 17,203.18m³. The table below illustrates the tonnage comparison with previous years.

Year	Total Leachate removed from Ballaghveny Landfill for treatment at the WWTP.
2001	6,210
2002	14,466
2003	12,217
2004	13,273
2005	18,672
2006	16,657
2007	26,016
2008	40,232
2009	22,313
2010	17,203

Leachate Levels

In accordance with condition 6.2 of waste licence 0078-03 Leachate levels and the freeboard in Leachate storage lagoons are to be monitored continuously.

The Leachate levels within the waste are continuing to reduce. Cells 1-8 are capped and this has significantly improved the quantities of Leachate being generated in these cells.

The Leachate levels in the lagoon are monitored weekly and a freeboard of 0.5m is maintained.

The Scada/Telemetry System became operational on site in March 2010. This system records the following

- Levels of landfill Leachate in the Leachate lagoon
- Levels of Leachate in up to 22 points in the landfill including Leachate monitoring boreholes, gas monitoring wells and Leachate pumping chambers.
- Levels and flow rates in each of the three surface water lagoons.
- Water quality analysis at the outlet at each of the three surface water lagoons.

Additional data is available in the following appendices

- Details of volumes of Leachate removed from site are given in **Appendix 6 - Quantities and Composition of Waste**.
- Details of the monitoring locations are enclosed in **Appendix 3 - Monitoring location reference drawing DG 0001-01 (F05)**
- The Leachate Management Assessment Report is attached in **Appendix 7**

9. DEVELOPMENT WORKS

Proposed Development Works for 2011

Proposed Development Work for 2010	Commencement and Duration
Final gas extraction cell 9	First quarter of 2011
Final gas extraction cell 10a	Second quarter of 2011
Final Cap to cell 9	First quarter of 2011
Final Cap to cell 10a	Second quarter of 2011
Scada on cell 9	Second quarter of 2011
Scada on cell 10a	Second quarter of 2011
Surface water management on cell 9	First quarter of 2011
Surface water management on cell 10a	Second quarter of 2011

10. REPORT ON RESTORATION OF COMPLETED CELLS/ PHASES

Cells 1-8 of the Landfill have been capped and restored as per waste licence W0078/02.

The filling of cell 9 was completed in November 2009. The final Cap to cell 9 will be complete in the first quarter of 2011.

There is currently an intermediate clay cap on the top of cell 9 with a Geohess material on the northern slope of same.

A floating cover was put on the wedge in March 2010 to reduce the volume of leachate produced on site.

The filling of cell 10a will be completed early in 2011 and it will be capped immediately.

11. SITE SURVEY SHOWING EXISTING LEVELS OF THE FACILITY AT THE END OF THE REPORTING PERIOD

Appendix 2 – The following two documents are available

- Topographical survey of Ballaghveny Landfill shows a survey of the site which was carried out in January 2011
- Proposed filling plan carried out in November 2009

12. ESTIMATED ANNUAL AND CUMULATIVE QUANTITIES OF LANDFILL GAS EMITTED FROM THE FACILITY

Gas Generation Estimates using GasSIM

Landfill gas generation at Ballaghveny Landfill was modelled using GasSim Version 2.0. Total bulk landfill gas generated in 2010 was estimated to be 315m³/hr as shown in Figure 1. This equated to 2,859,400m³ of landfill gas generated at the landfill in 2010 as estimated by GasSim.

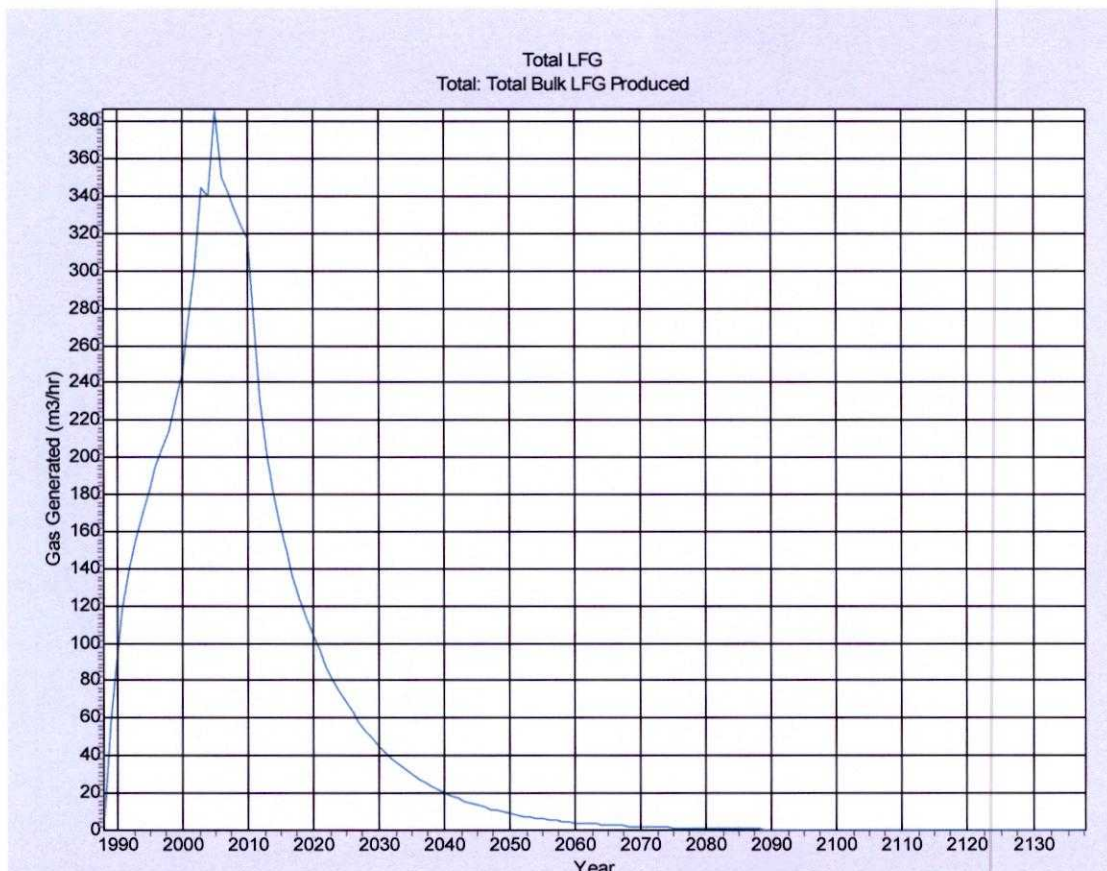


Figure 1 Total Bulk Landfill Generation as estimated by GasSim

Figure 1 above shows a rapid decline in landfill gas generation from 2011 onwards. This is to reflect the temporary closure of Ballaghveny Landfill in February 2011. The GasSim model and resulting graph in Figure 1 assumes that no more waste will be landfilled at the facility following this date. Should this scenario change, the GasSim model will be updated to reflect this accordingly, and reported to the Agency.

The projected gas generation rate for 2011 is approximately 295m³/hr based on the GasSim Model.

In 2011 a Temporary Closure Plan will be submitted to the Agency. This will demonstrate any gas changes and variations on site.

Gas Collection and Flaring

The Landfill gas flare which was originally installed in 2002 was recommissioned in June 2008. The flare has a maximum capacity of 500m³/hr. Landfill gas is now collected in 28 vertical wells throughout the landfill and directed to the gas flare.

13. MONTHLY WATER BALANCE CALCULATION AND INTERPRETATION

A revised water balance calculation was carried out in March 2011 in accordance with Section 7.2 of the EPA Manual Landfill Site Design. See **Appendix 8** attached. The estimated Leachate generation figure for 2010 was 24,780m³. As referred to in Section 8 above, the actual quantity of Leachate tankered from the Landfill in 2010 was 17,203m³.

14. PROCEDURES

Lists of procedures developed to date are outlined below.

A comprehensive report under this heading can be seen in the Environmental Management Plan (EMP) for Ballaghveny Landfill for 2009/2010.

1. Awareness and Training Procedure
2. Communications Procedure
3. Corrective Action Procedure
4. Emergency Response Procedure
5. Environmental Incident Procedure
6. Fire Control Procedure
7. Leachate Monitoring Procedure
8. Leachate Handling Procedure
9. Waste Acceptance Procedure
10. Operation of the Facility in Adverse Wind Conditions
11. Vermin and Fly Infestation Programme
12. Procedure for CCTV at the facility
13. Procedure for the Landfilling of waste
14. Procedure for erecting Litter Netting
15. Procedure for litter picking on local roads
16. Site Safety Rules
17. Procedure for using the lawnmower
18. Weigh in/out procedure for customers using the weighbridge
19. Weigh in/out procedure for fixed charge customers
20. Procedure for collecting Cash at the Weighbridge
21. Procedure for Landfill Lodgements
22. Procedure for end of day closing at the Weighbridge/Cash Desk
23. Procedure for daily balance sheet
24. Procedure for daily transaction report
25. Procedure for setting up a new account

15. ENVIRONMENTAL OBJECTIVES AND TARGETS

A number of objectives and targets were outlined for 2010 in the AER for 2009. The following table shows the progress made on these objectives.

Status of Objectives and Targets for 2010 -

Objective and Target	Target date	Status
Capping of Cell 9	Dec 2010	Complete March 2011.
Surface water management system cell 9	Dec 2010	Complete March 2011.
Final gas management system cell 9	Dec 2010	Complete March 2011.
Scada system cell 9	Dec 2010	To be completed in April 2011
Floating cover on the wedge	June 2010	Complete April 2010
Expansion of the environmental procedures for the facility	Continuous	Currently have over twenty five procedures for the site.

Schedule of Environmental Objectives and Targets for 2011 -

Objective and Targets	Target date
Capping of Cell 9	Complete first quarter of 2011
Capping of Cell 9	Complete second quarter of 2011
Surface water management system for cell 9	Complete first quarter of 2011
Surface water management system for cell 10a	Complete second quarter of 2011
Final Gas Management system cell 9	Complete first quarter of 2011
Final Gas Management system cell 10a	Complete second quarter of 2011
Scada system cell 9	Complete second quarter of 2011
Scada system cell 10a	Complete second quarter of 2011
Temporary Closure of the Landfill Facility. Civic Amenity will open on Friday and Saturday only.	End of first quarter of 2011

16. TANK, PIPELINE AND BUND TESTING AND INSPECTION REPORT

A Diesel Bund was constructed during 2003 and was certified by Mr. Philip McGrath B.E on the 10th of June 2003. This bund was recertified on the 20th of June 2006 by Mr. Aidan Fahy of RPS. The bund was due for recertification in 2009. However, the Council has not been using the diesel tank and banded area for the last number of years. Also Schedule G of waste licence 0078/03 requires that an Annual Leachate Management Structures report be submitted, this is also included in **appendix 7**.

17. REPORTED INCIDENTS AND COMPLAINTS SUMMARIES

Complaints

There were no complaints received during 2010

Incidents

- **25th of August 2010**
 - The Agency wrote to the Council requesting information about an '*assessment of surface emissions and landfill gas management systems*' report carried out at Ballaghveny Landfill on 21/07/2010.

- **29th of October 2010**
 - The Agency notified the Council of non-compliances with IPC licence Register No. W0078-03 following an inspection of North Tipperary County Council on 28/10/2010.

All complaints and incidents are responded to as soon as possible and recorded. Corrective action, if considered necessary, is recorded and reported to the Agency. Details of all incidents, responses and corrective actions are maintained and available for inspection on site.

18. REVIEW OF NUISANCE CONTROLS

The site is inspected daily and weekly by the landfill management team and recorded on weekly site inspection report sheets. Litter picking is carried out on a daily basis and daily and weekly inspection sheets are maintained at the site office as required. Litter netting, 5m in height, has been erected around all active cells. In addition to the site inspection the landfill management team carries out regular inspections in the area surrounding the facility. Litter picking along roads leading to the landfill and surrounding fields is carried out as and when required.

Overhead CCTV cameras have been installed at the weighbridge to enable inspection of loads brought to the facility. The weighbridge operator inspects each load brought to the facility and ensures that they are covered with adequate netting.

In dry weather all haul roads are sprayed with water as and when required to mitigate airborne dust. There is a wheelwash at the facility through which all vehicles pass prior to leaving the site.

The bird control programme includes completion of a daily log of activities, detailing the methods employed and the effectiveness of those methods on a particular day. This register is maintained at the site office. The vermin and fly control register is also maintained at the site office. Both of these programmes have been very successful in controlling the activity of birds, vermin and flies at the facility.

Appendix 9 – Annual report for Bird Control

Appendix 10- Annual report for Vermin Control.

19. FINANCIAL PROVISIONS, STAFFING AND PUBLIC INFORMATION

Financial Provision

North Tipperary County Council has made the necessary provisions to ensure that there is adequate funding for the management, development and restoration of Ballaghveny landfill. An Environmental Liability Risk Assessment (ELRA) has been completed for the Facility and this is available for inspection at the site.

Section 53A reports have been returned to the Agency detailing Financial Provision for the site.

Temporary Closure Plan will highlight the financial provisions for the site going forward.

Staffing Structure of the Facility

Details of Management Structure

- North Tipperary County Council has overall responsibility for management and operation of the Ballaghveny landfill site.
- Senior Executive Engineer, Mr. Michael Woulfe, has overall responsibility for the management of the waste in North Tipperary.
- Executive Environmental Scientist, Ms. Olga Doyle is responsible for the day to day implementation of the waste licence for Ballaghveny landfill.
- Site Manager: Ms. Olga Doyle is responsible for the day-to-day management, monitoring and operation of the facility.
- Deputy site manager: Ms. Justine Haugh operates as an Environmental Technician at the facility and is in charge in the absence of the Landfill Manager.
- Site caretaker: Mr. Michael Haverty.
- Site general operatives: Mr. Tommy Collins and Mr. Ned Fitzpatrick.
- Contractors: 2 machine drivers.
- RPS Consulting engineers have been appointed to provide North Tipperary County Council with site engineering, infrastructure development and reporting assistance.

Public Information, Monitoring and Reporting Requirements

North Tipperary County Council submitted a Waste Licence Communications Programme to the Agency and this was approved by the Agency.

The following documentation may be viewed by the public at Ballaghveny Landfill, Ballymackey, Nenagh:

Public Information Documentation Index

- Complaints Register
- Weekly Inspection Reports
- Corrective Action Procedure
- Training Records

Environmental Monitoring Records

- Monthly Landfill gas composition
- Quarterly Surface water composition
- Weekly Surface water visual & odour inspections
- Weekly Leachate Levels
- Quarterly Leachate composition
- Quarterly Leachate visual & odour inspections
- Monthly Groundwater levels
- Quarterly Groundwater composition
- Quarterly Groundwater visual & odour inspections
- Quarterly report containing 5.1 to 5.9
- Annual Biological Assessment of Ballaghveny Stream
- Dust monitoring
- Noise Monitoring
- Ecological monitoring
- Cover stockpile monitoring
- Meteorological monitoring

Other Monitoring Activity

- Accident/First Aid Report Form
- Leachate Consignment Register.
- Fires Report.
- Waste Licence
- EIS for Landfill Extension Report
- Waste Acceptance/Rejection Records
- AER (Annual Environmental Report)
- Environmental Management Programme
- Management Structure
- Licence Requirement Action Plan
- Operational Procedures/ Forms
- Document Control
- Meetings with the Ballymackey Environmental Action Group.
- Calibration Register
- Contingency plans
- Waste Acceptance Procedures
- Maintenance Register
- Non-conformances
- Incident Reports
- Potential Fire Risk Assessment Report
- Once off reports to EPA
- Material Safety Data Sheets
- Topographical Surveys
- Integrity of tankers
- Conditioning plan
- Midlands waste management plan
- Visitors Logbook
- Plant Hire Logbook
- Dust Control Logbook
- Mud Control Logbook
- Waste Recovery Logbook
- Waste Inspection Logbook
- Litter picking Logbook
- Daily cover report Logbook
- Fly-spraying Logbook
- Bird Control Logs and Reports
- Rodent baiting records
- Internal County Council monthly reports.

The internal county council monitoring reports include details on environmental monitoring, waste types and quantities, expenditure, labour, plant hire, white goods register, visitors logbook, fly-spraying, dust and mud control, daily cover, weekly site inspection reports, daily cover, litter picking and complaints.

All copies of environmental data and prescribed reports obtained and prepared on behalf of the licensee are forwarded to the Agency. Copies of reports and correspondence are retained and available for inspection at Ballaghveny Landfill.

20. ANNUAL BUDGET AND FACILITY RUNNING COSTS

Revenue/Operational Codes 2010

Landfill Levy	Ref 05110010	= €473,667
Landfill Operational Costs	Ref 05110011	= €842,375
Ballymackey Community Group fund	Ref 05111012	= €30,000

Capital Codes 2010

Capping Contracts Cells 6-8	Ref 00511014	= €111,550
Telemetry Contract	Ref 00511015	= €42,602
Gas Infrastructure	Ref 00511016	= €66,809

Total Landfill Costs 2010 = €1,567,003

All further Budget assessments are available in the CRAMP

Appendix 1

Waste Sources Report for 2010

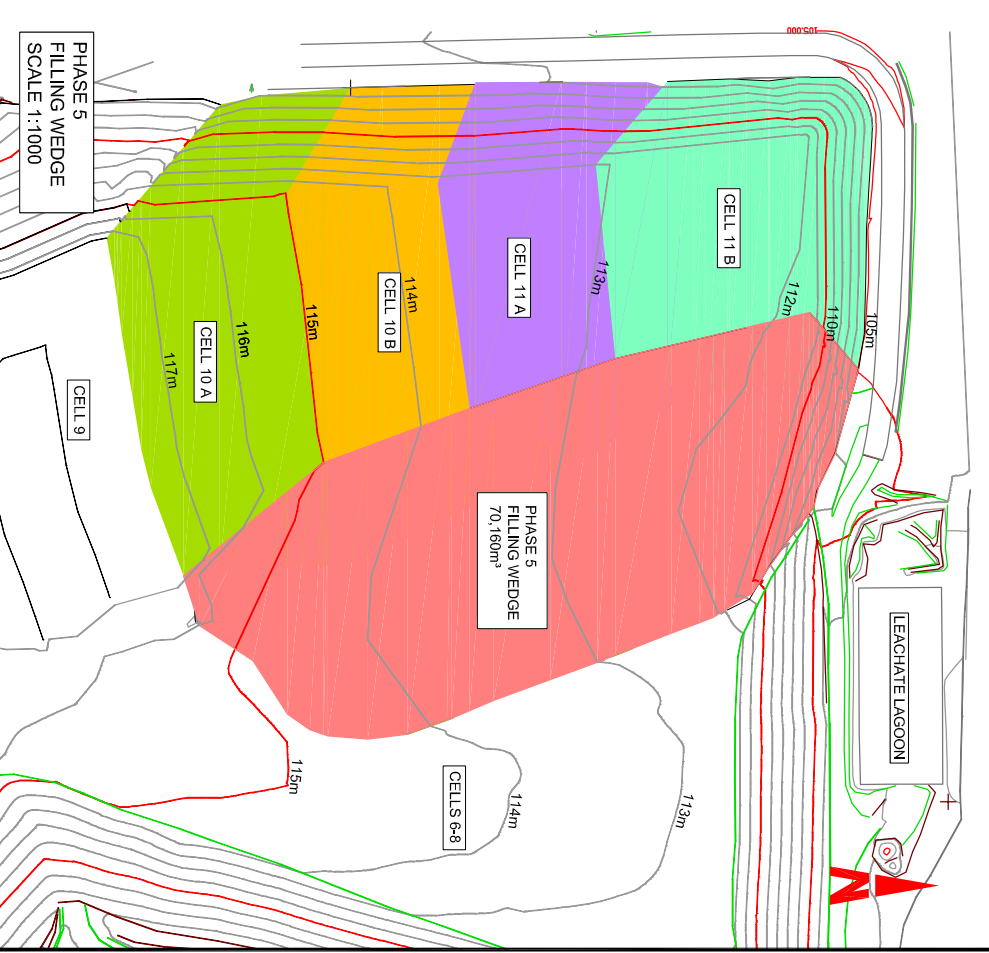
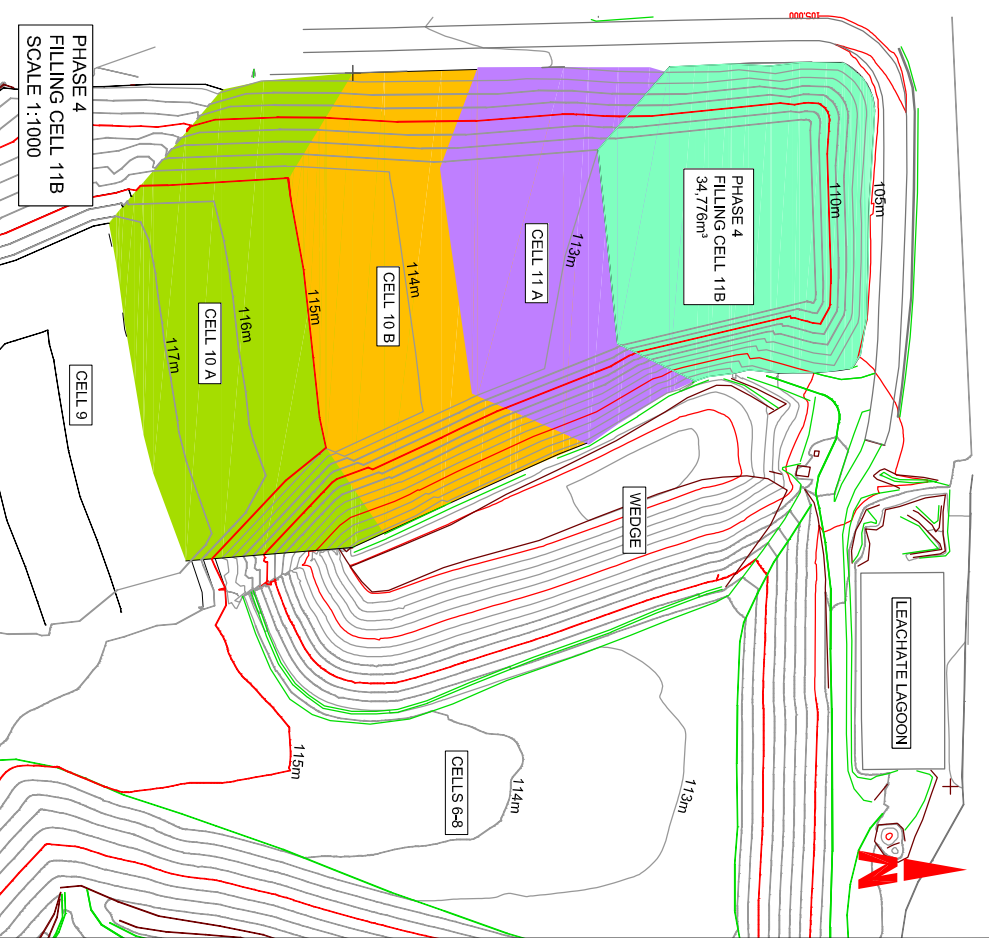
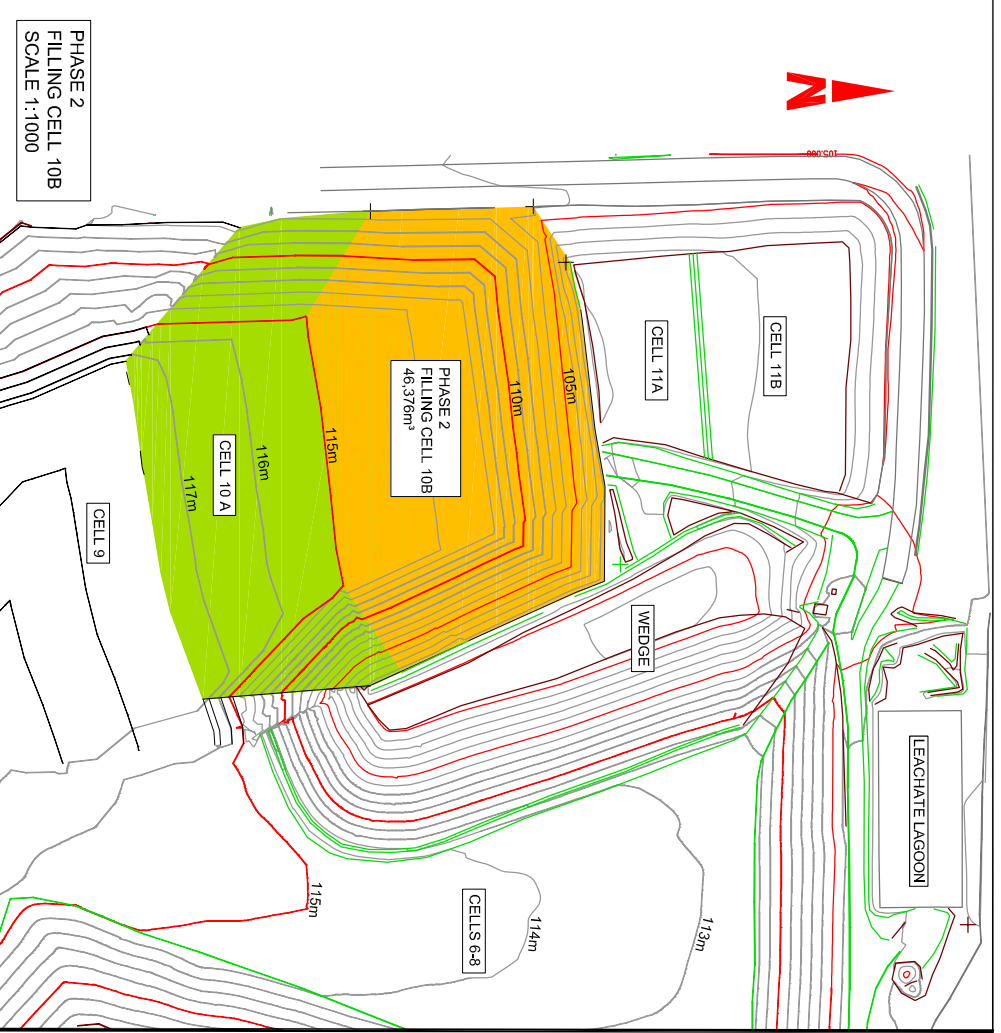
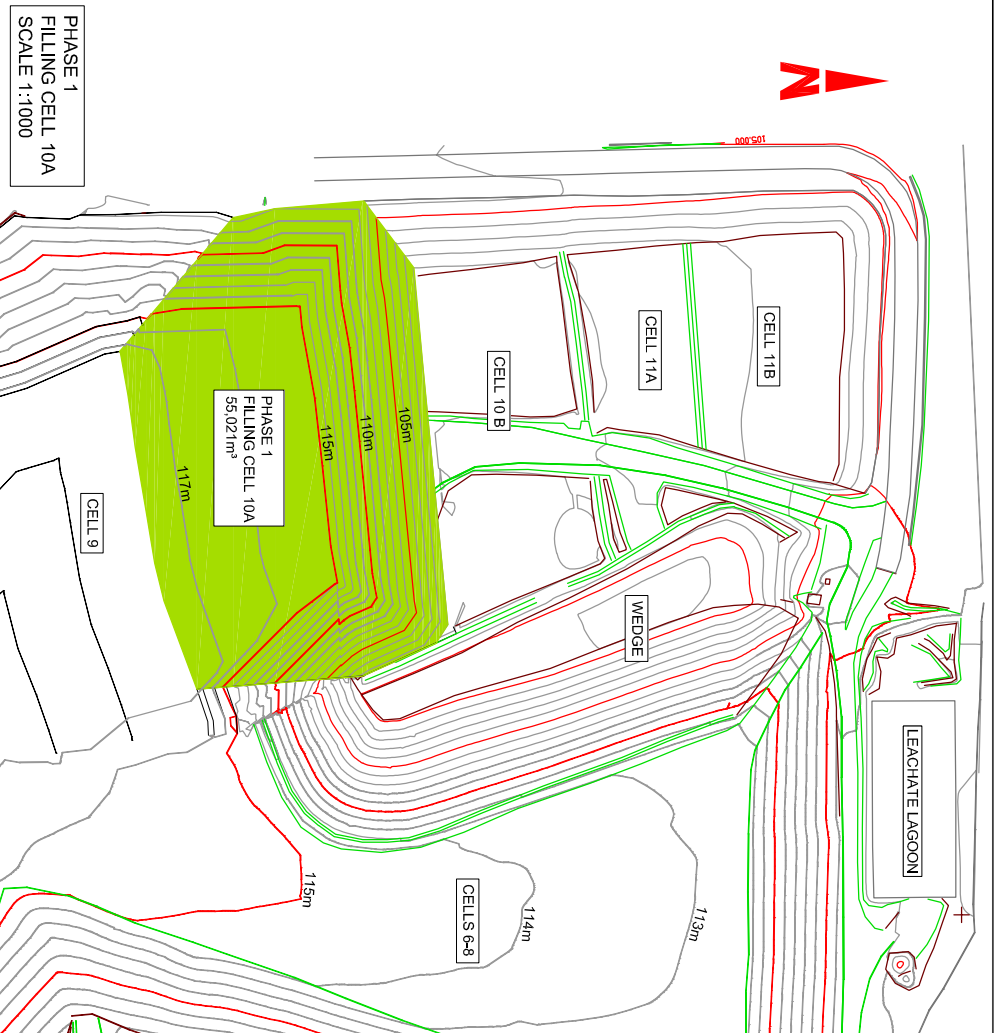
WASTE REPORT BY WASTE LOCATION 2010

<i>A - Landfill</i>	<i>Jan</i>	<i>Feb</i>	<i>Mar</i>	<i>Apr</i>	<i>May</i>	<i>Jun</i>	<i>Jul</i>	<i>Aug</i>	<i>Sep</i>	<i>Oct</i>	<i>Nov</i>	<i>Dec</i>	
Waste Type	Weight	Weight	Weight	Weight	Weight	Weight	Weight	Weight	Weight	Weight	Weight	Weight	
Commercial waste	250.7	190.48	202.98	132.08	207.84	151.26	96.94	56.4	21.1	44.46	165.72	582.72	2102.68
Local Authority Comm Waste								10.2	20.22	18.82	33.76	11.66	94.66
Domestic	882.68	790.3	931.18	932.94	828.78	811.9	749.16	860.04	799.44	854.88	1162.44	1817.36	11421.1
Organic Domestic										90.62			90.62
Commercial Recycling													
Local Authority Screenings									2.48			1.22	3.7
Industrial sludge/Leachate													
Sewage sludge													
Road sweepings	47.82	35.34	46.14	50.94	85.9	45.48	32.82	26.08	42.44	31.76	49.9	36.06	530.68
Illegal refuse	7.48	37.24	7.94	42.3	81.98	55.62	6.22	37.14	21.8	35.58	67.02	9.9	410.22
Water sludge													
Reception skip	219.98	202.98	210.38	244.56	219.46	201	164.94	175.82	157.14	183.62	169.28	141.08	2290.24
Industrial waste		3.86											3.86
Sand Gravel	0.7	1.74	0.94	1	0.66	2.02	1.88	0.72		8.9	7.62		26.18
construction/demolition	5.26	4.98	4.48	6.44	2.6	3.78	2.32						29.86
Total	1414.62	1266.92	1404.04	1410.26	1427.22	1271.06	1054.28	1166.4	1064.62	1268.64	1655.74	2600.00	17003.8
<i>B - Civic amenity</i>													
Waste Type													
Commercial waste	25.08	25.4	25.36	25.04	27.04	28.3	22.88	14.08	15.16	14.38	11.8	9.1	
Illegal refuse	2.34	3.34	2.36	8.62	2.9	2.04	3.26	2.68	1.54	1.92	1.82	1.1	
Domestic	140.48	138.66	142.198	169.36	155.46	167.44	144.48	117.76	103.2	130.1	104.98	82.94	
Local Authority Comm Waste									0.5	0.52	0.58	0.62	
Farm plastics													
Christmas trees	3.36		2.7										
Leachate													
Tyres													
Total	171.26	167.4	172.618	203.02	185.4	197.78	170.62	134.52	120.4	146.92	119.18	93.76	1882.878
Recycling (out)													
Scrap metal	2.78	3.64	3.98	7.04	3.72	6.86	6.54	2.86	3.1	3.86	3.74	3.74	51.86
Biowaste							2.94	1.76	2.4	2.54		3.92	
Plastic	0.9	0.7	0.26	0.68	0.44	0.58	0.44	0.52	0.6	0.9	0.48	0.34	6.84
Cardboard	8.12	2.26	7.94	3.22	6.46	7.06	7.6	4.8	3.3	3.28	7.52	2.92	64.48
Newspaper & Mags													
Batteries													
Cans	0.2												
Bottle Bank		2.44	1.8		2.38	2.06	0.06	1.74	2.14		1.96		14.58

Fridge/Freezers	4.14		3.48		3.38		3.38		3.42	4.12		3.9	
Flat Glass													
WEEE	3.94	2.3	2.9	1.38	3.28	1.56	3.82	1.92		1.8		1.78	24.68
Flourescent bulbs													
Gas cylinder	0.16						0.08			0.12			
Tyres													
Clothes bank	0.34	0.2	0.22	0.38	0.26	0.3	0.4	0.52	0.22	0.24	0.22	0.12	3.42
Waste Oil/Fuel													
Christmas trees													
Total	20.58	11.54	20.58	12.7	19.92	18.42	25.26	14.12	15.18	16.86	13.92	16.72	205.8
Total Civic Amenity in/out													
<u>C - Site Material</u>								134.7	194.02			300.08	
<u>D - Leachate (out)</u>	1689.2	3658.86	3370.16	2750.28	467.9	497.88	414.16	253.34	1948.12	600.4	1141.38	411.5	17203.18
Totals A/B/C/D (IN/OUT)													0.00
Landfill Levy Payable	33840.5	35730	40428	39252	37693.2	35037.6	30359.4	33015	29965.2	35981.4	46110	76588.2	474000.50
VAT									3961.39	4779.16			
Total Payable									33926.6	40760.56	46110		

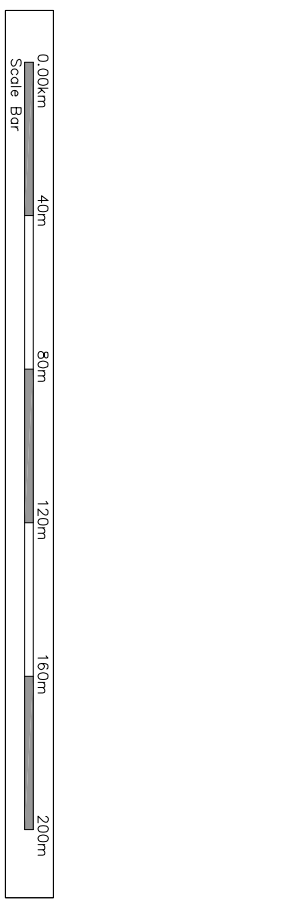
Appendix 2

Topographical Survey & Proposed Filling Plan



Ballaghveny Landfill - Remaining Capacity and Filling Life (from November 2009)

Floor Plan Area (m ²)	Filling Capacity (m ³)	Filling @ 30,000tpa			Filling @ 18,000tpa		
		0.7 t/m ³ Comp. Rate	0.7 t/m ³ Comp. Rate	0.7 t/m ³ Comp. Rate	0.7 t/m ³ Comp. Rate	0.7 t/m ³ Comp. Rate	0.7 t/m ³ Comp. Rate
Cell 10 A	4,325	55,011	38,058	41,908	16.7	26.0	27.9
Cell 10 B	3,197	46,376	32,927	35,246	13.2	14.1	22.0
Cell 11 A	2,892	30,441	21,613	23,135	8.6	9.3	14.4
Cell 11 B	3,536	34,776	24,630	26,430	9.9	10.6	17.8
Wedge	2,345	70,160	49,814	53,322	19.9	21.3	35.5
Total	17,005	236,764	158,102	179,941	67	72	120
		Total Years remaining	5.8	6.0	8.0	9.3	10.0



NOTES

- This drawing is the property of RPS Consulting Engineers. It is a confidential document and must not be copied, used or its content divulged without prior written consent.
- All levels refer to Ordnance Survey Datum, Malin Head, I.R.M. (oida) 85k.
- DO NOT SCALE. Use figured dimensions only.

No.	Date	Rev	Amendment / Issue	App.
A01	22/01/10	1	ISSUE FOR APPROVAL	W.M.
A02	09/02/10	2	REVISED FILLING SEQUENCE	W.M.
A03	22/01/10	3	ISSUE FOR APPROVAL	W.M.

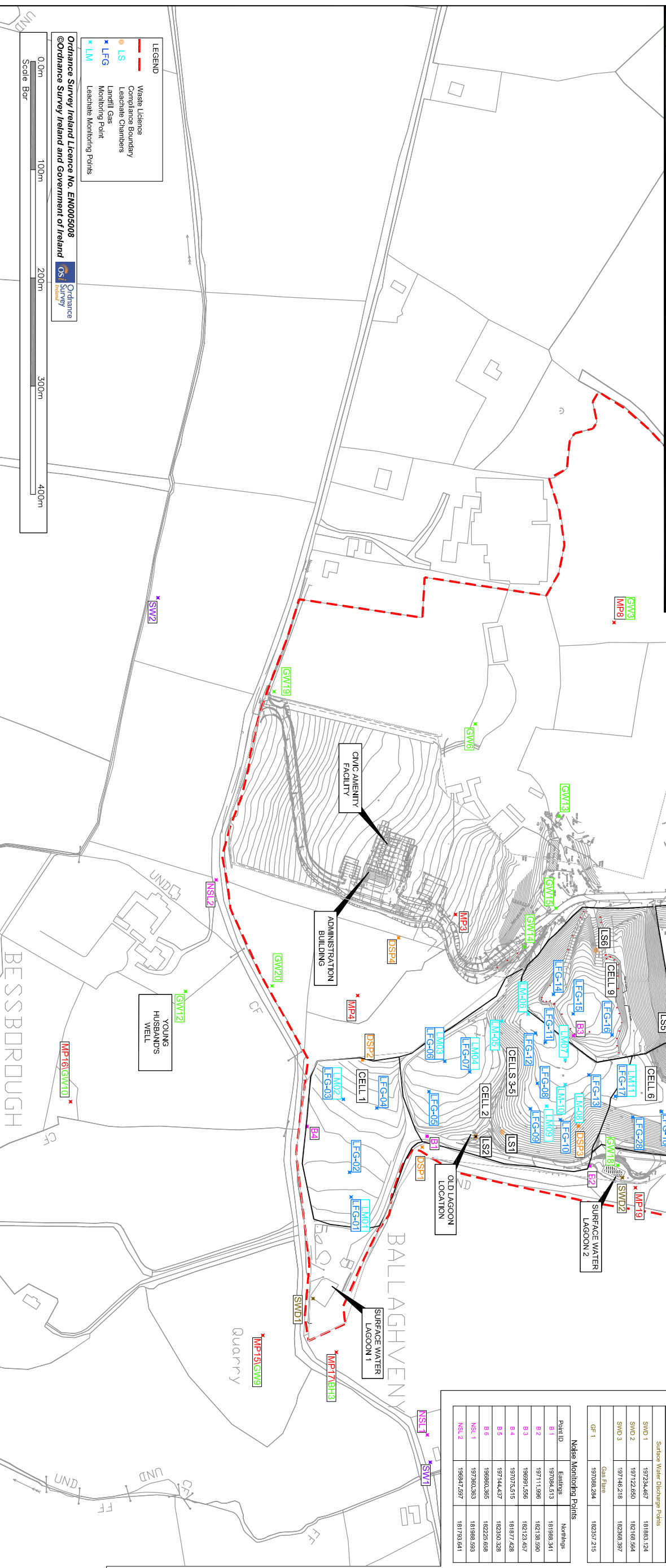
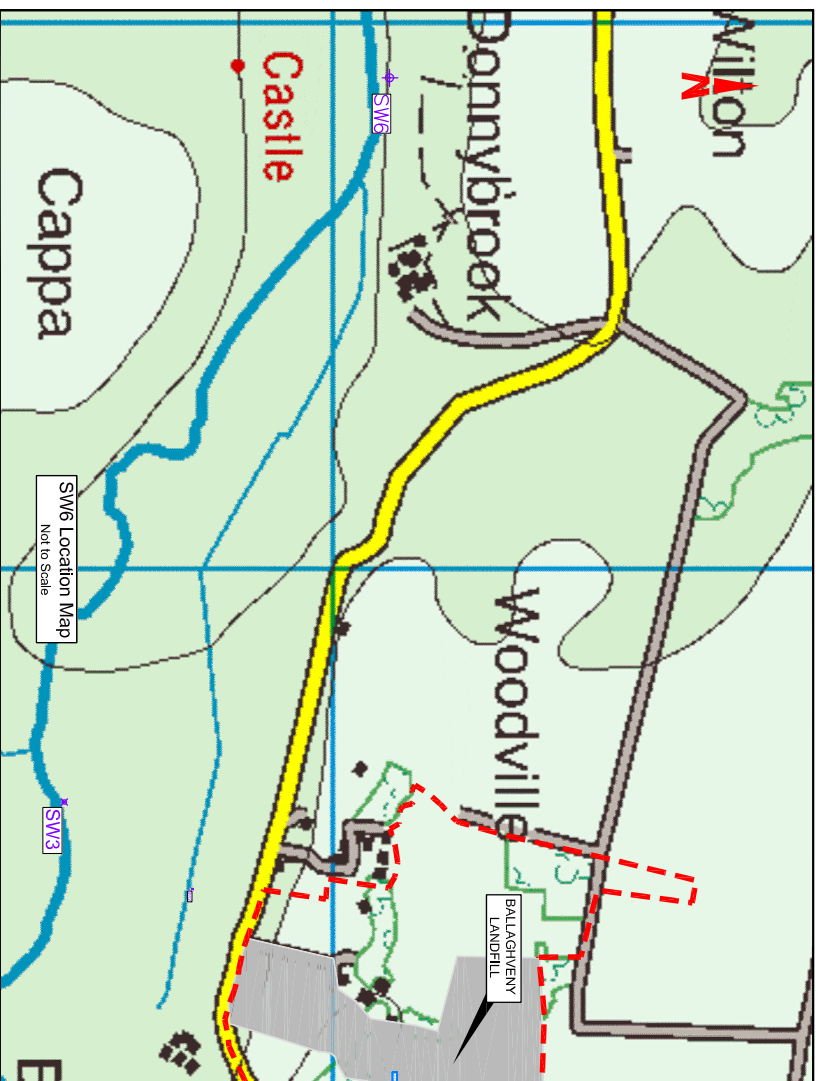
Project: BALLAGHVENY LANDFILL- WASTE LICENCE COMPLIANCE

Title: **PROPOSED FILLING PLAN**

Drawn by: W.L. Job No: MGE0001
Checked by: K.G. File No: MGE0001DG0171
Approved by: W.M. Drg. No: DG0171
Scale: 1:1000 @ A1
Date: Jan '10 Rev: A02

Appendix 3

Monitoring Location Reference Map



LEGEND

- Waste Licence
- Compliance Boundary
- LS Landfill Gas
- LFG Landfill Gas
- Monitoring Point
- Leachate Monitoring Points

Ordnance Survey Ireland Licence No. EN0005008
©Ordnance Survey Ireland and Government of Ireland

Scale Bar: 0.0m, 100m, 200m, 300m, 400m

RPS Consulting Engineers
RPS Consulting Engineers, Lyr Building, 10A Business & Technology Park, Mervue, Galway, Ireland.
T: +353 91 534100 - F: +353 91 534199
E: ireland@rpsgroup.ie W: www.rpsgroup.com/ireland

NOTES

- This drawing is the property of RPS Consulting Engineers. It is a confidential document and must not be copied, used or its content divulged without prior written consent.
- All Levels refer to Ordnance Survey Datum, Mean Sea Level, unless stated.
- DO NOT SCALE, use figured dimensions only, if in doubt ask.

No.	Date	Amendment / Issue	App.
F05	12.12.10	Updated following NTCOC check	D.C.

Project: BALLAGHVENY LANDFILL-WASTE LICENCE COMPLIANCE

Title: Monitoring Location Reference Drawing

Drawn by:	J.DB.	Job No:	060504001
Checked by:	D.C.	File No:	060504007DG0001
Approved by:	W.M.	Dwg. No.:	DG0001-01
Scale:	1:2000 @ A1	Rev:	F05
Date:	Apr. 2002		

Leachate Monitoring Points

Point ID	Eastings	Northings
LM01	19740.606	18191.350
LM02	197050.312	181911.121
LM03	197015.242	182004.649
LM04	197024.950	182027.611
LM05	196978.124	182097.755
LM06	197037.747	182111.874
LM07	197013.849	182115.719
LM08	197044.047	182131.719
LM09	197056.659	182098.900
LM10	197037.690	182115.585
LM11	197047.571	182162.104
LM12	197061.719	182204.740
LM13	197054.336	182246.931
LM14	197068.670	182261.689
LM15	197068.583	182295.163
LM16	197068.721	182313.868
LM18	197077.866	182387.780

Surface Water Monitoring Points

Point ID	Eastings	Northings
SW1	197385.676	181991.260
SW2	196956.950	181739.935
SW3	196427.752	181505.657
SW4	197291.036	182493.311
SW 6	195103.271	182100.095

Leachate Lagoon

Point ID	Eastings	Northings
SW4	197037.747	182111.874
SW5	197037.747	182111.874
SW6	197037.747	182111.874
SW7	197037.747	182111.874
SW8	197037.747	182111.874
SW9	197037.747	182111.874
SW10	197037.747	182111.874
SW11	197037.747	182111.874
SW12	197037.747	182111.874
SW13	197037.747	182111.874
SW14	197037.747	182111.874
SW15	197037.747	182111.874
SW16	197037.747	182111.874
SW17	197037.747	182111.874
SW18	197037.747	182111.874
SW19	197037.747	182111.874
SW20	197037.747	182111.874

Landfill Gas Monitoring Points (within waste)

Point ID	Eastings	Northings
FG01	197146.656	181918.480
FG02	197117.795	181916.773
FG03	197058.312	181911.121
FG04	197058.329	181941.927
FG05	197043.257	181992.078
FG06	197015.242	182280.865
FG07	197024.650	182267.611
FG08	197035.571	182090.076
FG09	197059.028	182083.696
FG10	197089.260	182111.313
FG11	196997.559	182097.446
FG12	196989.311	182088.307
FG13	197027.640	182197.666
FG14	196953.317	182104.936
FG15	197146.218	182348.397
FG16	196971.380	182123.157
FG17	197047.571	182162.104
FG18	196968.803	182199.005
FG19	197041.719	182204.740
FG19	197044.326	182246.931
FG20	197064.670	182261.689
FG21	197042.324	182210.586
FG22	197032.371	182302.594
FG23	197078.583	182285.163
FG24	197094.316	182289.223
FG25	197068.721	182313.868
FG26	197068.961	182294.280
FG27	197068.065	182229.364
FG28	197068.804	182178.029

Emission Monitoring Points

Point ID	Eastings	Northings
SWD 1	197234.467	181883.124
SWD 2	197122.650	182168.654
SWD 3	197146.218	182348.397
GF 1	197088.284	182357.215

Noble Monitoring Points

Point ID	Eastings	Northings
B 1	197084.513	181988.341
B 2	197111.986	182138.590
B 3	196991.456	182123.457
B 4	197075.515	181877.428
B 5	197144.437	182350.326
B 6	196980.385	182225.658
NS 1	197300.263	181888.933
NS 2	196947.697	181793.641

Groundwater Monitoring Points

Point ID	Eastings	Northings
GW 3	196909.838	182160.823
GW 5	196931.085	182341.539
GW 6 (TAP)	196703.514	182032.840
GW 9	197268.383	181836.676
GW 10	197052.532	181659.296
GW 12	196950.643	181765.964
BH 3	197284.017	181904.505
GW 13	196788.787	182110.341
GW 14	196909.469	182078.199
GW 15	196873.722	182107.296
GW 16	196933.846	182315.736
GW 17	197161.378	182352.301
GW 18	197111.278	182164.286
GW 19	196973.688	181847.138
GW 20	196945.542	181845.270

Dust Monitoring Points

Point ID	Eastings	Northings
DSR 1	197084.524	181983.811
DSR 2	197014.042	181928.817
DSR 3	197075.161	182128.069
DSR 4	196901.028	181962.034

Appendix 4

Quarterly Monitoring Reference Documents

Mr. Michael Woulfe,
Senior Executive Engineer,
Environment Section,
North Tipperary Co.
Council
Civic Offices,
Limerick Road,
Nenagh,
Co. Tipperary.
21st June 2010
Our ref: WM/122/LF/R7

Ms. Mary Frances Rochford,
Waste Licence Inspector,
EPA Regional Inspectorate,
Seville Lodge,
Callan Road,
Kilkenny.

REF: Waste Licence 0078 –02, Ballaghveny Landfill – Environmental Monitoring Data
and Interpretation. Quarterly report one of 2010.

Dear Ms. Rochford,

I am corresponding with you in regard to Schedule C & E of waste licence 0078/02

- Groundwater composition, groundwater levels and groundwater visual inspections.
- Surface water inspections and surface water composition.
- Leachate levels, leachate composition and leachate visual inspections.
- Landfill gas composition and landfill gas migration monitoring.

Please find attached detailed reports on the groundwater composition, surface water composition and Leachate composition as listed in Waste Licence 0078-02. The samples were taken and tested by the EPA Regional Laboratory in Kilkenny.

Please also find attached detailed reports on groundwater levels and groundwater visual inspections, leachate levels, surface water visual inspections, landfill gas composition and landfill gas migration monitoring. Please find attached an interpretation of the above environmental data.

Yours sincerely

Michael Woulfe
Senior Executive Engineer,
Environment

Introduction

This is the quarterly report for January, February & March 2010. The quarterly monitoring is done by the EPA, Seville Lodge, Kilkenny except for monthly gas monitoring, weekly surface water inspections, weekly leachate levels and the monthly groundwater levels which are carried out by the Landfill Technical Team.

The results of analysis carried out are compared to strict water standards, as there are no set limits for leachate, surface water and groundwater for Landfill Sites.

Any exceedances to these strict water standards are highlighted in bold in the tables below.

1. Leachate

(A) Leachate composition (See appendix 1)

There are nine purpose installed leachate extraction wells in cells 1-5.

·
Samples were taken from LM05, LFG 12, LFG 21 and LFG 22, boreholes LM07, LM 08 and LM09 were dry and there was no access to LM 1 and LM 3 on the day of sampling on the 24 & 25/02/2010 and analysis results were received by the Local Authority on the 28/05/2010. Additionally one routine leachate sample was taken from the Leachate lagoon. This lagoon services cells 1 to 10 inclusive.

Waste is currently being filled in cell 10.

The analysis results were compared to Irish Water Quality Standards as there is no set standard for leachate samples.

Table 1.0 shows a comparison of leachate composition to Surface Water Abstraction Standards (Irish Standards SI No. 294 of 1989).

Any exceedances are highlighted in bold.

Results for the 24 & 25/02/2010

Parameters	Irish standard SI No. 294 of 1989	Leachate Lagoon LL2	LM05	LM09	LFG12	LFG21	LFG22
BOD	5	>1480	1060	-	129	350	>105
COD	None listed	2660	81.0	-	1080	3210	1975

As can be expected the

- BOD has exceeded the limits set by SI No. 294 of 1989.
- COD is high

The test results for the leachate boreholes and lagoons are higher than the surface water abstraction standards. This is the case for all landfill sites.

LM07, LM 08 and LM09 were dry on the day of sampling.

There was no access to LM01 and LM 03 on the day of sampling.

(B) Leachate Levels (See appendix 2)

Leachate levels in cells 1 – 5 inclusive are remaining static or reducing.

This is due to the fact that these cells have now been capped. There is a gravity flow system in operation draining the remaining leachate from these cells. This leachate is then pumped into the main leachate lagoon for transport to the Nenagh WWTP.

LL2 maintained a freeboard of 1m as per license conditions.

Leachate levels are being monitored since April 2010 via Scada in cells 1-9 inclusive.

(C) Conclusion

The leachate samples appear to be normal for a Landfill Site. The leachate levels are reducing and will continue to reduce to the specified license conditions over the next quarter with the aid of the gravity flow system and the permanent capping of completed cells 1-8.

Temperature

All monitoring stations are within the limits.

% Saturation

All monitoring stations are within the limits

Conductivity & pH

All conductivity and pH results were within the limits set in table 2 above.

BOD

All monitoring stations are within the limits.

Ammonia

SW 1 is the only monitoring point showing an exceedance of the limit for this quarter but it is within the limits set by *Irish Salmonid Standards SI No. 293 of 1988*. SW 1 is located in a boggy area which could have an impact on the ammonia.

Chlorides

All monitoring stations are within the limits.

Suspended Solids

All monitoring stations are within the limits.

% Saturation

All monitoring stations are within the limits

(B) Surface water Visual Inspection (See appendix 4)

The weekly surface water visual inspections show that the Ballaghveny Stream appears uncontaminated by landfill leachate.

(C) Conclusion

The surface water results show that the Ballaghveny Stream and the Ollatrim River are unpolluted by leachate.

3. Groundwater

(A) Groundwater composition (see appendix 5)

The groundwater sample results were compared with drinking water standards (EU Directive 80/778/EEC and S.I. No. 81 of 1988 – see appendix 10)

Table 3.0 shows a comparison of groundwater composition to Drinking water standards (Irish Standards SI No. 439 of 2000). All values marked in bold are exceedances to the set directive limits

Results of samples taken 24 & 25/02/2010

	Irish Standard SI No. 439 of 2000	GW5	GW9	GW10	GW12	BH3
<i>Parameters</i>						
Temperature °C	25	9.0	9.7	9.0	7.8	8.9
Dissolved Oxygen % Saturation	-	20	30	74	84	36
PH	6.5-9.5	7.0	7.0	7.1	7.1	7.0
αS/cm	2500	730	1177	928	808	1030
BOD	-					
COD	-					
Ammonia Mg/l – N	0.2333	0.85	6.7	0.11	0.08	0.07
Chloride mg/l Cl	250	14	92	30	41	43
Sulphate mg/l SO ₄	-	25	27	19	12	20

Summary of table

Results from the 24 & 25/02/10 show that GW5 and GW9 have elevated ammonia readings. These elevated readings are consistent with previous monitoring results for these stations. Groundwater flow within the landfill is in a southerly direction towards the Ollatrim River.

GW 5 is to the west of the landfill so it is unlikely that the landfill is impacting on the groundwater quality of this monitoring point. GW 5 is surrounded by boggy land that is naturally high in ammonia.

GW 9 is located in an old quarry which could have an impact on ammonia levels.

All other groundwater monitoring points meet the drinking water standards which far exceeds any limits set for raw groundwater

(B) Groundwater Levels (see appendix 6)

The groundwater levels appear to be normal.

(C) Quarterly groundwater visual inspection (see appendix 7)

The quarterly groundwater visual inspection showed all samples had no visible or nasal evidence of leachate contamination.

4. Landfill Gas Monitoring (see appendix 8)

Routine gas monitoring carried out on gas vents drilled into the waste bodies showed that the gas vents are working well with a variance in the rates of methane production. All boreholes had readings within licence limits for the specified monitoring dates.

The gas flare was operating continuously for this quarter.

Mr. Michael Woulfe,
Senior Executive Engineer,
Environment Section,
North Tipperary Co.
Council
Civic Offices,
Limerick Road,
Nenagh,
Co. Tipperary.
17th September 2010
Our ref: WM/122/LF/R7

Ms. Mary Frances Rochford,
Waste Licence Inspector,
EPA Regional Inspectorate,
Seville Lodge,
Callan Road,
Kilkenny.

REF: Waste Licence 0078 –03, Ballaghveny Landfill – Environmental Monitoring Data
and Interpretation. Quarterly report two of 2010.

Dear Ms. Rochford,

I am corresponding with you in regard to Schedule C & E of waste licence 0078/03

- Groundwater composition, groundwater levels and groundwater visual inspections.
- Surface water inspections and surface water composition.
- Leachate levels, leachate composition and leachate visual inspections.
- Landfill gas composition and landfill gas migration monitoring.

Please find attached detailed reports on the groundwater composition, surface water composition and Leachate composition as listed in Waste Licence 0078-03. The samples were taken and tested by the EPA Regional Laboratory in Kilkenny.

Please also find attached detailed reports on groundwater levels and groundwater visual inspections, leachate levels, surface water visual inspections, landfill gas composition and landfill gas migration monitoring. Please find attached an interpretation of the above environmental data.

Yours sincerely

Michael Woulfe
Senior Executive Engineer,
Environment

Introduction

This is the quarterly report for April, May & June 2010. The quarterly monitoring is done by the EPA, Seville Lodge, Kilkenny except for monthly gas monitoring, weekly surface water inspections and the monthly groundwater levels which are carried out by the Landfill Technical Team.

The results of analysis carried out are compared to strict water standards, as there are no set limits for leachate, surface water and groundwater for Landfill Sites.

Any exceedances to these strict water standards are highlighted in bold in the tables below.

1. Leachate

(A) Leachate composition (See appendix 1)

There are nine purpose installed leachate extraction wells in cells 1-5.

Samples were taken from LM05, LFG 21 and LFG 22, boreholes LM07, LM 08 and LM09 were dry and there was no access to LM 1 and LM 3 on the day of sampling on the 25/05/2010 and analysis results were received by the Local Authority on the 8/09/2010. Additionally one routine leachate sample was taken from the Leachate lagoon. This lagoon services cells 1 to 10 inclusive.

Waste is currently being filled in cell 10.

The analysis results were compared to Irish Water Quality Standards as there is no set standard for leachate samples.

Table 1.0 shows a comparison of leachate composition to Surface Water Abstraction Standards (Irish Standards SI No. 294 of 1989).

Any exceedances are highlighted in bold.

Results for the 25/05/2010

Parameters	Irish standard SI No. 294 of 1989	Leachate Lagoon LL2	LM05	LM09	LFG21	LFG22
BOD	5	315	96.0	-	1095	330
COD	None listed	1120	1486	-	4305	4270

As can be expected the

- BOD has exceeded the limits set by SI No. 294 of 1989.
- COD is high

The test results for the leachate boreholes and lagoons are higher than the surface water abstraction standards. This is the case for all landfill sites.

The test results for LM05 indicate that the waste is older and the biological processes are in decline.

LM07, LM 08 and LM09 were dry on the day of sampling.

There was no access to LM01 and LM 03 on the day of sampling.

(B) Leachate Levels (See appendix 2)

Leachate levels are being monitored since April 2010 via Scada in cells 1-9 inclusive. Negative levels were recorded during this quarter but this issue was resolved in August 2010 by Kilderry Instruments, the company who installed the system.

Leachate levels in cells 1 – 5 inclusive are remaining static or reducing.

This is due to the fact that these cells have now been capped. There is a gravity flow system in operation draining the remaining leachate from these cells. This leachate is then pumped into the main leachate lagoon for transport to the Nenagh WWTP.

LL2 maintained a freeboard of 1m as per license conditions.

(C) Conclusion

The leachate samples appear to be normal for a Landfill Site. The leachate levels are reducing and will continue to reduce to the specified license conditions over the next quarter with the aid of the gravity flow system and the permanent capping of completed cells 1-8.

Temperature

All monitoring stations are within the limits.

% Saturation

All monitoring stations are within the limits

Conductivity & pH

All conductivity and pH results were within the limits set in table 2 above.

BOD

SW 4 is the only monitoring point showing an exceedance of the limit for this quarter. There was a lot of debris & growth in the watercourse on the day of sampling which would result in a high BOD reading.

Ammonia

All monitoring stations are within the limits.

Chlorides

All monitoring stations are within the limits.

Suspended Solids

SW 4 is the only monitoring point showing an exceedance of the limit for this quarter. There was a lot of debris & growth in the watercourse on the day of sampling which would increase the suspended solids in the water.

% Saturation

All monitoring stations are within the limits

(B) Surface water Visual Inspection (See appendix 4)

The weekly surface water visual inspections show that the Ballaghveny Stream appears uncontaminated by landfill leachate.

(C) Conclusion

The surface water results show that the Ballaghveny Stream and the Ollatrim River are unpolluted by leachate.

3. Groundwater

(A) Groundwater composition (see appendix 5)

The groundwater sample results were compared with drinking water standards (EU Directive 80/778/EEC and S.I. No. 81 of 1988 – see appendix 10)

Table 3.0 shows a comparison of groundwater composition to Drinking water standards (Irish Standards SI No. 439 of 2000). All values marked in bold are exceedances to the set directive limits

Results of samples taken 25/05/2010

	Irish Standard SI No. 439 of 2000	GW9	GW10	GW12	BH3
<i>Parameters</i>					
Temperature °C	25	11.7	10.0	9.6	10.2
Dissolved Oxygen % Saturation	-	40	58	79	28
PH	6.5-9.5	7.0	7.1	7.3	6.8
∞S/cm	2500	1254	889	795	1053
BOD	-				
COD	-				
Ammonia Mg/l – N	0.2333	7.7	<0.01	<0.01	0.03
Chloride mg/l Cl	250	101	31	38	46
Fluoride mg/l F	1.0	0.35	0.13	0.05	0.07
Sulphate mg/l SO ₄	-	28	19	11	21

Summary of table

Results from the 25/05/10 show that GW9 has an elevated ammonia reading. This elevated reading is consistent with previous monitoring results for this station. Groundwater flow within the landfill is in a southerly direction towards the Ollatrim River.

GW 9 is located in an old quarry which could have an impact on ammonia levels.

All other groundwater monitoring points meet the drinking water standards which far exceeds any limits set for raw groundwater

(B) Groundwater Levels (see appendix 6)

The groundwater levels appear to be normal.

(C) Quarterly groundwater visual inspection (see appendix 7)

The quarterly groundwater visual inspection showed all samples had no visible or nasal evidence of leachate contamination.

4. Landfill Gas Monitoring (see appendix 8)

Routine gas monitoring carried out on gas vents drilled into the waste bodies showed that the gas vents are working well with a variance in the rates of methane production.

Perimeter well, MP17, exceeded CO₂ licence levels during May & June 2010 but this has returned to a level of 1.4% in August 2010. All other boreholes had readings within licence limits for this period.

The gas flare was operating continuously for this quarter.

Mr. Michael Woulfe,
Senior Executive Engineer,
Environment Section,
North Tipperary Co.
Council
Civic Offices,
Limerick Road,
Nenagh,
Co. Tipperary.
8th December 2010
Our ref: WM/122/LF/R7

Ms. Mary Frances Rochford,
Waste Licence Inspector,
EPA Regional Inspectorate,
Seville Lodge,
Callan Road,
Kilkenny.

REF: Waste Licence 0078 –03, Ballaghveny Landfill – Environmental Monitoring Data
and Interpretation. Quarterly report three of 2010.

Dear Ms. Rochford,

I am corresponding with you in regard to Schedule C & E of waste licence 0078/03

- Groundwater composition, groundwater levels and groundwater visual inspections.
- Surface water inspections and surface water composition.
- Leachate levels, leachate composition and leachate visual inspections.
- Landfill gas composition and landfill gas migration monitoring.

Please find attached detailed reports on the groundwater composition, surface water composition and Leachate composition as listed in Waste Licence 0078-03. The samples were taken and tested by the EPA Regional Laboratory in Kilkenny.

Please also find attached detailed reports on groundwater levels and groundwater visual inspections, leachate levels, surface water visual inspections, landfill gas composition and landfill gas migration monitoring. Please find attached an interpretation of the above environmental data.

Yours sincerely

Michael Woulfe
Senior Executive Engineer,

Environment

Introduction

This is the quarterly report for July, August & September 2010. The quarterly monitoring is done by the EPA, Seville Lodge, Kilkenny except for monthly gas monitoring, weekly surface water inspections and the monthly groundwater levels which are carried out by the Landfill Technical Team.

The results of analysis carried out are compared to strict water standards, as there are no set limits for leachate, surface water and groundwater for Landfill Sites.

Any exceedances to these strict water standards are highlighted in bold in the tables below.

1. Leachate

(A) Leachate composition (See appendix 1)

There are nine purpose installed leachate extraction wells in cells 1-5.

Samples were taken from LM05, LFG 21 and LS 3 which is a collection chamber for leachate from Cells 6 to 8 on 16/09/2010 and analysis results were received by the Local Authority on the 23/11/2010. Additionally one routine leachate sample was taken from the Leachate lagoon. This lagoon services cells 1 to 10 inclusive.

Waste is currently being filled in cell 10A.

The analysis results were compared to Irish Water Quality Standards as there is no set standard for leachate samples.

Table 1.0 shows a comparison of leachate composition to Surface Water Abstraction Standards (Irish Standards SI No. 294 of 1989). Any exceedances are highlighted in bold.

Results for the 16/09/2010

Parameters	Irish standard SI No. 294 of 1989	Leachate Lagoon LL2	LM05	LFG21	LS3
BOD	5	368	45	600	20
COD	None listed	1349	4872	4280	733
Conductivity	1000	6750	15000	28400	6270
pH	5.5 – 8.5	7.9	7.5	7.6	7.7

As can be expected the

- BOD & Conductivity has exceeded the limits set by SI No. 294 of 1989.
- COD is high

The test results for the leachate boreholes and lagoons are higher than the surface water abstraction standards. This is the case for all landfill sites.

The BOD results for LM05 indicate that the waste is older and the biological processes are in decline.

(B) Leachate Levels (See appendix 2)

Leachate levels are being monitored since April 2010 via Scada in cells 1-8 inclusive. Negative levels were recorded during this quarter but this issue was resolved in August 2010 by Kilderry Instruments, the company who installed the system.

Leachate levels in cells 1 – 5 inclusive are remaining static or reducing.

This is due to the fact that these cells have now been capped. There is a gravity flow system in operation draining the remaining leachate from these cells. This leachate is then pumped into the main leachate lagoon for transport to the Nenagh WWTP.

LL2 maintained a freeboard of 1m as per license conditions.

(C) Conclusion

The leachate samples appear to be normal for a Landfill Site. The leachate levels are reducing and will continue to reduce to the specified license conditions over the next quarter with the aid of the gravity flow system and the permanent capping of completed cells 1-8.

Temperature

All monitoring stations are within the limits.

% Saturation

All monitoring stations are within the limits

Conductivity & pH

All conductivity and pH results were within the limits set in table 2 above.

BOD

All monitoring stations are within the limits

Ammonia

All monitoring stations are within the limits.

Chlorides

All monitoring stations are within the limits.

Suspended Solids

All monitoring stations are within the limits.

% Saturation

All monitoring stations are within the limits

(B) Surface water Visual Inspection (See appendix 4)

The weekly surface water visual inspections show that the Ballaghveny Stream appears uncontaminated by landfill leachate.

(C) Conclusion

The surface water results show that the Ballaghveny Stream and the Ollatrim River are unpolluted by leachate.

3. Groundwater

(A) Groundwater composition (see appendix 5)

The groundwater sample results were compared with drinking water standards (EU Directive 80/778/EEC and S.I. No. 81 of 1988 – see appendix 10)

Table 3.0 shows a comparison of groundwater composition to Drinking water standards (Irish Standards SI No. 439 of 2000). All values marked in bold are exceedances to the set directive limits

Results of samples taken 16/09/2010

	Irish Standard SI No. 439 of 2000	GW5	GW9	GW10	GW12	BH3
<i>Parameters</i>				No Access		
Temperature °C	25	10.8	11.9		11.5	10.4
Dissolved Oxygen % Saturation	-	17	35		33	30
PH	6.5-9.5	6.8	7.0		7.2	7.0
∞S/cm	2500	741	1864		825	1068
BOD	-					
COD	-					
Ammonia Mg/l – N	0.2333	0.68	14		0.15	0.09
Chloride mg/l Cl	250	14	227		41	53
Fluoride mg/l F	1.0	0.06	0.28		0.05	0.23
Sulphate mg/l SO ₄	-	20	26		13	28

Summary of table

Results from the 16/09/10 show that GW5 and GW9 have an elevated ammonia reading. This elevated reading is consistent with previous monitoring results for these stations. Groundwater flow within the landfill is in a southerly direction towards the Ollatrim River.

GW 5 is to the west of the landfill so it is unlikely that the landfill is impacting on the groundwater quality of this monitoring point. GW 5 is surrounded by boggy land that is naturally high in ammonia.

GW 9 is located in an old quarry which could have an impact on ammonia levels.

All other groundwater monitoring points meet the drinking water standards which far exceeds any limits set for raw groundwater

(B) Groundwater Levels (see appendix 6)

The groundwater levels appear to be normal.

(C) Quarterly groundwater visual inspection (see appendix 7)

The quarterly groundwater visual inspection showed all samples had no visible or nasal evidence of leachate contamination.

4. Landfill Gas Monitoring (see appendix 8)

Routine gas monitoring carried out on gas vents drilled into the waste bodies showed that the gas vents are working well with a variance in the rates of methane production.

Perimeter well, MP17, exceeded CO₂ licence levels during September 2010 but had an acceptable level of 1.4% in August 2010. All other boreholes had readings within licence limits for this period.

The gas flare was operating continuously for this quarter.

Mr. Michael Woulfe,
Senior Executive Engineer,
Environment Section,
North Tipperary Co.
Council
Civic Offices,
Limerick Road,
Nenagh,
Co. Tipperary.
16th March 2011
Our ref: WM/122/LF/R7

Ms. Mary Frances Rochford,
Waste Licence Inspector,
EPA Regional Inspectorate,
Seville Lodge,
Callan Road,
Kilkenny.

REF: Waste Licence 0078 –03, Ballaghveny Landfill – Environmental Monitoring Data and Interpretation. Quarterly report four of 2010.

Dear Ms. Rochford,

I am corresponding with you in regard to Schedule C & E of waste licence 0078/03

- Groundwater composition, groundwater levels and groundwater visual inspections.
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- Leachate levels, leachate composition and leachate visual inspections.
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Please find attached detailed reports on the groundwater composition, surface water composition and Leachate composition as listed in Waste Licence 0078-03. The samples were taken and tested by the EPA Regional Laboratory in Kilkenny.

Please also find attached detailed reports on groundwater levels and groundwater visual inspections, leachate levels, surface water visual inspections, landfill gas composition and landfill gas migration monitoring. Please find attached an interpretation of the above environmental data.

Yours sincerely

Michael Woulfe
Senior Executive Engineer,

Environment

Introduction

This is the quarterly report for October, November & December 2010. The quarterly monitoring is done by the EPA, Seville Lodge, Kilkenny except for monthly gas monitoring, weekly surface water inspections and the monthly groundwater levels which are carried out by the Landfill Technical Team.

The results of analysis carried out are compared to strict water standards, as there are no set limits for leachate, surface water and groundwater for Landfill Sites.

Any exceedances to these strict water standards are highlighted in bold in the tables below.

1. Leachate

(A) Leachate composition (See appendix 1)

Samples were taken from boreholes LM05 & LFG 22, LS2 and LS3 which are collection chambers for leachate from Cells 3-5 & Cells 6-8 respectively on 23rd & 24th November 2010 and analysis results were received by the Local Authority on the 16th February 2011. Additionally one routine leachate sample was taken from the Leachate lagoon. This lagoon services cells 1 to 10 inclusive.

Waste is currently being filled in cell 10A.

The analysis results were compared to Irish Water Quality Standards as there is no set standard for leachate samples.

Table 1.0 shows a comparison of leachate composition to Surface Water Abstraction Standards (Irish Standards SI No. 294 of 1989).

Any exceedances are highlighted in bold.

Results for the 23/11/2010 & 24/11/2010

Parameters	Irish Standard SI No. 294 of 1989	Leachate Lagoon LL2	LM5	LFG22	LS2	LS3
BOD	5	258	39	350	16.9	48
COD	None listed	744	1168	3120	111	222

As can be expected the

- BOD & Conductivity has exceeded the limits set by SI No. 294 of 1989.
- COD is high

The test results for the leachate boreholes and lagoons are higher than the surface water abstraction standards. This is the case for all landfill sites.

The BOD results for LM05 & LS2 indicate that the waste is older and the biological processes are in decline.

(B) Leachate Levels (See appendix 2)

Leachate levels are being monitored since April 2010 via Scada in cells 1-8 inclusive.

Leachate levels in cells 1 – 8 inclusive are remaining static or reducing.

This is due to the fact that these cells have now been capped. There is a gravity flow system in operation draining the remaining leachate from these cells. This leachate is then pumped into the main leachate lagoon for transport to the Nenagh WWTP.

LL2 maintained a freeboard of 0.5m as per license conditions.

A leachate level investigation was carried out in November 2010 by Irish Biotech Systems Ltd. As a result, pumps were installed in boreholes LFG14, LFG16 & LM12 to reduce leachate levels. Boreholes LM06 & LM16 were found to be kinked so replacement wells were drilled in February 2011 which will be connected to the gas management & telemetry systems in the first quarter of 2011.

(C) Conclusion

The leachate samples appear to be normal for a Landfill Site. The leachate levels are reducing and will continue to reduce to the specified license conditions over the next quarter with the aid of the gravity flow system and the permanent capping of completed cells 1-8.

The capping of Cell 9 commenced in December 2010 & will be completed within the first quarter of 2011.

Temperature

All monitoring stations are within the limits.

Dissolved Oxygen % Saturation

SW4 had dissolved oxygen of 49% for this quarter. SW4 is located upstream of the landfill in a bog area and the low reading may be due to the excessive weed growth at this point.

Conductivity & pH

All conductivity and pH results were within the limits set in table 2 above.

BOD

All monitoring stations are within the limits

Ammonia

All monitoring stations are within the limits.

Chlorides

All monitoring stations are within the limits.

Suspended Solids

All monitoring stations are within the limits.

(B) Surface water Visual Inspection (See appendix 4)

The weekly surface water visual inspections show that the Ballaghveny Stream appears uncontaminated by landfill leachate.

(C) Conclusion

The surface water results show that the Ballaghveny Stream and the Ollatrim River are unpolluted by leachate.

3. Groundwater

(A) Groundwater composition (see appendix 5)

The groundwater sample results were compared with drinking water standards (EU Directive 80/778/EEC and S.I. No. 81 of 1988 – see appendix 10)

Table 3.0 shows a comparison of groundwater composition to Drinking water standards (Irish Standards SI No. 439 of 2000). All values marked in bold are exceedances to the set directive limits

Results of samples taken 23/11/2010 & 24/11/2010

	Irish Standard SI No. 439 of 2000	GW5	GW9	GW10	GW12	BH3
<i>Parameters</i>						
Temperature °C	25	10.0	10.8	10.3	9.9	9.9
Dissolved Oxygen % Saturation	-	29	27	75	91	41
PH	6.5-9.5	6.9	7.1	7.0	7.1	6.9
∞S/cm	2500	724	1321	930	690	1038
BOD	-					
COD	-					
Ammonia Mg/l – N	0.2333	0.6	8.2	0.03	0.01	0.15
Chloride mg/l Cl	250	15	132	29	18	56
Sulphate mg/l SO ₄	-	25	35	18	6.8	25

Summary of table

Results from November 2010 show that GW5 and GW9 have an elevated ammonia reading. These elevated readings are consistent with previous monitoring results for these stations. Groundwater flow within the landfill is in a southerly direction towards the Ollatrim River.

GW 5 is to the west of the landfill so it is unlikely that the landfill is impacting on the groundwater quality of this monitoring point. GW 5 is surrounded by boggy land that is naturally high in ammonia.

GW 9 is located in an old quarry which could have an impact on ammonia levels.

All other groundwater monitoring points meet the drinking water standards which far exceeds any limits set for raw groundwater

(B) Groundwater Levels (see appendix 6)

The groundwater levels appear to be normal.

(C) Quarterly groundwater visual inspection (see appendix 7)

The quarterly groundwater visual inspection showed all samples had no visible or nasal evidence of leachate contamination.

4. Landfill Gas Monitoring (see appendix 8)

Routine gas monitoring carried out on gas vents drilled into the waste bodies showed that the gas vents are working well with a variance in the rates of methane production.

Perimeter wells, MP15 and MP17, exceeded CO₂ licence levels during October 2010 but had returned to levels within licence limit in November and December 2010. All other boreholes had readings within licence limits for this period.

The gas flare was operating continuously for this quarter.

Appendix 5

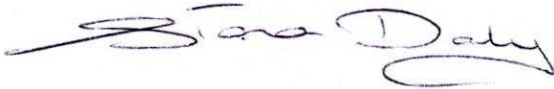
Energy Audit Update

22/03/2011

To Whom It May CONCERN,

"An energy audit of the Ballaghveny offices in 2009. As a result of this audit an insulation upgrade was implemented at the end of 2009. The walls were pumped with a polystyrene bead and the attic was insulated with 300mm mineral wool. This reduced the heat demand of the building considerably and improved the thermal comfort. However, the building is still heated with the same number of storage heaters for the same length of time and so savings of only 3% have been realised (comparing 2010 bills to 2008/2009). It is highly recommended to install weather compensation heating controls and a seven day programmer on this heating system in the form of a deviregulator. This would be a re-application of upgrades carried out in the firestations of North Tipperary County Council. At least 20-30% savings could be achievable with this measure without causing any adverse effects on the thermal comfort of the building."

Regards
Siona Daly

A handwritten signature in black ink, appearing to read "Siona Daly". The signature is written in a cursive style with a large, sweeping initial "S".

Appendix 6

Details of Volumes of Leachate removed from the site

TRANSACTION LISTING

"Transaction Period: 01/01/2010 - 31/12/2010"

Txn No	Vehicle	I/O	Date	Order No	Nett Kg	Charge	Account	Destination	Waste Description
164848	06TN2718	OUT	06/01/2010		11880	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
164854	06TN2718	OUT	06/01/2010		11480	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
164884	06TN2718	OUT	06/01/2010		11060	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
164901	06TN2718	OUT	06/01/2010		11200	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165051	06TN2718	OUT	12/01/2010		11980	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165084	06TN2718	OUT	13/01/2010		11080	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165403	04TN1891	OUT	19/01/2010		10900	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165404	02D861	OUT	19/01/2010		22800	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
165405	06TN2718	OUT	19/01/2010		12120	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165419	06TN2718	OUT	19/01/2010		11140	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165420	04TN1891	OUT	19/01/2010		10320	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165437	02D861	OUT	19/01/2010		23380	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165440	06TN2718	OUT	19/01/2010		11300	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165461	06TN2718	OUT	19/01/2010		11640	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165466	02D861	OUT	19/01/2010		22960	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165479	06TN2718	OUT	19/01/2010		11500	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165487	02D861	OUT	19/01/2010		22980	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165495	06TN2718	OUT	19/01/2010		11420	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165510	02D861	OUT	20/01/2010		22340	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
165511	06WD1018	OUT	20/01/2010		15160	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165512	06TN2718	OUT	20/01/2010		11200	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165521	06TN2718	OUT	20/01/2010		11480	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165522	06WD1018	OUT	20/01/2010		15400	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165530	06TN2718	OUT	20/01/2010		11580	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165531	06WD1018	OUT	20/01/2010		16260	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165543	06WD1018	OUT	20/01/2010		15320	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165546	06TN2718	OUT	20/01/2010		11560	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165555	06WD1018	OUT	20/01/2010		16240	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165559	06TN2718	OUT	20/01/2010		11420	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165567	06WD1018	OUT	20/01/2010		16220	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165573	06TN2718	OUT	20/01/2010		11320	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165580	06WD1018	OUT	21/01/2010		16300	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165581	06TN2718	OUT	21/01/2010		11260	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE

Txn No	Vehicle	I/O	Date	Order No	Nett Kg	Charge	Account	Destination	Waste Description
165582	04TN1891	OUT	21/01/2010		11700	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165587	06TN2718	OUT	21/01/2010		11280	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165590	06WD1018	OUT	21/01/2010		16040	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165591	04TN1891	OUT	21/01/2010		11140	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165596	06WD1018	OUT	21/01/2010		16100	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165599	06TN2718	OUT	21/01/2010		11400	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165608	04TN1891	OUT	21/01/2010		11520	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165615	06WD1018	OUT	21/01/2010		16060	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165624	04TN1891	OUT	21/01/2010		11600	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165625	06TN2718	OUT	21/01/2010		11600	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165628	06WD1018	OUT	21/01/2010		16020	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165630	06TN2718	OUT	21/01/2010		11340	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165631	04TN1891	OUT	21/01/2010		10560	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165637	02D861	OUT	21/01/2010		23080	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
165645	06WD1018	OUT	21/01/2010		16080	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165646	06TN2718	OUT	21/01/2010		11380	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165647	04TN1891	OUT	21/01/2010		11580	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165651	06TN2718	OUT	22/01/2010		11400	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165653	02D861	OUT	22/01/2010		23480	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165656	06TN2718	OUT	22/01/2010		11360	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165662	02D861	OUT	22/01/2010		23060	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165668	06TN2718	OUT	22/01/2010		11480	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165675	02D861	OUT	22/01/2010		23080	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165683	06TN2718	OUT	22/01/2010		10680	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165686	02D861	OUT	22/01/2010		22780	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165689	06TN2718	OUT	22/01/2010		11500	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165698	02D861	OUT	22/01/2010		22940	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165826	06WD1018	OUT	26/01/2010		16340	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165827	02D861	OUT	26/01/2010		23380	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
165828	06TN2718	OUT	26/01/2010		11580	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165829	04TN1891	OUT	26/01/2010		12020	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165840	06TN2718	OUT	26/01/2010		11480	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165841	06WD1018	OUT	26/01/2010		16040	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165843	04TN1891	OUT	26/01/2010		12580	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165851	06WD1018	OUT	26/01/2010		16400	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165853	06TN2718	OUT	26/01/2010		11240	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165858	04TN1891	OUT	26/01/2010		12140	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165868	06WD1018	OUT	26/01/2010		16440	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE

Txn No	Vehicle	I/O	Date	Order No	Nett Kg	Charge	Account	Destination	Waste Description
165879	04TN1891	OUT	26/01/2010		12280	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165880	06TN2718	OUT	26/01/2010		11520	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165888	06WD1018	OUT	26/01/2010		16480	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165890	04TN1891	OUT	26/01/2010		12120	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165893	06TN2718	OUT	26/01/2010		11520	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165906	06WD1018	OUT	26/01/2010		16500	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165907	04TN1891	OUT	26/01/2010		12180	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165915	06WD1018	OUT	27/01/2010		16380	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165916	06TN2718	OUT	27/01/2010		11480	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165917	04TN1891	OUT	27/01/2010		12200	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165922	06TN2718	OUT	27/01/2010		11400	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165923	06WD1018	OUT	27/01/2010		16400	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165924	04TN1891	OUT	27/01/2010		12040	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165930	06WD1018	OUT	27/01/2010		16420	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165932	02D861	OUT	27/01/2010		23440	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
165933	04TN1891	OUT	27/01/2010		11760	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165945	06WD1018	OUT	27/01/2010		16340	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165946	06TN2718	OUT	27/01/2010		11460	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165948	04TN1891	OUT	27/01/2010		11920	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165957	06TN2718	OUT	27/01/2010		11580	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165958	06WD1018	OUT	27/01/2010		16380	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165959	04TN1891	OUT	27/01/2010		12080	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165965	06TN2718	OUT	27/01/2010		11560	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165967	06WD1018	OUT	27/01/2010		16420	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165973	02D861	OUT	28/01/2010		22820	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165974	06TN2718	OUT	28/01/2010		11360	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165981	06TN2718	OUT	28/01/2010		11560	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165983	02D861	OUT	28/01/2010		23080	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165994	06TN2718	OUT	28/01/2010		11440	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
165995	02D861	OUT	28/01/2010		23100	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166015	06TN2718	OUT	28/01/2010		11540	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166020	02D861	OUT	28/01/2010		23140	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166022	06TN2718	OUT	28/01/2010		11420	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166033	02D861	OUT	28/01/2010		23120	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166034	06TN2718	OUT	28/01/2010		11160	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166042	02D861	OUT	29/01/2010		23060	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166043	06TN2718	OUT	29/01/2010		11560	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166051	06TN2718	OUT	29/01/2010		11520	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE

Txn No	Vehicle	I/O	Date	Order No	Nett Kg	Charge	Account	Destination	Waste Description
166053	02D861	OUT	29/01/2010		23080	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166059	06TN2718	OUT	29/01/2010		11320	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166066	02D861	OUT	29/01/2010		23140	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166074	06TN2718	OUT	29/01/2010		11340	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166078	02D861	OUT	29/01/2010		22860	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166085	06TN2718	OUT	29/01/2010		11640	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166204	02D861	OUT	02/02/2010		23420	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166207	06TN2718	OUT	02/02/2010		11180	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166210	06WD1018	OUT	02/02/2010		16320	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
166217	06TN2718	OUT	02/02/2010		11460	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166218	02D861	OUT	02/02/2010		23100	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166222	06WD1018	OUT	02/02/2010		16500	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
166234	06TN2718	OUT	02/02/2010		11200	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166238	02D861	OUT	02/02/2010		23060	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166240	06WD1018	OUT	02/02/2010		16500	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
166248	06TN2718	OUT	02/02/2010		11320	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166259	02D861	OUT	02/02/2010		23100	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166262	06TN2718	OUT	02/02/2010		11360	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166265	06WD1018	OUT	02/02/2010		16460	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
166271	02D861	OUT	02/02/2010		23160	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166273	06TN2718	OUT	02/02/2010		11380	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166284	06WD1018	OUT	03/02/2010		15240	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
166285	02D861	OUT	03/02/2010		22760	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166286	06TN2718	OUT	03/02/2010		11400	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166292	06TN2718	OUT	03/02/2010		11260	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166296	06WD1018	OUT	03/02/2010		16200	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
166300	02D861	OUT	03/02/2010		23080	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166305	06TN2718	OUT	03/02/2010		11240	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166314	06WD1018	OUT	03/02/2010		16420	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
166317	02D861	OUT	03/02/2010		23120	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166324	06TN2718	OUT	03/02/2010		11080	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166333	06WD1018	OUT	03/02/2010		14160	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
166334	02D861	OUT	03/02/2010		23080	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166337	06TN2718	OUT	03/02/2010		11080	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166348	06TN2718	OUT	03/02/2010		11440	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166349	02D861	OUT	03/02/2010		23140	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166360	02D861	OUT	04/02/2010		23080	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166361	06WD1018	OUT	04/02/2010		14780	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE

Txn No	Vehicle	I/O	Date	Order No	Nett Kg	Charge	Account	Destination	Waste Description
166362	06TN2718	OUT	04/02/2010		11580	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166374	06TN2718	OUT	04/02/2010		11520	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166375	02D861	OUT	04/02/2010		22960	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166376	06WD1018	OUT	04/02/2010		16000	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
166385	06TN2718	OUT	04/02/2010		11380	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166386	06WD1018	OUT	04/02/2010		16280	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
166387	02D861	OUT	04/02/2010		23120	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166396	06TN2718	OUT	04/02/2010		11340	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166398	02D861	OUT	04/02/2010		23140	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166400	06WD1018	OUT	04/02/2010		14940	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166407	06TN2718	OUT	04/02/2010		11180	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166418	02D861	OUT	04/02/2010		23140	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166421	06TN2718	OUT	04/02/2010		11000	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166425	06WD1018	OUT	04/02/2010		14900	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
166435	06WD1018	OUT	05/02/2010		15680	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166436	06TN2718	OUT	05/02/2010		11320	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166445	06TN2718	OUT	05/02/2010		11320	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166446	06WD1018	OUT	05/02/2010		15740	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166451	06TN2718	OUT	05/02/2010		11300	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166453	06WD1018	OUT	05/02/2010		15800	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166471	06TN2718	OUT	05/02/2010		11280	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166474	06WD1018	OUT	05/02/2010		15740	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166486	06WD1018	OUT	05/02/2010		14960	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166487	06TN2718	OUT	05/02/2010		11280	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166621	06WD1018	OUT	09/02/2010		16440	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166622	02D861	OUT	09/02/2010		23540	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166624	06TN2718	OUT	09/02/2010		11200	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166636	06TN2718	OUT	09/02/2010		11200	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166639	06WD1018	OUT	09/02/2010		16380	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
166647	02D861	OUT	09/02/2010		22980	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166654	06TN2718	OUT	09/02/2010		11500	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166671	06TN2718	OUT	09/02/2010		11480	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166672	02D861	OUT	09/02/2010		23100	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166676	06WD1018	OUT	09/02/2010		14540	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
166685	06TN2718	OUT	09/02/2010		11360	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166687	02D861	OUT	09/02/2010		23020	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166697	06TN2718	OUT	09/02/2010		11400	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166709	02D861	OUT	10/02/2010		23100	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE

Txn No	Vehicle	I/O	Date	Order No	Nett Kg	Charge	Account	Destination	Waste Description
166710	06TN2718	OUT	10/02/2010		11500	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166716	02D861	OUT	10/02/2010		23040	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166718	06TN2718	OUT	10/02/2010		11340	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166725	06TN2718	OUT	10/02/2010		11380	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166727	02D861	OUT	10/02/2010		23000	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166738	06TN2718	OUT	10/02/2010		11580	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166741	02D861	OUT	10/02/2010		23000	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166750	02D861	OUT	10/02/2010		23080	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166751	06TN2718	OUT	10/02/2010		11380	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166762	06TN2718	OUT	10/02/2010		11080	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166765	02D861	OUT	10/02/2010		23040	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166777	02D861	OUT	11/02/2010		21460	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166778	06WD1018	OUT	11/02/2010		14600	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166780	06TN2718	OUT	11/02/2010		11580	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166786	06WD1018	OUT	11/02/2010		14860	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
166789	02D861	OUT	11/02/2010		22860	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166790	06TN2718	OUT	11/02/2010		11420	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166802	02D861	OUT	11/02/2010		23000	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166804	06WD1018	OUT	11/02/2010		14220	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
166808	06TN2718	OUT	11/02/2010		11500	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166811	02D861	OUT	11/02/2010		22160	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166816	06WD1018	OUT	11/02/2010		15820	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
166818	06TN2718	OUT	11/02/2010		11440	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166824	02D861	OUT	11/02/2010		23100	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166830	06TN2718	OUT	11/02/2010		11340	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166831	06WD1018	OUT	11/02/2010		15180	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
166836	02D861	OUT	11/02/2010		23100	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166844	02D861	OUT	12/02/2010		23080	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166846	06TN2718	OUT	12/02/2010		12160	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166855	06TN2718	OUT	12/02/2010		10960	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166859	02D861	OUT	12/02/2010		22760	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166863	06TN2718	OUT	12/02/2010		11120	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166873	02D861	OUT	12/02/2010		23200	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166889	06TN2718	OUT	12/02/2010		11540	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
166898	06TN2718	OUT	12/02/2010		11600	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167014	06WD1018	OUT	16/02/2010		16400	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167016	06TN2718	OUT	16/02/2010		10700	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167019	02D861	OUT	16/02/2010		22200	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE

Txn No	Vehicle	I/O	Date	Order No	Nett Kg	Charge	Account	Destination	Waste Description
167028	96TN2718	OUT	16/02/2010		11200	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167032	06WD1018	OUT	16/02/2010		16200	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
167036	02D861	OUT	16/02/2010		22420	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167037	06TN2718	OUT	16/02/2010		11200	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167043	06WD1018	OUT	16/02/2010		16280	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
167045	02D861	OUT	16/02/2010		23020	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167056	06TN2718	OUT	16/02/2010		11500	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167058	02D861	OUT	16/02/2010		22980	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167059	06WD1018	OUT	16/02/2010		16440	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
167069	06TN2718	OUT	16/02/2010		11500	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167071	02D861	OUT	16/02/2010		23000	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167074	06WD1018	OUT	16/02/2010		16040	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
167084	06TN2718	OUT	16/02/2010		11240	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167091	02D861	OUT	16/02/2010		22980	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167108	02D861	OUT	17/02/2010		23020	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167109	06WD1018	OUT	17/02/2010		16160	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
167110	06TN2718	OUT	17/02/2010		10360	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167114	02D861	OUT	17/02/2010		22980	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167116	06TN2718	OUT	17/02/2010		11320	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167117	06WD1018	OUT	17/02/2010		16200	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
167125	02D861	OUT	17/02/2010		23020	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167127	06TN2718	OUT	17/02/2010		11300	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167132	06WD1018	OUT	17/02/2010		16000	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
167144	02D861	OUT	17/02/2010		23000	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167145	06TN2718	OUT	17/02/2010		11260	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167148	06WD1018	OUT	17/02/2010		16060	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
167153	06TN2718	OUT	17/02/2010		11460	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167154	02D861	OUT	17/02/2010		23060	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167161	06WD1018	OUT	17/02/2010		15880	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167163	06TN2718	OUT	17/02/2010		11280	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167164	02D861	OUT	17/02/2010		22100	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167175	06TN2718	OUT	18/02/2010		11340	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167177	02D861	OUT	18/02/2010		23060	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167183	06TN2718	OUT	18/02/2010		11140	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167185	02D861	OUT	18/02/2010		22840	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167188	06WD1018	OUT	18/02/2010		15140	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
167194	06TN2718	OUT	18/02/2010		11320	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167198	02D861	OUT	18/02/2010		22920	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE

Txn No	Vehicle	I/O	Date	Order No	Nett Kg	Charge	Account	Destination	Waste Description
167202	06WD1018	OUT	18/02/2010		16120	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
167210	06TN2718	OUT	18/02/2010		11400	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167212	02D861	OUT	18/02/2010		23020	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167219	06WD1018	OUT	18/02/2010		16040	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
167221	06TN2718	OUT	18/02/2010		10920	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167224	02D861	OUT	18/02/2010		22640	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167234	06WD1018	OUT	18/02/2010		15960	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
167237	06TN2718	OUT	18/02/2010		11300	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167243	02D861	OUT	18/02/2010		22800	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167262	06TN2718	OUT	19/02/2010		11280	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167263	06WD1018	OUT	19/02/2010		15720	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167273	06TN2718	OUT	19/02/2010		11540	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167274	06WD1018	OUT	19/02/2010		15400	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167288	06TN2718	OUT	19/02/2010		11340	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167290	06WD1018	OUT	19/02/2010		16040	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167301	06TN2718	OUT	19/02/2010		11400	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167303	06WD1018	OUT	19/02/2010		13740	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167311	06TN2718	OUT	19/02/2010		10900	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167312	06WD1018	OUT	19/02/2010		15360	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167459	06WD1018	OUT	23/02/2010		15400	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167462	02D861	OUT	23/02/2010		23420	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167464	06TN2718	OUT	23/02/2010		11800	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167473	06WD1018	OUT	23/02/2010		15700	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
167478	02D861	OUT	23/02/2010		23000	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167479	06TN2718	OUT	23/02/2010		11280	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167491	06WD1018	OUT	23/02/2010		15860	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
167492	06TN2718	OUT	23/02/2010		11120	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167494	02D861	OUT	23/02/2010		23080	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167505	06TN2718	OUT	23/02/2010		11160	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167512	06WD1018	OUT	23/02/2010		16040	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
167515	02D861	OUT	23/02/2010		23060	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167517	06TN2718	OUT	23/02/2010		11560	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167522	02D861	OUT	23/02/2010		23040	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167529	06WD1018	OUT	23/02/2010		15700	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
167536	06TN2718	OUT	23/02/2010		11440	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167540	02D861	OUT	23/02/2010		23100	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167550	06WD1018	OUT	24/02/2010		15780	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167551	02D861	OUT	24/02/2010		23080	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE

Txn No	Vehicle	I/O	Date	Order No	Nett Kg	Charge	Account	Destination	Waste Description
167552	06TN2718	OUT	24/02/2010		11580	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167556	06WD1018	OUT	24/02/2010		15860	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
167557	02D861	OUT	24/02/2010		22740	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167558	06TN2718	OUT	24/02/2010		11380	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167563	06TN2718	OUT	24/02/2010		11440	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167565	02D861	OUT	24/02/2010		23140	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167567	06WD1018	OUT	24/02/2010		15220	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
167582	06TN2718	OUT	24/02/2010		11360	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167585	02D861	OUT	24/02/2010		23020	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167587	06WD1018	OUT	24/02/2010		15680	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
167589	06TN2718	OUT	24/02/2010		11400	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167594	02D861	OUT	24/02/2010		23020	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167598	06WD1018	OUT	24/02/2010		15620	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
167599	06TN2718	OUT	24/02/2010		11400	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167601	02D861	OUT	24/02/2010		22740	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167609	02D861	OUT	25/02/2010		23100	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167610	06WD1018	OUT	25/02/2010		15200	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167611	06TN2718	OUT	25/02/2010		11240	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167615	06WD1018	OUT	25/02/2010		15840	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
167616	02D861	OUT	25/02/2010		23040	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167617	06TN2718	OUT	25/02/2010		11500	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167620	02D861	OUT	25/02/2010		23080	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167621	06TN2718	OUT	25/02/2010		11160	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167622	06WD1018	OUT	25/02/2010		15520	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
167628	06TN2718	OUT	25/02/2010		11280	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167630	02D861	OUT	25/02/2010		23080	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167634	06WD1018	OUT	25/02/2010		15560	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
167636	06TN2718	OUT	25/02/2010		11320	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167638	02D861	OUT	25/02/2010		23020	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167648	06TN2718	OUT	25/02/2010		11500	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167649	02D861	OUT	25/02/2010		23020	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167652	06WD1018	OUT	25/02/2010		15540	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
167662	06WD1018	OUT	26/02/2010		16040	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167663	06TN2718	OUT	26/02/2010		11460	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167672	06WD1018	OUT	26/02/2010		16300	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167673	06TN2718	OUT	26/02/2010		11540	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167680	06TN2718	OUT	26/02/2010		11040	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167682	06WD1018	OUT	26/02/2010		15980	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE

Txn No	Vehicle	I/O	Date	Order No	Nett Kg	Charge	Account	Destination	Waste Description
167697	06TN2718	OUT	26/02/2010		11220	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167701	06WD1018	OUT	26/02/2010		15860	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167706	06WD1018	OUT	26/02/2010		16080	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167707	06TN2718	OUT	26/02/2010		10980	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167829	06WD1018	OUT	02/03/2010		15880	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167831	02D861	OUT	02/03/2010		22760	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167834	06TN2718	OUT	02/03/2010		11480	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167844	06WD1018	OUT	02/03/2010		16280	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
167845	02D861	OUT	02/03/2010		22940	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167851	06TN2718	OUT	02/03/2010		11380	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167864	02D861	OUT	02/03/2010		22920	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167869	06WD1018	OUT	02/03/2010		15840	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
167870	06TN2718	OUT	02/03/2010		11440	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167881	02D861	OUT	02/03/2010		23160	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167887	06TN2718	OUT	02/03/2010		11420	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167888	06WD1018	OUT	02/03/2010		16220	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
167896	02D861	OUT	02/03/2010		23020	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167899	06TN2718	OUT	02/03/2010		11280	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167906	06WD1018	OUT	02/03/2010		16120	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
167908	06TN2718	OUT	02/03/2010		11340	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167909	02D861	OUT	02/03/2010		23140	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167918	02D861	OUT	03/03/2010		23020	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167919	06WD1018	OUT	03/03/2010		15060	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167922	06TN2718	OUT	03/03/2010		11360	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167929	06WD1018	OUT	03/03/2010		16000	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
167931	02D861	OUT	03/03/2010		22900	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167932	06TN2718	OUT	03/03/2010		11240	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167936	06TN2718	OUT	03/03/2010		11040	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167937	02D861	OUT	03/03/2010		23040	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167940	06WD1018	OUT	03/03/2010		16060	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
167946	06TN2718	OUT	03/03/2010		11280	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167951	02D861	OUT	03/03/2010		23080	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167955	06WD1018	OUT	03/03/2010		16080	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
167960	06TN2718	OUT	03/03/2010		11320	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167963	02D861	OUT	03/03/2010		23040	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167970	06WD1018	OUT	03/03/2010		16080	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
167975	06TN2718	OUT	03/03/2010		11280	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167978	02D861	OUT	03/03/2010		23100	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE

Txn No	Vehicle	I/O	Date	Order No	Nett Kg	Charge	Account	Destination	Waste Description
167988	02D861	OUT	04/03/2010		22980	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167989	06TN2718	OUT	04/03/2010		11540	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
167998	06TN2718	OUT	04/03/2010		11440	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168000	02D861	OUT	04/03/2010		22940	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168004	06TN2718	OUT	04/03/2010		11300	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168006	02D861	OUT	04/03/2010		23020	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168011	06TN2718	OUT	04/03/2010		11000	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168012	02D861	OUT	04/03/2010		23100	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168014	06WD1018	OUT	04/03/2010		15520	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
168021	06TN2718	OUT	04/03/2010		11340	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168024	02D861	OUT	04/03/2010		180	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168028	06WD1018	OUT	04/03/2010		16080	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
168037	06TN2718	OUT	04/03/2010		11320	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168040	06WD1018	OUT	04/03/2010		16140	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
168045	06TN2718	OUT	05/03/2010		11180	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168058	06TN2718	OUT	05/03/2010		10800	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168071	06TN2718	OUT	05/03/2010		11200	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168088	06TN2718	OUT	05/03/2010		11080	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168215	02D861	OUT	09/03/2010		21080	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168216	06WD1018	OUT	09/03/2010		16280	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168226	06TN2718	OUT	09/03/2010		12200	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168234	06WD1018	OUT	09/03/2010		16200	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
168243	06TN2718	OUT	09/03/2010		10660	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168255	06WD1018	OUT	09/03/2010		16120	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
168259	06TN2718	OUT	09/03/2010		11100	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168268	06WD1018	OUT	09/03/2010		16200	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
168269	06TN2718	OUT	09/03/2010		11220	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168278	06WD1018	OUT	09/03/2010		16080	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168280	06TN2718	OUT	09/03/2010		11260	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168294	06WD1018	OUT	10/03/2010		15280	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168295	06TN2718	OUT	10/03/2010		820	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168303	06WD1018	OUT	10/03/2010		15720	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168309	02D861	OUT	10/03/2010		23380	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
168314	06WD1018	OUT	10/03/2010		15860	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168326	06WD1018	OUT	10/03/2010		15940	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168329	02D861	OUT	10/03/2010		23480	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
168330	06WD1018	OUT	10/03/2010		15500	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168341	02D861	OUT	10/03/2010		23440	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE

Txn No	Vehicle	I/O	Date	Order No	Nett Kg	Charge	Account	Destination	Waste Description
168342	06WD1018	OUT	10/03/2010		15820	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168353	06WD1018	OUT	11/03/2010		15420	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
168354	02D861	OUT	11/03/2010		23280	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168365	06TN2718	OUT	11/03/2010		12320	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168368	02D861	OUT	11/03/2010		22920	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168375	06TN2718	OUT	11/03/2010		11500	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168383	06WD1018	OUT	11/03/2010		14780	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
168386	02D861	OUT	11/03/2010		23020	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168391	06TN2718	OUT	11/03/2010		11420	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168397	06WD1018	OUT	11/03/2010		16300	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
168401	02D861	OUT	11/03/2010		23100	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168407	06TN2718	OUT	11/03/2010		11460	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168412	06WD1018	OUT	11/03/2010		16360	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
168414	02D861	OUT	11/03/2010		22080	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168421	06TN2718	OUT	11/03/2010		10560	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168426	06WD1018	OUT	11/03/2010		15700	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
168432	06TN2718	OUT	12/03/2010		11280	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168433	02D861	OUT	12/03/2010		22980	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168441	06TN2718	OUT	12/03/2010		11280	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168443	02D861	OUT	12/03/2010		23000	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168452	06TN2718	OUT	12/03/2010		11380	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168457	02D861	OUT	12/03/2010		22660	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168472	06TN2718	OUT	12/03/2010		11240	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168479	02D861	OUT	12/03/2010		23060	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168487	06TN2718	OUT	12/03/2010		11440	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168628	10TN771	OUT	16/03/2010		12160	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168632	06TN2718	OUT	16/03/2010		10940	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168634	06WD1018	OUT	16/03/2010		15500	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168644	10TN771	OUT	16/03/2010		11180	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168647	06TN2718	OUT	16/03/2010		11300	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168649	06WD1018	OUT	16/03/2010		15420	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
168663	10TN771	OUT	16/03/2010		12220	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168668	06TN2718	OUT	16/03/2010		10520	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168677	06WD1018	OUT	16/03/2010		15820	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
168686	10TN771	OUT	16/03/2010		12220	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168691	06TN2718	OUT	16/03/2010		11460	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168702	10TN771	OUT	16/03/2010		12300	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168703	06WD1018	OUT	16/03/2010		15760	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE

Txn No	Vehicle	I/O	Date	Order No	Nett Kg	Charge	Account	Destination	Waste Description
168711	06TN2718	OUT	16/03/2010		10680	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168718	10TN771	OUT	16/03/2010		12340	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168723	06TN2718	OUT	16/03/2010		11120	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168724	06WD1018	OUT	16/03/2010		15120	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
168737	06WD1018	OUT	18/03/2010		16200	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168739	06TN2718	OUT	18/03/2010		11440	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168745	06TN2718	OUT	18/03/2010		10260	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168746	06WD1018	OUT	18/03/2010		16220	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
168754	06TN2718	OUT	18/03/2010		11340	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168760	06WD1018	OUT	18/03/2010		16240	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
168769	06TN2718	OUT	18/03/2010		11340	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168775	06WD1018	OUT	18/03/2010		15940	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
168778	06TN2718	OUT	18/03/2010		11480	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168784	06WD1018	OUT	18/03/2010		15580	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
168788	06TN2718	OUT	18/03/2010		11440	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168798	06TN2718	OUT	19/03/2010		11540	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168799	06WD1018	OUT	19/03/2010		16000	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168801	02D861	OUT	19/03/2010		23360	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168806	06TN2718	OUT	19/03/2010		11640	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168807	06WD1018	OUT	19/03/2010		16260	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168819	06TN2718	OUT	19/03/2010		11420	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168827	06WD1018	OUT	19/03/2010		15540	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168828	02D861	OUT	19/03/2010		22860	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168835	06TN2718	OUT	19/03/2010		11540	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168838	06WD1018	OUT	19/03/2010		15620	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168849	06TN2718	OUT	19/03/2010		11460	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168952	06WD1018	OUT	23/03/2010		15080	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168956	06TN2718	OUT	23/03/2010		11160	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168957	10TN771	OUT	23/03/2010		12480	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168968	06WD1018	OUT	23/03/2010		15060	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
168970	06TN2718	OUT	23/03/2010		11240	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168971	10TN771	OUT	23/03/2010		12480	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168986	10TN771	OUT	23/03/2010		12320	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
168987	06WD1018	OUT	23/03/2010		16360	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
168988	06TN2718	OUT	23/03/2010		11360	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169002	10TN771	OUT	23/03/2010		11640	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169003	06WD1018	OUT	23/03/2010		15620	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
169004	06TN2718	OUT	23/03/2010		11360	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE

Txn No	Vehicle	I/O	Date	Order No	Nett Kg	Charge	Account	Destination	Waste Description
169010	10TN771	OUT	23/03/2010		12260	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169017	06TN2718	OUT	23/03/2010		11340	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169018	06WD1018	OUT	23/03/2010		16300	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
169021	10TN771	OUT	23/03/2010		12560	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169030	02D861	OUT	24/03/2010		22780	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169031	06WD1018	OUT	24/03/2010		14980	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169032	06TN2718	OUT	24/03/2010		11520	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169034	06TN2718	OUT	24/03/2010		11300	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169035	06WD1018	OUT	24/03/2010		14680	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
169038	02D861	OUT	24/03/2010		22860	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169043	06TN2718	OUT	24/03/2010		11420	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169052	06WD1018	OUT	24/03/2010		15120	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
169059	06TN2718	OUT	24/03/2010		11060	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169060	02D861	OUT	24/03/2010		22660	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169062	06WD1018	OUT	24/03/2010		16380	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169072	02D861	OUT	24/03/2010		22700	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
169074	06TN2718	OUT	24/03/2010		11340	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169078	06WD1018	OUT	24/03/2010		16420	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169085	06TN2718	OUT	24/03/2010		11420	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169095	06WD1018	OUT	25/03/2010		15660	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169096	06TN2718	OUT	25/03/2010		11240	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169098	02D861	OUT	25/03/2010		21680	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169104	06TN2718	OUT	25/03/2010		11540	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169105	06WD1018	OUT	25/03/2010		16020	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
169108	02D861	OUT	25/03/2010		22660	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169116	06TN2718	OUT	25/03/2010		11500	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169119	06WD1018	OUT	25/03/2010		16400	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
169122	02D861	OUT	25/03/2010		23320	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169129	06WD1018	OUT	25/03/2010		16060	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
169131	06TN2718	OUT	25/03/2010		11460	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169133	02D861	OUT	25/03/2010		23040	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169137	06WD1018	OUT	25/03/2010		15800	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
169140	06TN2718	OUT	25/03/2010		11060	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169146	02D861	OUT	25/03/2010		22980	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169151	06TN2718	OUT	25/03/2010		11060	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169168	02D861	OUT	26/03/2010		22900	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169169	06WD1018	OUT	26/03/2010		16240	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169170	06TN2718	OUT	26/03/2010		11480	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE

Txn No	Vehicle	I/O	Date	Order No	Nett Kg	Charge	Account	Destination	Waste Description
169177	02D861	OUT	26/03/2010		22880	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169178	06TN2718	OUT	26/03/2010		11540	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169183	06WD1018	OUT	26/03/2010		16160	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169193	06TN2718	OUT	26/03/2010		11280	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169194	06WD1018	OUT	26/03/2010		14040	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169197	06TN2718	OUT	26/03/2010		11440	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169200	06WD1018	OUT	26/03/2010		16100	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169207	06TN2718	OUT	26/03/2010		11240	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169210	06WD1018	OUT	26/03/2010		16000	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169341	06WD1018	OUT	30/03/2010		15300	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169342	10TN771	OUT	30/03/2010		12240	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169345	06TN2718	OUT	30/03/2010		11640	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169355	06WD1018	OUT	30/03/2010		14820	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
169356	10TN771	OUT	30/03/2010		12460	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169359	06TN2718	OUT	30/03/2010		11360	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169367	10TN771	OUT	30/03/2010		11760	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169369	06WD1018	OUT	30/03/2010		16220	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
169371	06TN2718	OUT	30/03/2010		11060	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169382	10TN771	OUT	30/03/2010		11760	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169385	06TN2718	OUT	30/03/2010		10940	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169388	06WD1018	OUT	30/03/2010		16120	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
169391	10TN771	OUT	30/03/2010		12460	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169394	06TN2718	OUT	30/03/2010		11500	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169398	10TN771	OUT	30/03/2010		11640	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169400	06WD1018	OUT	30/03/2010		16200	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
169407	06TN2718	OUT	30/03/2010		10880	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169412	10TN771	OUT	30/03/2010		12520	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169425	10TN771	OUT	31/03/2010		11680	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169426	06TN2718	OUT	31/03/2010		11400	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169432	10TN771	OUT	31/03/2010		11780	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169435	06TN2718	OUT	31/03/2010		11320	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169440	06WD1018	OUT	31/03/2010		15720	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169441	10TN771	OUT	31/03/2010		12640	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169443	06TN2718	OUT	31/03/2010		11380	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169449	06WD1018	OUT	31/03/2010		16320	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
169454	10TN771	OUT	31/03/2010		11880	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169463	06TN2718	OUT	31/03/2010		11400	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169465	10TN771	OUT	31/03/2010		12720	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE

Txn No	Vehicle	I/O	Date	Order No	Nett Kg	Charge	Account	Destination	Waste Description
169473	10TN771	OUT	31/03/2010		12160	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169474	06TN2718	OUT	31/03/2010		11440	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169482	10TN771	OUT	31/03/2010		12680	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
169496	02D861	OUT	01/04/2010		22980	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169497	06TN2718	OUT	01/04/2010		11520	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169504	06TN2718	OUT	01/04/2010		11440	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169506	02D861	OUT	01/04/2010		22760	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169510	06TN2718	OUT	01/04/2010		11580	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169521	02D861	OUT	01/04/2010		22980	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169539	06TN2718	OUT	01/04/2010		11560	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169544	02D861	OUT	01/04/2010		22880	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169550	06TN2718	OUT	01/04/2010		11460	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169555	02D861	OUT	01/04/2010		22800	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169559	06TN2718	OUT	01/04/2010		11600	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169667	06TN2718	OUT	06/04/2010		11780	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169668	06WD1018	OUT	06/04/2010		15720	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169669	02D861	OUT	06/04/2010		21760	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169676	06WD1018	OUT	06/04/2010		15640	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
169677	06TN2718	OUT	06/04/2010		11080	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169681	02D861	OUT	06/04/2010		22880	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169684	06TN2718	OUT	06/04/2010		11380	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169691	06WD1018	OUT	06/04/2010		15980	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
169698	02D861	OUT	06/04/2010		22960	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169702	06TN2718	OUT	06/04/2010		11380	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169705	06WD1018	OUT	06/04/2010		16020	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
169710	02D861	OUT	06/04/2010		23080	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169713	06TN2718	OUT	06/04/2010		11320	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169717	06WD1018	OUT	06/04/2010		16520	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
169725	02D861	OUT	06/04/2010		21280	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169727	06TN2718	OUT	06/04/2010		11440	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169735	06WD1018	OUT	06/04/2010		16500	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
169748	06TN2718	OUT	07/04/2010		10880	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169750	06WD1018	OUT	07/04/2010		16460	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169754	02D861	OUT	07/04/2010		22420	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169755	06TN2718	OUT	07/04/2010		11400	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169756	06WD1018	OUT	07/04/2010		16200	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
169763	02D861	OUT	07/04/2010		23040	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169766	06TN2718	OUT	07/04/2010		11500	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE

Txn No	Vehicle	I/O	Date	Order No	Nett Kg	Charge	Account	Destination	Waste Description
169769	06WD1018	OUT	07/04/2010		16500	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
169783	06TN2718	OUT	07/04/2010		11660	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169785	02D861	OUT	07/04/2010		23200	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169787	06WD1018	OUT	07/04/2010		15600	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
169796	06TN2718	OUT	07/04/2010		11240	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169801	02D861	OUT	07/04/2010		23160	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169805	06WD1018	OUT	07/04/2010		16480	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169813	06TN2718	OUT	07/04/2010		11460	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169817	06WD1018	OUT	07/04/2010		16340	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
169826	10TN771	OUT	08/04/2010		12560	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169827	06TN2718	OUT	08/04/2010		11440	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169828	06WD1018	OUT	08/04/2010		15720	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
169833	10TN771	OUT	08/04/2010		12720	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169835	06TN2718	OUT	08/04/2010		11400	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169838	06TN1018	OUT	08/04/2010		16320	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169846	10TN771	OUT	08/04/2010		12700	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169849	06TN2718	OUT	08/04/2010		11520	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169853	06WD1018	OUT	08/04/2010		16260	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
169855	10TN771	OUT	08/04/2010		12700	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169858	06TN2718	OUT	08/04/2010		11580	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169865	06WD1018	OUT	08/04/2010		16380	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
169867	10TN771	OUT	08/04/2010		11980	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169873	06TN2718	OUT	08/04/2010		11760	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169877	06WD1018	OUT	08/04/2010		16340	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169878	10TN771	OUT	08/04/2010		12120	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169887	06TN2718	OUT	08/04/2010		11020	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169889	10TN771	OUT	08/04/2010		12640	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169893	06WD1018	OUT	08/04/2010		16180	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
169903	06WD1018	OUT	09/04/2010		16340	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169906	06TN2718	OUT	09/04/2010		11400	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169915	06WD1018	OUT	09/04/2010		16440	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169931	06TN2718	OUT	09/04/2010		11540	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169934	06WD1018	OUT	09/04/2010		16380	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169948	06WD1018	OUT	09/04/2010		16420	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169949	06TN2718	OUT	09/04/2010		11440	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169960	06WD1018	OUT	09/04/2010		16340	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
169961	06TN2718	OUT	09/04/2010		11500	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170106	10TN771	OUT	13/04/2010		12280	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE

Txn No	Vehicle	I/O	Date	Order No	Nett Kg	Charge	Account	Destination	Waste Description
170109	06TN2718	OUT	13/04/2010		11200	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170110	06WD1018	OUT	13/04/2010		15820	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170126	06TN2718	OUT	13/04/2010		11320	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170132	06WD1018	OUT	13/04/2010		15760	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
170148	10TN771	OUT	13/04/2010		12400	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170152	06TN2718	OUT	13/04/2010		11220	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170155	06WD1018	OUT	13/04/2010		16040	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
170162	10TN771	OUT	13/04/2010		12460	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170164	10TN771	OUT	13/04/2010		12500	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170173	06WD1018	OUT	13/04/2010		16080	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
170174	06TN2718	OUT	13/04/2010		11360	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170175	10TN771	OUT	13/04/2010		12540	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170189	06TN2718	OUT	13/04/2010		11040	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170191	06WD1018	OUT	13/04/2010		16200	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
170192	10TN771	OUT	13/04/2010		12520	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170208	06TN2718	OUT	14/04/2010		11220	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170211	06WD1018	OUT	14/04/2010		16080	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170215	06TN2718	OUT	14/04/2010		11320	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170216	06WD1018	OUT	14/04/2010		16100	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
170230	06TN2718	OUT	14/04/2010		11260	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170235	06WD1018	OUT	14/04/2010		15900	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
170251	06TN2718	OUT	14/04/2010		10900	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170254	06WD1018	OUT	14/04/2010		15520	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
170261	06TN2718	OUT	14/04/2010		11380	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170264	06WD1018	OUT	14/04/2010		16020	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
170276	06TN2718	OUT	14/04/2010		10860	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170278	06WD1018	OUT	14/04/2010		16100	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
170284	06WD1018	OUT	15/04/2010		15280	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170285	02D861	OUT	15/04/2010		22700	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170290	06TN2718	OUT	15/04/2010		11240	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170294	06WD1018	OUT	15/04/2010		15920	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
170296	02D861	OUT	15/04/2010		22840	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170297	06TN2718	OUT	15/04/2010		11360	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170300	06WD1018	OUT	15/04/2010		16000	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
170306	02D861	OUT	15/04/2010		23200	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170308	06TN2718	OUT	15/04/2010		11100	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170317	10TN771	OUT	15/04/2010		12440	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170319	06TN2718	OUT	15/04/2010		11340	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE

Txn No	Vehicle	I/O	Date	Order No	Nett Kg	Charge	Account	Destination	Waste Description
170330	06TN2718	OUT	15/04/2010		11500	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170346	02D861	OUT	16/04/2010		23300	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170349	06TN2718	OUT	16/04/2010		10680	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170354	06TN2718	OUT	16/04/2010		10920	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170355	02D861	OUT	16/04/2010		23200	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170367	02D861	OUT	16/04/2010		21840	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170368	06TN2718	OUT	16/04/2010		11440	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170387	06TN2718	OUT	16/04/2010		11120	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170400	06TN2718	OUT	16/04/2010		11320	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170521	06TN2718	OUT	20/04/2010		11280	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170524	02D861	OUT	20/04/2010		23420	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170535	06WD1018	OUT	20/04/2010		16360	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
170539	06TN2718	OUT	20/04/2010		11380	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170542	02D861	OUT	20/04/2010		22940	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170569	06TN2718	OUT	20/04/2010		11300	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170570	06WD1018	OUT	20/04/2010		16400	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
170573	02D861	OUT	20/04/2010		23100	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170589	06WD1018	OUT	20/04/2010		15940	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
170592	02D861	OUT	20/04/2010		23120	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170593	06TN2718	OUT	20/04/2010		11280	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170606	06WD1018	OUT	20/04/2010		16160	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170609	06TN2718	OUT	20/04/2010		11420	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170613	02D861	OUT	20/04/2010		23080	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170621	06WD1018	OUT	20/04/2010		16040	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
170629	06TN2718	OUT	21/04/2010		9680	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170630	06WD1018	OUT	21/04/2010		13440	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170634	06WD1018	OUT	21/04/2010		15100	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170643	06TN2718	OUT	21/04/2010		11300	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170647	06WD1018	OUT	21/04/2010		15140	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170662	06TN2718	OUT	21/04/2010		11480	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170665	06WD1018	OUT	21/04/2010		15260	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170675	06TN2718	OUT	21/04/2010		11040	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170678	06WD1018	OUT	21/04/2010		16420	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170689	06WD1018	OUT	21/04/2010		16000	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
170691	06TN2718	OUT	22/04/2010		11160	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170694	06WD1018	OUT	22/04/2010		16420	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170697	06TN2718	OUT	22/04/2010		11320	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170698	06WD1018	OUT	22/04/2010		15760	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE

Txn No	Vehicle	I/O	Date	Order No	Nett Kg	Charge	Account	Destination	Waste Description
170707	06TN2718	OUT	22/04/2010		11240	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170708	06WD1018	OUT	22/04/2010		15900	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170719	06WD1018	OUT	22/04/2010		16100	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170722	06TN2718	OUT	22/04/2010		11440	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170726	06WD1018	OUT	22/04/2010		16180	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170731	06TN2718	OUT	22/04/2010		11280	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170741	06WD1018	OUT	22/04/2010		16140	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
170756	06TN2718	OUT	23/04/2010		11380	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170759	06WD1018	OUT	23/04/2010		15700	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170772	06TN2718	OUT	23/04/2010		11240	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170779	06WD1018	OUT	23/04/2010		16320	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170798	06WD1018	OUT	23/04/2010		16100	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170808	06TN2718	OUT	23/04/2010		11120	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170814	06WD1018	OUT	23/04/2010		16320	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170817	06TN2718	OUT	23/04/2010		11400	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170822	06TN2718	OUT	23/04/2010		11300	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170955	06WD1018	OUT	27/04/2010		16380	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170958	06TN2718	OUT	27/04/2010		11460	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170968	06WD1018	OUT	27/04/2010		16400	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170969	06TN2718	OUT	27/04/2010		11240	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170987	06WD1018	OUT	27/04/2010		16360	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
170989	06TN2718	OUT	27/04/2010		11400	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
171011	06WD1018	OUT	27/04/2010		16480	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
171015	06TN2718	OUT	27/04/2010		11140	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
171026	06WD1018	OUT	27/04/2010		16520	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
171036	06TN2718	OUT	27/04/2010		11540	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
171039	06WD1018	OUT	27/04/2010		14860	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
171052	06TN2718	OUT	28/04/2010		12160	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
171054	10TN771	OUT	28/04/2010		11700	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
171056	06TN2718	OUT	28/04/2010		11420	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
171057	10TN771	OUT	28/04/2010		12640	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
171069	06TN2718	OUT	28/04/2010		11380	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
171071	10TN771	OUT	28/04/2010		12480	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
171081	10TN771	OUT	28/04/2010		12480	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
171082	06TN2718	OUT	28/04/2010		10900	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
171083	10TN771	OUT	28/04/2010		12400	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
171099	06TN2718	OUT	28/04/2010		11500	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
171105	10TN771	OUT	28/04/2010		9540	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE

Txn No	Vehicle	I/O	Date	Order No	Nett Kg	Charge	Account	Destination	Waste Description
171117	10TN771	OUT	29/04/2010		12580	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
171122	10TN771	OUT	29/04/2010		12320	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
171471	06WD1018	OUT	06/05/2010		14860	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
171479	06WD1018	OUT	06/05/2010		16340	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
171496	06WD1018	OUT	06/05/2010		16400	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
171509	06WD1018	OUT	06/05/2010		16460	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
171516	06WD1018	OUT	06/05/2010		16320	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
171529	06WD1018	OUT	06/05/2010		16260	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
171539	06WD1018	OUT	07/05/2010		16240	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
171542	06WD1018	OUT	07/05/2010		16180	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
171556	06WD1018	OUT	07/05/2010		15300	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
171570	06WD1018	OUT	07/05/2010		15680	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
171576	06WD1018	OUT	07/05/2010		15720	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
171590	06WD1018	OUT	07/05/2010		14540	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
171699	10TN771	OUT	11/05/2010		11440	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
171714	10TN771	OUT	11/05/2010		11780	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
171735	10TN771	OUT	11/05/2010		11740	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
171749	10TN771	OUT	11/05/2010		11180	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
171756	10TN771	OUT	11/05/2010		11360	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
171762	10TN771	OUT	11/05/2010		11340	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
171770	06WD1018	OUT	11/05/2010		15860	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
171772	10TN771	OUT	11/05/2010		11600	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
172564	06WD1018	OUT	27/05/2010		14600	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
172579	06WD1018	OUT	27/05/2010		15900	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
172600	06WD1018	OUT	27/05/2010		14880	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
172612	06WD1018	OUT	27/05/2010		15120	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
172616	06WD1018	OUT	27/05/2010		15360	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
172630	06WD1018	OUT	27/05/2010		15020	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
172638	06WD1018	OUT	27/05/2010		14240	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
172645	06WD1018	OUT	28/05/2010		15740	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
172658	06TN1018	OUT	28/05/2010		15060	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
172670	06WD1018	OUT	28/05/2010		14860	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
172683	06WD1018	OUT	28/05/2010		15960	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
172692	06WD1018	OUT	28/05/2010		14560	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
173165	06WD1018	OUT	08/06/2010		15980	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
173173	06WD1018	OUT	08/06/2010		16200	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
173183	06WD1018	OUT	08/06/2010		16280	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
173190	06WD1018	OUT	08/06/2010		16380	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE

Txn No	Vehicle	I/O	Date	Order No	Nett Kg	Charge	Account	Destination	Waste Description
173198	06WD1018	OUT	08/06/2010		16120	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
173210	06WD1018	OUT	08/06/2010		15980	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
173225	06WD1018	OUT	09/06/2010		16320	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
173232	06WD1018	OUT	09/06/2010		16280	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
173240	06WD1018	OUT	09/06/2010		16000	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
173251	06WD1018	OUT	09/06/2010		16000	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
173261	06WD1018	OUT	09/06/2010		13900	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
173281	06TN1018	OUT	10/06/2010		16280	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
173284	06WD1018	OUT	10/06/2010		14420	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
173294	06WD1018	OUT	10/06/2010		15100	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
173309	10TN771	OUT	10/06/2010		12980	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
173319	10TN771	OUT	10/06/2010		13060	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
173337	10TN771	OUT	11/06/2010		12880	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
173353	10TN771	OUT	11/06/2010		12860	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
173371	10TN771	OUT	11/06/2010		12880	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
173383	10TN771	OUT	11/06/2010		13000	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
173391	10TN771	OUT	11/06/2010		12980	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
173506	06WD1018	OUT	15/06/2010		16360	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
173520	06WD1018	OUT	15/06/2010		16440	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
173529	06WD1018	OUT	15/06/2010		16320	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
173544	06WD1018	OUT	15/06/2010		16200	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
173563	06WD1018	OUT	15/06/2010		16400	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
173579	06WD1018	OUT	15/06/2010		16300	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
173584	06WD1018	OUT	15/06/2010		15140	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
173587	06WD1018	OUT	16/06/2010		16140	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
173601	06WD1018	OUT	16/06/2010		15920	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
173609	06WD1018	OUT	16/06/2010		14720	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
173626	06WD1018	OUT	16/06/2010		13380	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
173639	06WD1018	OUT	16/06/2010		12680	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
174738	02D861	OUT	07/07/2010		22940	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
174754	02D861	OUT	07/07/2010		23100	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
174770	02D861	OUT	07/07/2010		23100	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
174777	02D861	OUT	07/07/2010		23180	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
174793	02D861	OUT	07/07/2010		22940	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
175289	02D861	OUT	20/07/2010		22020	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
175306	02D861	OUT	20/07/2010		22960	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
175324	02D861	OUT	20/07/2010		22900	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
175339	02D861	OUT	20/07/2010		22900	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE

Txn No	Vehicle	I/O	Date	Order No	Nett Kg	Charge	Account	Destination	Waste Description
175352	02D861	OUT	20/07/2010		22900	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
175363	02D861	OUT	20/07/2010		22820	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
175367	06TN2718	OUT	21/07/2010		11440	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
175375	06TN2718	OUT	21/07/2010		10780	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
175382	06TN2718	OUT	21/07/2010		10700	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
175397	06TN2718	OUT	21/07/2010		11220	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
175411	06TN2718	OUT	21/07/2010		11160	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
175416	06TN2718	OUT	22/07/2010		10400	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
175421	06TN2718	OUT	22/07/2010		10480	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
175428	06TN2718	OUT	22/07/2010		10380	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
175442	06TN2718	OUT	22/07/2010		11140	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
175450	06TN2718	OUT	22/07/2010		11020	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
175471	06TN2718	OUT	23/07/2010		10860	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
175478	06TN2718	OUT	23/07/2010		10740	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
175496	06TN2718	OUT	23/07/2010		10700	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
175510	06TN2718	OUT	23/07/2010		10580	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
175519	06TN2718	OUT	23/07/2010		10800	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
175974	02D861	OUT	04/08/2010		22920	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
175978	02D861	OUT	04/08/2010		22120	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
175995	02D861	OUT	04/08/2010		23100	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
176012	02D861	OUT	04/08/2010		22780	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
176018	02D861	OUT	04/08/2010		23160	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
176037	02D861	OUT	05/08/2010		23160	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
176041	02D861	OUT	05/08/2010		23220	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
176049	02D861	OUT	05/08/2010		23240	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
176065	02D861	OUT	05/08/2010		23240	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
176074	02D861	OUT	05/08/2010		23280	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
176549	02D861	OUT	17/08/2010		23120	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
177189	02D861	OUT	01/09/2010		23120	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
177197	02D861	OUT	01/09/2010		23180	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
177208	02D861	OUT	01/09/2010		22740	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
177213	02D861	OUT	01/09/2010		22840	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
177223	06WD1018	OUT	02/09/2010		15920	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
177231	06WD1018	OUT	02/09/2010		15060	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
177241	06WD1018	OUT	02/09/2010		14920	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
177250	06WD1018	OUT	02/09/2010		15620	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
177253	06WD1018	OUT	02/09/2010		14560	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
177263	06WD1018	OUT	02/09/2010		15360	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE

Txn No	Vehicle	I/O	Date	Order No	Nett Kg	Charge	Account	Destination	Waste Description
177271	06WD1018	OUT	03/09/2010		16260	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
177279	06WD1018	OUT	03/09/2010		14960	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
177295	06WD1018	OUT	03/09/2010		15220	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
177302	06WD1018	OUT	03/09/2010		15400	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
177313	02D861	OUT	03/09/2010		20620	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
177416	02D861	OUT	07/09/2010		20440	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
177427	02D861	OUT	07/09/2010		22420	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
177448	02D861	OUT	07/09/2010		22800	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
177457	02D861	OUT	07/09/2010		22780	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
177466	02D861	OUT	07/09/2010		22660	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
177470	02D861	OUT	08/09/2010		20560	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
177477	02D861	OUT	08/09/2010		22920	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
177496	10TN771	OUT	08/09/2010		8620	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
177507	10TN771	OUT	08/09/2010		13160	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
177520	10TN771	OUT	08/09/2010		13340	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
177527	06WD1018	OUT	09/09/2010		14080	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
177531	06WD1018	OUT	09/09/2010		14700	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
177541	06WD1018	OUT	09/09/2010		13780	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
177555	06WD1018	OUT	09/09/2010		13900	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
177563	06WD1018	OUT	09/09/2010		10260	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
177568	06WD1018	OUT	10/09/2010		14280	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
177575	06WD1018	OUT	10/09/2010		13820	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
177587	06WD1018	OUT	10/09/2010		13900	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
177600	06WD1018	OUT	10/09/2010		13560	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
177611	06WD1018	OUT	10/09/2010		13740	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
177704	02D861	OUT	14/09/2010		20880	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
177714	02D861	OUT	14/09/2010		22720	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
177728	02D861	OUT	14/09/2010		22960	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
177740	02D861	OUT	14/09/2010		11080	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
177753	02D861	OUT	14/09/2010		22760	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
177762	06TN2718	OUT	15/09/2010		11400	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
177765	02D861	OUT	15/09/2010		22860	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
177770	06TN2718	OUT	15/09/2010		11300	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
177772	02D861	OUT	15/09/2010		22820	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
177781	06TN2718	OUT	15/09/2010		11240	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
177782	02D861	OUT	15/09/2010		22920	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
177789	06TN2718	OUT	15/09/2010		9040	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
177794	02D861	OUT	15/09/2010		20800	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE

Txn No	Vehicle	I/O	Date	Order No	Nett Kg	Charge	Account	Destination	Waste Description
177801	06TN2718	OUT	15/09/2010		10700	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
177803	02D861	OUT	15/09/2010		18960	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
177814	02D861	OUT	16/09/2010		22980	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
177815	06TN2718	OUT	16/09/2010		11300	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
177823	06TN2718	OUT	16/09/2010		11360	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
177825	02D861	OUT	16/09/2010		17140	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
177828	06TN2718	OUT	16/09/2010		11400	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
177832	02D861	OUT	16/09/2010		22900	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
177837	06TN2718	OUT	16/09/2010		11340	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
177845	02D861	OUT	16/09/2010		16240	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
177846	06TN2718	OUT	16/09/2010		11280	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
177858	06TN2718	OUT	17/09/2010		11340	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
177859	06WD1018	OUT	17/09/2010		15340	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
177864	06TN2718	OUT	17/09/2010		11200	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
177867	06WD1018	OUT	17/09/2010		14640	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
177879	06TN2718	OUT	17/09/2010		11300	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
177881	06WD1018	OUT	17/09/2010		15300	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
177890	06TN2718	OUT	17/09/2010		11340	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
177891	06WD1018	OUT	17/09/2010		14380	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
177899	06WD1018	OUT	17/09/2010		14620	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
177900	06TN2718	OUT	17/09/2010		11000	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178009	06TN2718	OUT	21/09/2010		11240	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178015	06TN2718	OUT	21/09/2010		11340	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178021	06TN2718	OUT	21/09/2010		11340	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178034	06TN2718	OUT	21/09/2010		11340	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178047	06TN2718	OUT	21/09/2010		11400	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178055	02D861	OUT	22/09/2010		20640	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178056	06TN2718	OUT	22/09/2010		11260	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178064	06TN2718	OUT	22/09/2010		11320	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178065	02D861	OUT	22/09/2010		22800	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178069	06TN2718	OUT	22/09/2010		11340	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178075	02D861	OUT	22/09/2010		22840	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178084	06TN2718	OUT	22/09/2010		11400	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178089	02D861	OUT	22/09/2010		23180	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178091	06TN2718	OUT	22/09/2010		11420	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178101	02D861	OUT	23/09/2010		15600	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178102	06TN2718	OUT	23/09/2010		11240	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178108	06TN2718	OUT	23/09/2010		11360	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE

Txn No	Vehicle	I/O	Date	Order No	Nett Kg	Charge	Account	Destination	Waste Description
178109	02D861	OUT	23/09/2010		23360	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178117	06TN2718	OUT	23/09/2010		11340	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178123	06TN2718	OUT	23/09/2010		11380	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178126	02D861	OUT	23/09/2010		23220	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178131	06TN2718	OUT	23/09/2010		11400	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178134	02D861	OUT	23/09/2010		23100	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178144	06WD1018	OUT	24/09/2010		14520	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178145	06TN2718	OUT	24/09/2010		11340	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178154	06TN2718	OUT	24/09/2010		11460	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178155	06WD1018	OUT	24/09/2010		14600	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178168	06WD1018	OUT	24/09/2010		15540	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178169	06TN2718	OUT	24/09/2010		11360	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178176	06WD1018	OUT	24/09/2010		14700	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178177	06TN2718	OUT	24/09/2010		11300	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178180	06WD1018	OUT	24/09/2010		14280	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178183	06TN2718	OUT	24/09/2010		10940	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178187	06WD1018	OUT	24/09/2010		14960	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178293	02D861	OUT	28/09/2010		23380	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178311	02D861	OUT	28/09/2010		22380	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178350	10TN771	OUT	28/09/2010		12640	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
178351	02D861	OUT	28/09/2010		23040	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178354	06WD1018	OUT	28/09/2010		14540	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
178359	02D861	OUT	29/09/2010		22700	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178367	02D861	OUT	29/09/2010		22920	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178375	02D861	OUT	29/09/2010		22900	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178385	02D861	OUT	29/09/2010		22780	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178390	02D861	OUT	29/09/2010		22460	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178399	02D861	OUT	29/09/2010		21920	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
178404	06WD1018	OUT	30/09/2010		15040	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178412	06WD1018	OUT	30/09/2010		15160	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178416	06WD1018	OUT	30/09/2010		14980	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178422	06WD1018	OUT	30/09/2010		15180	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178427	06WD1018	OUT	30/09/2010		15320	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178433	06WD1018	OUT	30/09/2010		15300	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178446	06WD1018	OUT	30/09/2010		15280	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
178449	06WD1018	OUT	01/10/2010		14640	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178460	06WD1018	OUT	01/10/2010		14460	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178475	06WD1018	OUT	01/10/2010		14700	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE

Txn No	Vehicle	I/O	Date	Order No	Nett Kg	Charge	Account	Destination	Waste Description
178489	06WD1018	OUT	01/10/2010		14800	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178499	06WD1018	OUT	01/10/2010		14580	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178506	06WD1018	OUT	01/10/2010		14480	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
178862	06TN2718	OUT	12/10/2010		11200	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178863	02D861	OUT	12/10/2010		23260	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178867	06TN2718	OUT	12/10/2010		11240	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178875	02D861	OUT	12/10/2010		22780	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178879	06TN2718	OUT	12/10/2010		11240	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178886	02D861	OUT	12/10/2010		23060	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178887	06TN2718	OUT	12/10/2010		10920	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178895	02D861	OUT	12/10/2010		22620	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178902	06TN2718	OUT	12/10/2010		11380	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178907	02D861	OUT	12/10/2010		23120	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178920	06TN2718	OUT	13/10/2010		11380	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178925	06TN2718	OUT	13/10/2010		11360	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178934	06TN2718	OUT	13/10/2010		11260	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178945	06TN2718	OUT	13/10/2010		11380	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178952	06TN2718	OUT	13/10/2010		11220	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178960	06TN2718	OUT	14/10/2010		11240	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178966	06TN2718	OUT	14/10/2010		11380	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178972	06TN2718	OUT	14/10/2010		11360	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178983	06TN2718	OUT	14/10/2010		11260	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
178988	06TN2718	OUT	14/10/2010		10800	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
179001	06TN2718	OUT	15/10/2010		11260	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
179006	06TN2718	OUT	15/10/2010		11200	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
179011	06TN2718	OUT	15/10/2010		11160	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
179026	06TN2718	OUT	15/10/2010		11320	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
179031	06TN2718	OUT	15/10/2010		11300	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
179466	02D861	OUT	28/10/2010		21020	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
179475	02D861	OUT	28/10/2010		22600	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
179490	02D861	OUT	28/10/2010		22920	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
179500	02D861	OUT	28/10/2010		22920	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
179509	02D861	OUT	28/10/2010		22920	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
179524	06WD1018	OUT	29/10/2010		15820	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
179532	06WD1018	OUT	29/10/2010		15320	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
179539	06WD1018	OUT	29/10/2010		14840	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
179546	06WD1018	OUT	29/10/2010		14680	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
179674	02D861	OUT	02/11/2010		22240	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE

Txn No	Vehicle	I/O	Date	Order No	Nett Kg	Charge	Account	Destination	Waste Description
179690	02D861	OUT	02/11/2010		22980	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
179709	02D861	OUT	02/11/2010		23020	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
179726	02D861	OUT	03/11/2010		23100	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
179728	06TN2718	OUT	03/11/2010		11460	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
179735	06TN2718	OUT	03/11/2010		11180	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
179736	02D861	OUT	03/11/2010		22900	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
179741	06TN2718	OUT	03/11/2010		11240	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
179743	02D861	OUT	03/11/2010		22980	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
179748	06TN2718	OUT	03/11/2010		11320	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
179750	02D861	OUT	03/11/2010		22820	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
179757	06TN2718	OUT	03/11/2010		11220	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
179758	02D861	OUT	03/11/2010		22900	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
179768	06TN2718	OUT	04/11/2010		11260	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
179770	02D861	OUT	04/11/2010		23020	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
179776	06TN2718	OUT	04/11/2010		10900	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
179777	02D861	OUT	04/11/2010		22960	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
179784	06TN2718	OUT	04/11/2010		11120	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
179787	02D861	OUT	04/11/2010		22940	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
179789	06TN2718	OUT	04/11/2010		10940	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
179794	06TN2718	OUT	04/11/2010		11240	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
179802	02D861	OUT	04/11/2010		22900	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
179803	06TN2718	OUT	04/11/2010		10980	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
179812	06TN2718	OUT	04/11/2010		10960	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
179820	06TN2718	OUT	05/11/2010		11120	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
179826	06TN2718	OUT	05/11/2010		10880	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
179832	06TN2718	OUT	05/11/2010		10960	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
179845	06TN2718	OUT	05/11/2010		11060	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
179853	06TN2718	OUT	05/11/2010		10800	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
179865	06TN2718	OUT	05/11/2010		10820	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
179997	02D861	OUT	09/11/2010		22460	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
180017	02D861	OUT	09/11/2010		22860	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
180022	02D861	OUT	10/11/2010		23340	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
180029	02D861	OUT	10/11/2010		22860	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
180035	02D861	OUT	10/11/2010		22940	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
180050	02D861	OUT	10/11/2010		22980	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
180065	02D861	OUT	10/11/2010		22920	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
180080	02D861	OUT	11/11/2010		23020	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
180086	02D861	OUT	11/11/2010		22660	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE

Txn No	Vehicle	I/O	Date	Order No	Nett Kg	Charge	Account	Destination	Waste Description
180091	02D861	OUT	11/11/2010		22860	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
180097	02D861	OUT	11/11/2010		22980	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
180099	02D861	OUT	11/11/2010		23020	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
180102	10TN771	OUT	12/11/2010		12660	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
180111	10TN771	OUT	12/11/2010		12740	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
180119	10TN771	OUT	12/11/2010		12660	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
180132	10TN771	OUT	12/11/2010		12580	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
180144	10TN771	OUT	12/11/2010		12680	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
180242	06TN2718	OUT	16/11/2010		11100	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
180246	06TN2718	OUT	16/11/2010		11220	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
180259	06TN2718	OUT	16/11/2010		10980	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
180275	06TN2718	OUT	16/11/2010		11240	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
180289	06TN2718	OUT	16/11/2010		11100	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
180302	06TN2718	OUT	16/11/2010		11240	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
180312	06TN2718	OUT	17/11/2010		10860	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
180314	06TN2718	OUT	17/11/2010		11040	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
180322	06TN2718	OUT	17/11/2010		11080	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
180331	06TN2718	OUT	17/11/2010		10800	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
180335	06TN2718	OUT	17/11/2010		11000	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
180351	06TN2718	OUT	17/11/2010		11200	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
180356	06TN2718	OUT	18/11/2010		10920	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
180362	06TN2718	OUT	18/11/2010		10620	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
180369	06TN2718	OUT	18/11/2010		10660	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
180385	06TN2718	OUT	18/11/2010		11060	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
180391	06TN2718	OUT	18/11/2010		11160	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
180399	06TN2718	OUT	18/11/2010		10800	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
180411	06TN2718	OUT	18/11/2010		10880	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
180416	06TN2718	OUT	19/11/2010		10860	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
180420	06TN2718	OUT	19/11/2010		10760	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
180427	06TN2718	OUT	19/11/2010		10740	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
180434	06TN2718	OUT	19/11/2010		10840	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
180441	06TN2718	OUT	19/11/2010		10800	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
180455	06TN2718	OUT	19/11/2010		10820	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
180839	06TN2718	OUT	30/11/2010		12180	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
180849	06TN2718	OUT	30/11/2010		11300	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
180857	06TN2718	OUT	30/11/2010		10540	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
180863	06TN2718	OUT	30/11/2010		10500	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
180871	06TN2718	OUT	30/11/2010		10640	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE

Txn No	Vehicle	I/O	Date	Order No	Nett Kg	Charge	Account	Destination	Waste Description
180877	10TN771	OUT	01/12/2010		12160	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
180879	06TN2718	OUT	01/12/2010		11340	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
180882	06TN2718	OUT	01/12/2010		11180	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
180883	10TN771	OUT	01/12/2010		11560	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
180886	06TN2718	OUT	01/12/2010		11200	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
180887	10TN771	OUT	01/12/2010		11520	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
180897	06TN2718	OUT	01/12/2010		11100	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
180898	10TN771	OUT	01/12/2010		12020	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
180906	06TN2718	OUT	01/12/2010		11260	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
180907	10TN771	OUT	01/12/2010		11900	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
180914	06TN2718	OUT	01/12/2010		11280	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
180915	10TN771	OUT	01/12/2010		12040	0.00	BALLAGHVENY LANDFILL	ROSCREA WWTP	LEACHATE
180919	07TN733	OUT	02/12/2010		12440	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
180926	07TN733	OUT	02/12/2010		11480	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
180930	07TN733	OUT	02/12/2010		11260	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
180935	07TN733	OUT	02/12/2010		11320	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
180944	10TN771	OUT	03/12/2010		12340	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
180956	10TN771	OUT	03/12/2010		11980	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
181384	06TN2718	OUT	16/12/2010		12160	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
181385	10TN771	OUT	16/12/2010		11560	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
181394	10TN771	OUT	16/12/2010		12320	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
181396	06TN2718	OUT	16/12/2010		11340	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
181407	10TN771	OUT	16/12/2010		12360	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
181418	06TN2718	OUT	16/12/2010		11380	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
181420	10TN771	OUT	16/12/2010		12460	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
181427	10TN771	OUT	16/12/2010		12260	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
181429	06TN2718	OUT	16/12/2010		10880	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
181442	10TN771	OUT	16/12/2010		12360	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
181444	06TN2718	OUT	16/12/2010		10780	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
181450	06TN2718	OUT	17/12/2010		12300	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
181451	10TN771	OUT	17/12/2010		12640	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
181460	10TN771	OUT	17/12/2010		12340	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
181462	06TN2718	OUT	17/12/2010		11400	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
181475	10TN771	OUT	17/12/2010		12320	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE
181476	06TN2718	OUT	17/12/2010		11260	0.00	BALLAGHVENY LANDFILL	NENAGH WWTP	LEACHATE

Txn No	Vehicle	I/O	Date	Order No	Nett Kg	Charge	Account	Destination	Waste Description
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Total Records : 1132

Total Nett : 17,203,180 Kg

Report End...

Total Charge : €0.00

Appendix 7

Leachate Management Assessment Report

**Certification of Leachate Management Structures
Ballaghveny Landfill Waste Licence 78-02**

The leachate management structures at Ballaghveny Landfill consist of the leachate lagoon and the leachate collection system within the landfill including leachate collection chambers in Phase 1 (Cells 6-8) and in Phase 2 (Cells 9-11).

A Construction Quality Assurance (CQA) report was prepared on behalf of North Tipperary County Council by an independent firm, Metlab International Ltd, Cork, in December 2001 which provided verification of the leachate structures associated with the development of Phase 1 which including the leachate lagoon. The leachate collection pipework to the leachate chamber was also tested at the time of installation in accordance with the required standards. A visual inspection of the leachate tank and pipework was conducted during the monitoring period by a RPS Consulting Engineers and there would not appear to be any visible integrity issue with either system. The groundwater monitoring location MP2 in the vicinity of the leachate lagoon also does not demonstrate any integrity issues with the lagoon.

We therefore certify the integrity of the leachate management structures at Ballaghveny Landfill as required under Condition 6.16 of Waste Licence 78-02.



David Cronin
Senior Design Engineer
For RPS Consulting Engineers

5th June 2008

Appendix 8

Water Balance Calculation

Water Balance Calculation - Ballaghveny Landfill (March 2011)															
Year	Year	Active Cell	Active area (m ²)	Annual Rainfall (mm)	P.E. (mm)	A.E. (mm)	Effective Rainfall (mm)	Active area infiltration (m ³)	Restored Phase No.	Liquid Waste (m ³)	Restored area (m ²)	Infiltration to restored area (%)	Restored area infiltration (m ³)	Annual Leachate (m ³)	Cumulative leachate (m ³)
2007	4	6,7,8,9,10, W	50,459	804	0	0	804	40,569	3,4,5	0	13,070	20	2,102	42,671	132,153
2008	5	(50% 6,7,8) 9,10,W	40,468	804	0	0	804	32,536	3,4,5 (50% 6,7,8)	0	23,062	20	3,708	36,244	168,397
2009	6	9,10,W	30,476	804	0	0	804	24,503	3,4,5,6,7,8	0	33,053	20	5,315	29,818	198,214
2010	7	9,10,W	30,476	804	0	0	804	24,503	3,4,5,6,7,8,	0	33,053	20	5,315	29,818	198,214
2010	7	9, 10 (50%)	19,738	804	0	0	804	15,869	3,4,5,6,7,8, W	0	55,417	20	8,911	24,780	222,995
2011	8	10 (50%)	4,056	804	0	0	804	3,261	3,4,5,6,7,8,9, W	0	39,735	20	6,389	9,650	232,645
2012	9	none	0	804	0	0	804	0	3,4,5,6,7,8,9,10 (50%), W	0	59,473	20	9,563	9,563	242,209
2013	10	none	0	804	0	0	804	0	3,4,5,6,7,8,9,10 (50%), W	0	59,473	20	9,563	9,563	251,772
2014	11	none	0	804	0	0	804	0	3,4,5,6,7,8,9,10 (50%), W	0	59,473	20	9,563	9,563	261,335
2015	12	none	0	804	0	0	804	0	3,4,5,6,7,8,9,10 (50%), W	0	59,473	20	9,563	9,563	270,898
2016	13	none	0	804	0	0	804	0	3,4,5,6,7,8,9,10 (50%), W	0	59,473	20	9,563	9,563	280,462
2017	14	none	0	804	0	0	804	0	3,4,5,6,7,8,9,10 (50%), W	0	59,473	20	9,563	9,563	290,025
2018	15	none	0	804	0	0	804	0	3,4,5,6,7,8,9,10 (50%), W	0	59,473	20	9,563	9,563	299,588
2019	16	none	0	804	0	0	804	0	3,4,5,6,7,8,9,10 (50%), W	0	59,473	20	9,563	9,563	309,151
2020	17	none	0	804	0	0	804	0	3,4,5,6,7,8,9,10 (50%), W	0	59,473	20	9,563	9,563	318,715
2021	18	none	0	804	0	0	804	0	3,4,5,6,7,8,9,10 (50%), W	0	59,473	20	9,563	9,563	328,278
2022	19	none	0	804	0	0	804	0	3,4,5,6,7,8,9,10 (50%), W	0	59,473	20	9,563	9,563	337,841
2023	20	none	0	804	0	0	804	0	3,4,5,6,7,8,9,10 (50%), W	0	59,473	20	9,563	9,563	347,404
2024	21	none	0	804	0	0	804	0	3,4,5,6,7,8,9,10 (50%), W	0	59,473	20	9,563	9,563	356,968
2025	22	none	0	804	0	0	804	0	3,4,5,6,7,8,9,10 (50%), W	0	59,473	20	9,563	9,563	366,531
2026	23	none	0	804	0	0	804	0	3,4,5,6,7,8,9,10 (50%), W	0	59,473	20	9,563	9,563	376,094
2027	24	none	0	804	0	0	804	0	3,4,5,6,7,8,9,10 (50%), W	0	59,473	20	9,563	9,563	385,657
2028	25	none	0	804	0	0	804	0	3,4,5,6,7,8,9,10 (50%), W	0	59,473	20	9,563	9,563	395,221
2029	26	none	0	804	0	0	804	0	3,4,5,6,7,8,9,10 (50%), W	0	59,473	20	9,563	9,563	404,784
2030	27	none	0	804	0	0	804	0	3,4,5,6,7,8,9,10 (50%), W	0	59,473	20	9,563	9,563	414,347
2031	28	none	0	804	0	0	804	0	3,4,5,6,7,8,9,10 (50%), W	0	59,473	20	9,563	9,563	423,910
2032	29	none	0	804	0	0	804	0	3,4,5,6,7,8,9,10 (50%), W	0	59,473	20	9,563	9,563	433,474
2033	30	none	0	804	0	0	804	0	3,4,5,6,7,8,9,10 (50%), W	0	59,473	20	9,563	9,563	443,037
2034	31	none	0	804	0	0	804	0	3,4,5,6,7,8,9,10 (50%), W	0	59,473	20	9,563	9,563	452,600
									Cell Areas (measured in plan)						
		Annual Rainfall (mm):	804	mm					Cell 3,4,5	13,070	m ²				
									Cells 6,7,8	19,983	m ²				
		Note: The above Water Balance calculation has been updated to take account of the temporary closure of the landfill in February 2011 and assumes no filling of waste after this date. Should a landfilling programme recommence, this water balance calculation will be updated accordingly							Cell 9	15,682	m ²				
									Cell 10	8,112	m ²				
									Cell 11	6,849	m ²				
		Leachate Lagoon volume:	694	m ³					Wedge Area (W)	6,682	m ²				

Appendix 9

Annual Bird Control Report



Littlebridge Inches, Cappoquin, Co. Waterford, Ireland

Year End Report for Ballaghveny Landfill Site

January 2010 – December 2010

Location: Ballaghveny Landfill, Nenagh, Co Tipperary

Type: Landfill Site

Client: North Tipperary, County Council

BCI Ltd. operated a bird control programme at Ballaghveny between January 2010 and December 2010. During each visit to the site a *Visit Log* was completed giving details of activities for the period. A *Month End Report* was compiled from the *Visit Logs* and submitted to North Tipperary County Council.

During the year various types of scaring devices were used to include:

- Falcons & Hawks, Hele Kites, Hawk Kites & Balloons
- Species Specific Distress Calls and Flapping Kites
- Fire Arms & Bird Scaring Pistol.

Site staff were responsible for daily deployment of Visual Deterrents (kites and balloons) and Distress Calls. The staff applied equipment diligently and adapted as necessary. A suggested plan of action was marked out on a site plan board by BCI each week. The staff enthusiastic and helpful at all times.

Kites, Falcons and Hawks are the visual cue for scavenging birds that danger is lurking. The site Bird Scaring Pistol was used as required. Every other Bird Control Measure was then employed to ensure that no pest birds visited the site.

During November and December birds numbers were high at time of arrival on site. Rook, Jackdaw and Herring Gull were noted to be the problem birds. In each case the problem birds were moved off using specific techniques to include distress calls and pyrotechnics.



Littlebridge Inches, Cappoquin, Co. Waterford, Ireland

No birds were recorded on site for 7 out of 12 visits, as can be seen from the charts. Once equipment was deployed and the site patrolled the site is virtually free of birds during operational hours though this was only achieved because both parties in this jointly operated programme worked the plan.

Loss of Equipment

Part of proposal for bird control program was as follows:

Provide Automatic Distress Call System for 3 months @ no rental charge (ordinarily € 100.00 per/week)

The new program commenced on the 1st March 2010 after the 3 month period distress call system was left for use on site in good faith as June & July are times of high bird pressure with young rooks.

In September 2010 it was noted that the system was missing from site and has since not been recovered. The distress call system consisted of:

<i>Description</i>	<i>Replacement Price</i>
One Shot Processing Unit x 1	€ 900.00
10W Speakers x 2	€ 220.00
Marine Battery x 1	<u>€ 250.00</u>
Total replacement cost	€ 1370.00 ex VAT.

In conclusion, gulls are the most persistent bird that attempt to raid Ballaghveny Landfill on occasions, usually during times of inclement weather.

Bird Control Ireland Ltd are pleased with the results achieved at Ballaghveny Landfill Site during 2010 and this level of control is to be expected to remain as the current programme continues.

Jeremy Nicholson
Managing Director

Appendix 10

Annual Vermin Control Report



Justine Haugh,
Facility Manager
Ballaghveney Landfill Site.
18/3/2011

Justine,

The following is a progress report on the Pest Management Plan at Ballaghveney Landfill facility.

The service agreement provides for:

- Eight rodent control service visits per year at regular intervals the facility and three adjoining properties.
- Any emergency calls to be responded to on the day at no extra charge.
- Each service visit to be documented in a service report folder, which will also contain a computer generated plan of all bait points and material safety data sheets for each product used.
- A signed copy of each service report and an annual report on the performance of the pest management plan.

The products used to control rodent activity are “Sakarot” a warfarin based anticoagulant rodenticide used in external tamper resistant bait stations and “Klerat” a brodifacoum based anticoagulant in tamper resistant bait stations used only in the main office.

Annual update:

In the last year we have serviced the facility on 12 occasions.

We have installed new external tamper resistant bait stations at:

Main Compound at main office (2 replaced)

Tip Head (5 replaced)

Hogans (3 replaced)

Treatment for wasp infestation was carried out at the container and skip compound

2 emergency calls were also responded to within the day of the call.

Bait stations are regularly installed in line with site development We regularly replace bait stations, where missing or damaged, with new ones as required we have installed new bait stations along boundary areas and where new areas have been worked on and areas where reports of increased rodent activity were noted. We

have also replaced several bait stations which were damaged by machinery movement.

We have also treated the public recycling area for flies and wasps

Rodent activity is controlled by the regular servicing and the service reports show that where activity occurs, it is dealt with before an infestation develops and quickly controlled.

The pest management plan at this facility is working well and the effective cooperation between site staff and pest control technicians continues to ensure this.

Qualifications:

Curtin Pest Control is a founder member of the Irish Pest Control Association and each technician holds an IPCA diploma. We hold a Diploma in Environmental Pest Management from University College, Cork.

We also offer a presentation to staff on practical pest management precautions.

If you have any further queries please contact me at 061 419901 or 087 6484119 or email scpestcontrol@eircom.net

Pat Roche
Managing Director,
Sean Curtin Pest Control Ltd.

Tel 061 419901- Email: rocheservices@gmail.com

Appendix 11

PRTR Emissions Data

[Guidance to completing the PRTR workbook](#)

AER Returns Workbook

Version 1.1.11

REFERENCE YEAR	2010
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1. FACILITY IDENTIFICATION

Parent Company Name	North Tipperary County Council
Facility Name	Ballaghveny Landfill
PRTR Identification Number	W0078
Licence Number	W0078-03

Waste or IPPC Classes of Activity

No.	class_name
3.5	Specially engineered landfill, including placement into lined discrete cells which are capped and isolated from one another and the environment.
3.1	Deposit on, in or under land (including landfill).
3.11	Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule.
3.12	Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule.
3.13	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.
3.2	Land treatment, including biodegradation of liquid or sludge discards in soils.
3.4	Surface impoundment, including placement of liquid or sludge discards into pits, ponds or lagoons.
4.10	The treatment of any waste on land with a consequential benefit for an agricultural activity or ecological system.
4.11	Use of waste obtained from any activity referred to in a preceding paragraph of this Schedule.
4.13	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.
4.2	Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes).
4.3	Recycling or reclamation of metals and metal compounds.
4.4	Recycling or reclamation of other inorganic materials.
Address 1	Ballymackey
Address 2	Co. Tipperary
Address 3	
Address 4	
Country	Ireland
Coordinates of Location	-7.46859 53.2333
River Basin District	IEGBNISH
NACE Code	3821
Main Economic Activity	Treatment and disposal of non-hazardous waste
AER Returns Contact Name	Olga Doyle (W0078)
AER Returns Contact Email Address	olga.doyle@northtippcoco.ie
AER Returns Contact Position	Landfill Manager
AER Returns Contact Telephone Number	067 29991
AER Returns Contact Mobile Phone Number	087 2794170
AER Returns Contact Fax Number	067 29975
Production Volume	0.0
Production Volume Units	
Number of Installations	0
Number of Operating Hours in Year	0
Number of Employees	0
User Feedback/Comments	
Web Address	

2. PRTR CLASS ACTIVITIES

Activity Number	Activity Name
5(d)	Landfills
5(c)	Installations for the disposal of non-hazardous waste
5(d)	Landfills
50.1	General

3. SOLVENTS REGULATIONS (S.I. No. 543 of 2002)

Is it applicable?	
Have you been granted an exemption ?	
If applicable which activity class applies (as per Schedule 2 of the regulations) ?	
Is the reduction scheme compliance route being used ?	

4.1 RELEASES TO AIR

[Link to previous years emissions data](#)

[PRTR# : W0078 | Facility Name : Ballaghveny Landfill | Filename : Appendix 11.xls | Return Year : 2010]

26/5/2011 10:11

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

RELEASES TO AIR		Please enter all quantities in this section in KGs						
POLLUTANT		METHOD			QUANTITY			
No. Annex II	Name	M/C/E	Method Used		Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
			Method Code	Designation or Description				
03	Carbon dioxide (CO2)	E	ESTIMATE	GASSIM	506468.0	506468.0	0.0	0.0
01	Methane (CH4)	E	ESTIMATE	B. Hyde Calculation	294767.0	294767.0	0.0	0.0
02	Carbon monoxide (CO)	E	ESTIMATE	GASSIM	44.68	44.68	0.0	0.0
					0.0	0.0	0.0	0.0

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

SECTION B : REMAINING PRTR POLLUTANTS

RELEASES TO AIR		Please enter all quantities in this section in KGs						
POLLUTANT		METHOD			QUANTITY			
No. Annex II	Name	M/C/E	Method Used		Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
			Method Code	Designation or Description				
56	1,1,2,2-tetrachloroethane	E	ESTIMATE	GASSIM	0.0	0.0	0.0	0.0
52	Benzene	E	ESTIMATE	GASSIM	0.72	0.72	0.0	0.0
15	Chlorofluorocarbons (CFCs)	E	ESTIMATE	GASSIM	0.61	0.61	0.0	0.0
35	Dichloromethane (DCM)	E	ESTIMATE	GASSIM	33.11	33.11	0.0	0.0
14	Hydrochlorofluorocarbons (HCFCs)	E	ESTIMATE	GASSIM	1.1	1.1	0.0	0.0
72	Polycyclic aromatic hydrocarbons (PAHs)	E	ESTIMATE	GASSIM	31.46	31.46	0.0	0.0
52	Tetrachloroethylene (PER)	E	ESTIMATE	GASSIM	0.3	0.3	0.0	0.0
73	Toluene	E	ESTIMATE	GASSIM	3.31	3.31	0.0	0.0
54	Trichlorobenzenes (TCBs)(all isomers)	E	ESTIMATE	GASSIM	0.02	0.02	0.0	0.0
57	Trichloroethylene	E	ESTIMATE	GASSIM	3.86	3.86	0.0	0.0
58	Trichloromethane	E	ESTIMATE	GASSIM	0.69	0.69	0.0	0.0
80	Vinyl chloride	E	ESTIMATE	GASSIM	4.42	4.42	0.0	0.0
78	Xylenes	E	ESTIMATE	GASSIM	5.52	5.52	0.0	0.0

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

SECTION C : REMAINING POLLUTANT EMISSIONS (As required in your Licence)

RELEASES TO AIR		Please enter all quantities in this section in KGs						
POLLUTANT		METHOD			QUANTITY			
Pollutant No.	Name	M/C/E	Method Used		Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
			Method Code	Designation or Description				
					0.0	0.0	0.0	0.0

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

Additional Data Requested from Landfill operators

For the purposes of the National Inventory on Greenhouse Gases, landfill operators are requested to provide summary data on landfill gas (Methane) flared or utilised on their facilities to accompany the figures for total methane generated. Operators should only report their Net methane (CH4) emission to the environment under T(total) KG/yr for Section A: Sector specific PRTR pollutants above. Please complete the table below:

Landfill: Please enter summary data on the quantities of methane flared and / or utilised	Ballaghveny Landfill				
	T (Total) kg/Year	M/C/E	Method Used		Facility Total Capacity m3 per hour
			Method Code	Designation or Description	
Total estimated methane generation (as per site model)	835047.0	E	ESTIMATE	GASSIM	N/A
Methane flared	540280.0	E	ESTIMATE	B.HYDE CALCULATION	500.0 (Total Flaring Capacity)
Methane utilised in engine/s	0.0				0.0 (Total Utilising Capacity)
Net methane emission (as reported in Section A above)	294767.0	E	ESTIMATE	GEN.-FLARED=EMISSION	N/A

4.2 RELEASES TO WATERS

[Link to previous years emissions data](#)

| PRTR# : W0078 | Facility Name : Ballaghveny Landfill | Filename : Appendix 11.xls | Return Year : 2010 |

26/5/2011 10:11

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

Data on ambient monitoring of storm/surface water or groundwater, conducted as part of your licence requirements, should NOT be submitted under AER / PRTR Reporting as this only concerns Releases from your facility

RELEASES TO WATERS					Please enter all quantities in this section in KGs			
POLLUTANT		Method Used			QUANTITY			
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					0.0	0.0	0.0	0.0

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

SECTION B : REMAINING PRTR POLLUTANTS

RELEASES TO WATERS					Please enter all quantities in this section in KGs			
POLLUTANT		Method Used			QUANTITY			
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					0.0	0.0	0.0	0.0

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

SECTION C : REMAINING POLLUTANT EMISSIONS (as required in your Licence)

RELEASES TO WATERS					Please enter all quantities in this section in KGs			
POLLUTANT		Method Used			QUANTITY			
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					0.0	0.0	0.0	0.0

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

4.3 RELEASES TO WASTEWATER OR SEWER

[Link to previous years emissions data](#)

| PRTR# : W0078 | Facility Name : Ballaghveny Landfill | Filename : Appendix 11.xls | Return Year :

26/5/2011 10:11

SECTION A : PRTR POLLUTANTS

OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATMENT OR SEWER					Please enter all quantities in this section in KGs			
POLLUTANT		METHOD			QUANTITY			
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					0.0	0.0	0.0	0.0

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

SECTION B : REMAINING POLLUTANT EMISSIONS (as required in your Licence)

OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATMENT OR SEWER					Please enter all quantities in this section in KGs			
POLLUTANT		METHOD			QUANTITY			
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					0.0	0.0	0.0	0.0

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

4.4 RELEASES TO LAND

[Link to previous years emissions data](#)

| PRTR# : W0078 | Facility Name : Ballaghveny Landfill | Filename : Appendix 11.xls | Return Year : 2010 |

26/5/2011 10:11

SECTION A : PRTR POLLUTANTS

RELEASES TO LAND			Please enter all quantities in this section in KGs				
POLLUTANT		METHOD		QUANTITY			
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year
					0.0	0.0	0.0

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

SECTION B : REMAINING POLLUTANT EMISSIONS (as required in your Licence)

RELEASES TO LAND			Please enter all quantities in this section in KGs				
POLLUTANT		METHOD		QUANTITY			
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year
					0.0	0.0	0.0

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE

| PRTR# : W0078 | Facility Name : Ballaghveny Landfill | Filename : Appendix 11.xls | Return Year : 2010 |

26/5/2011 10:11

Please enter all quantities on this sheet in Tonnes

6

Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Haz Waste : Name and Licence/Permit No of Next Destination Facility	Non	Haz Waste : Address of Next Destination Facility Non Haz Waste: Address of Recover/Disposer	Name and License / Permit No. and Address of Final Recoverer / Disposer (HAZARDOUS WASTE ONLY)	Actual Address of Final Destination i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY)
						M/C/E	Method Used		Haz Waste : Name and Licence/Permit No of Recover/Disposer				
Within the Country	20 03 01	No	1844.0	mixed municipal waste	D1	M	Weighed	Onsite in Ireland	North Tipperary County Council Ballaghveny Landfill ,W0078-02		Ballymackey ,Ballaghveny,Co. Tipperary,n/a,Ireland		
Within the Country	20 01 08	No	14.0	biodegradable kitchen and canteen waste	R3	M	Weighed	Onsite in Ireland	Barna Waste,WCP/MO/08/0604/01 Advanced Environmental Solutions		Carrowbrowne,Headford Rd,Galway,n/a,Ireland Springfort Cross,Nenagh,Co. Tipperary,..Ireland Monaghan		
Within the Country	15 01 01	No	64.0	paper and cardboard packaging	R3	M	Weighed	Onsite in Ireland	,WCP/OY/0/601/08/0		Rehab,154/OY/108/03 A1 Metal Recycling Ltd ,WCP/LK/08/589/01		Tipperary,..Ireland Road,Cork,..,Ireland Acragar ,Mountmellick ,Co. Laois,..Ireland
Within the Country	20 01 02	No	15.0	glass	R5	M	Weighed	Onsite in Ireland	Advanced Environmental Solutions		Springfort Cross,Nenagh,Co. Tipperary,..Ireland		
Within the Country	20 01 40	No	52.0	metals	R4	M	Weighed	Onsite in Ireland	,WCP/OY/0/601/08/0		36 Magheralane Road ,Randalstown ,Co. Antrim,..Ireland		
Within the Country	15 01 02	No	7.0	plastic packaging	R3	M	Weighed	Onsite in Ireland	Cookstown Textiles Recyclers ,WMEX 01/11		William McLoughlin,,"Nenagh,Co. Tipperary,..Ireland		
Within the Country	20 01 11	No	3.0	textiles	R5	M	Weighed	Onsite in Ireland	William McLoughlin.. Nenagh Wastewater Treatment Plant ,D0027-01		New Nenagh WWTP,Old Birr Road,Nenagh,..Ireland		
Within the Country	16 05 04	Yes	0.36	gases in pressure containers (including halons) containing dangerous substances	R5	M	Weighed	Onsite in Ireland			William McLoughlin,,"Nenagh,Co. Tipperary,..Ireland	Nenagh,Co. Tipperary,..Ireland	
Within the Country	19 07 03	No	17203.18	landfill leachate other than those mentioned in 19 07 02	D8	M	Weighed	Onsite in Ireland					

* Select a row by double-clicking the Description of Waste then click the delete button

[Link to previous years waste data](#)

[Link to previous years waste summary data & percentage change](#)

Appendix 12

Biological Monitoring

**BIOLOGICAL MONITORING OF WATER QUALITY IN THE
VICINITY OF BALLAGHVENY LANDFILL, COUNTY TIPPERARY**

July 2010



Conservation Services, Tullaha, Glenflesk, Killarney, Co. Kerry
Tel/Fax 064 6630130 e-mail cs@conservation-services.ie

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APPENDIX 1 HABITAT AT INVERTEBRATE SAMPLING SITES

1. INTRODUCTION

As part of the monitoring of water quality in the vicinity of Ballaghveny Landfill Site, Conservation Services, Ecological & Environmental Consultants have been commissioned by Tipperary N.R. County Council to carry out biological sampling and water quality assessment in accordance with EPA Q-rating methodology at five locations adjacent to the landfill site. The sites were most recently assessed by Conservation Services in July 2009 (Conservation Services 2009).

Sampling was carried out on 5th July 2010.

2. METHODOLOGY

2.1. SITE LOCATIONS

Biological sampling and water quality assessment was carried out at the following sites. Grid references were recorded at all sites using a GPS.

SITE	GRID REFERENCE (GPS)
Site A	R9728 8242
Site A1	R9739 8199
Site B	R9530 8204
Site 1	R9549 8188
Site 2	R9419 8192

The location of the sites is shown on Map 1.

2.2. HABITAT ASSESSMENT

Habitat assessment was carried out at each of the five sites selected for invertebrate/water quality assessment. These sites were assessed in terms of:

- Stream width and depth
- Substrate type, listing substrate fractions in order of dominance, i.e. large rocks, cobble, gravel, sand, mud etc.
- Flow type, listing percentage of riffle, glide and pool in the sampling area
- Instream vegetation, listing plant species occurring and their percentage coverage of the stream bottom at the sampling site

- Dominant bankside vegetation, listing the main species overhanging the stream
- Estimated summer cover by bankside vegetation, giving percentage shade of the sampling site
- Rating of the site as habitat for trout adult, nursery and spawning on a scale of Poor/Fair/Good/Very Good/Excellent. This rating assesses the physical suitability of the habitat; the presence/absence/density of salmonids at the site will also depend on present and historical water quality and accessibility of the site to fish.

2.3. INVERTEBRATE SAMPLING AND WATER QUALITY ASSESSMENT

A kick and stone wash invertebrate sample was taken at each site (ISO 7828:1985) using standard methodology employed by EPA. Each sample was retained in a large plastic bag at the sampling site. Sample processing and preservation was carried out under laboratory conditions within 24 hours of sampling. Mud was removed from each sample by sieving under running water through a 500 μ sieve. Sieved samples were then live sorted for 30 minutes in a white plastic sorting tray under a bench lamp (ISO 5667-3:1994) and if necessary using a magnifying lens. Macroinvertebrates were stored in 70% alcohol. Preserved invertebrates were identified to the level required for the EPA Q-rating method (McGarrigle *et al*, 2002) using high-power and low-power binocular microscopes when necessary. The preserved samples were archived for future examination or verification. Based on the relative abundance of indicator species, a biotic index (Q-rating) was determined for each site in accordance with the biological assessment procedure used by the Environmental Protection Agency (Statutory Instruments No. 258 of 1998) and more detailed unpublished methodology (McGarrigle, Clabby and Lucey pers. comm.)

Biotic Index	Water Quality	Quality Status
Q5	Good	Unpolluted Waters
Q4-5	Fair - Good	
Q4	Fair	
Q3-4	Doubtful - Fair	Slightly Polluted Waters
Q3	Doubtful	Moderately Polluted Waters
Q2-3	Poor - Doubtful	
Q2	Poor	Seriously Polluted Waters
Q1-2	Bad - Poor	
Q1	Bad	

3. RESULTS

Detailed habitat assessment for each sampling site, including aquatic plant assessment, is contained in Appendix 1.

3.1. SITE A

As there was minimal water flow at the site, conditions were not optimal for the Q-rating method and the Q-value is tentative. The invertebrate community tabulated below merits a tentative Q-rating of Q2-3 indicating moderately polluted conditions.

INDICATOR GROUP	POLLUTION SENSITIVITY/TOLERANCE	TAXON	NUMBER 2010
A	Very Pollution Sensitive	None recorded	
B	Moderately Pollution Sensitive	Limnephilidae	1
C	Moderately Pollution Tolerant	<i>Gammarus duebeni</i>	
		Corixidae	1
		Dytiscidae	1
		Helodidae	
		<i>Helophorus sp.</i>	140
		Chironomidae (ex. <i>Chironomus</i>)	50
D	Very Pollution Tolerant	Sphaeriidae	3
		<i>Asellus aquaticus</i>	27
		Sialidae	3
E	Most Pollution Tolerant	<i>Chironomus sp.</i>	29
	Not assigned to indicator group	Lumbricidae	

3.2. SITE A1

The invertebrate community tabulated below merits a Q-rating of Q3 indicating moderately polluted conditions, with no significant change since 2009.

INDICATOR GROUP	POLLUTION SENSITIVITY/TOLERANCE	TAXON	NUMBER 2010
A	Very Pollution Sensitive	None recorded	
B	Moderately Pollution Sensitive	Nemouridae	
		Limnephilidae	
		Sericostomatidae	
C	Moderately Pollution Tolerant	<i>Gammarus duebeni</i>	c.240
		<i>Baetis rhodani</i>	2
		Polycentropodidae	15
		Rhyacophilidae	1
		Veliidae	1
		Dytiscidae	
		Elmidae	
		Helodidae	
		Chironomidae	9
		Tipulidae	5
D	Very Pollution Tolerant	<i>Glossiphonia sp.</i>	
E	Most Pollution Tolerant	None recorded	
-	Not assigned to an indicator group	Nematomorpha	2
		Lumbricidae	1

3.3. SITE B

The invertebrate community tabulated below merits a Q-rating of Q3 indicating moderately polluted conditions, with no significant change in water quality since 2009.

INDICATOR GROUP	POLLUTION SENSITIVITY/TOLERANCE	TAXON	NUMBER 2010
A	Very Pollution Sensitive	None recorded	
B	Moderately Pollution Sensitive	Limnephilidae	31
		Sericostomatidae	3
C	Moderately Pollution Tolerant	<i>Gammarus duebeni</i>	103
		Hydracarina	2
		<i>Baetis rhodani</i>	2
		Ephemereallidae	
		Veliidae	
		Dytiscidae	1
		Elmidae	5
		Haliplidae	2
		Hydrophilidae	1
		Chironomidae (ex. <i>Chironomus</i>)	
		Tipulidae	12
D	Very Pollution Tolerant	<i>Glossiphonia complanata</i>	
E	Most Pollution Tolerant	Tubificidae	1
-	Not assigned to indicator group	Lumbriculidae	3

3.4. SITE 1

The invertebrate community tabulated below merits a Q-rating of Q4 indicating unpolluted conditions.

INDICATOR GROUP	POLLUTION SENSITIVITY/TOLERANCE	TAXON	NUMBER 2010
A	Very Pollution Sensitive	<i>Ecdyonurus sp.</i>	13
B	Moderately Pollution Sensitive	Leuctridae	7
		Glossosomatidae	1
		Sericostomatidae	1
C	Moderately Pollution Tolerant	<i>Gammarus duebeni</i>	12
		<i>Baetis rhodani</i>	11
		Ephemerellidae	44
		Hydropsychidae	17
		Rhyacophilidae	12
		Elmidae	40
		<i>Helophorus sp.</i>	1
		Chironomidae	6
		Simuliidae	113
		Tipulidae	24
D	Very Pollution Tolerant	Erpobdellidae	1
E	Most Pollution Tolerant	None recorded	
-	Not assigned to indicator group	Nematomorpha	1

3.5. SITE 2

The invertebrate community tabulated below merit a Q-rating of Q4-5 indicating unpolluted conditions.

INDICATOR GROUP	POLLUTION SENSITIVITY/TOLERANCE	TAXON	NUMBER 2010
A	Very Pollution Sensitive	<i>Ecdyonurus sp.</i>	6
		<i>Rhithrogena sp.</i>	18
		<i>Isoperla grammatica</i>	3
B	Moderately Pollution Sensitive	Leuctridae	8
		Glossosomatidae	2
		Limnephilidae	3
C	Moderately Pollution Tolerant	<i>Potamopyrgus antipodarum</i>	10
		<i>Gammarus duebeni</i>	8
		<i>Baetis rhodani</i>	7
		Ephemerellidae	15
		Hydropsychidae	4
		Polycentropodidae	1
		Rhyacophilidae	18
		Elmidae	104
		Haliplidae	4
		Chironomidae	1
		Simuliidae	3
		Tipulidae	25
D	Very Pollution Tolerant	None Recorded	
E	Most Pollution Tolerant	Lumbriculidae	1

4. SUMMARY OF MONITORING RESULTS 1998 - 2010

	SITE A	SITE A1	SITE B	SITE 1	SITE 2
Aug 1998	3-4	-	3-4	4	4
May 2002	2	-	3	4-5	4-5
March 2003	3/0	3	3-4	4-5	4-5
May 2004	3-4 (tentative)	3-4	3-4	3-4	3-4
June 2005	3 (tentative)	3	3	4	3-4
May 2006	3 or 3-4 (tentative)	3	3	4	4-5
July 2007	3 or 3-4 (tentative)	3	3	4	3-4
May 2008	3-4 (tentative)	3	3	4	4-5
July 2009	3 (tentative)	3	3	3-4	3-4
July 2010	2-3 (tentative)	3	3	4	4-5

5. CONCLUSIONS

5.1. BALLAGHVENY STREAM

Habitat conditions at Site A upstream of the landfill are less than optimal for Q-rating assessment. Taking into account the flow and substrate conditions, the invertebrate data merit a tentative Q2-3 (moderately polluted) rating. The invertebrate data at Site A1, immediately downstream of the landfill, and at Site B c.3km downstream of the landfill, indicate Q3 moderately polluted conditions.

The results of the biological assessment contain no evidence of an impact from the landfill on the water quality of the Ballaghveny stream.

5.2. OLLATRIM RIVER

The Ollatrim River upstream and downstream of its confluence with the Ballaghveny Stream is unpolluted with a Q-value of Q4 at the upstream site and a Q-rating of Q4-5 at the downstream site. The fauna are indicative of marginally better water quality at the downstream site. The results of the present survey therefore contain no evidence of an adverse impact on the Ollatrim River from the Ballaghveny Stream.

Signed on behalf of Conservation Services

Bill Quirke BSc MSc MIEEM

6. REFERENCES

Conservation Services (2009) Biological monitoring of water quality in the vicinity of Ballaghveny Landfill, County Tipperary. Unpublished Report to Tipperary North Riding County Council.

McGarrigle *et al* (2002) Water Quality in Ireland 1998-2000. Environmental Protection Agency.

APPENDIX 1

HABITAT ASSESSMENT AT SAMPLING SITES

Site Code A
Site Location Upstream of drain from the extended landfill area
Grid Reference R9728 8242

Site Photograph



Width 1-2 m
Depth 10-15 cm
Substrate Mud
Flow Type Slow glide
Instream Vegetation *Mentha aquatica* <5%
Sparganium erectum <5%
Dominant Bankside Vegetation Bramble, Willow
Estimated % Summer Cover of Stream by Bankside Vegetation 5%
Trout Adult Habitat None
Trout Nursery Habitat None
Trout Spawning Habitat None

Site Code A1
Site Location Downstream of road bridge.
Grid Reference R9739 8199

Site Photograph



Width 1 m
Depth 5 cm
Substrate Cobble, Gravel, Mud
Flow Type Riffle 30%
Glide 70%
Instream Vegetation None
Dominant Bankside Vegetation Hazel, Hawthorn
Estimated % Summer Cover of Stream by Bankside Vegetation 90%
Trout Adult Habitat None
Trout Nursery Habitat Fair
Trout Spawning Habitat Poor-None

Site Code B
Site Location At Donnybrook House
Grid Reference R9530 8204

Site Photograph



Width 1.5-2 m
Depth 15 cm
Substrate Mud, Gravel
Flow Type Riffle 15%
Glide 85%
Instream Vegetation None
Dominant Bankside Vegetation Ash, Hawthorn, Sycamore
Estimated % Summer Cover of Stream by Bankside Vegetation 30%
Trout Adult Habitat None-Poor
Trout Nursery Habitat Poor
Trout Spawning Habitat None

Site Code 1

Site Location On the Ollatrim River at Donnybrook House upstream of the confluence with Ballaghveny Stream

Grid Reference R9549 8188

Site Photograph



Width 7 m

Depth 10-12 cm

Substrate Gravel, Sand, Cobble

Flow Type Riffle 60%
Glide 40%

Instream Vegetation Moss <1%

Dominant Bankside Vegetation Bramble

Estimated % Summer Cover of Stream by Bankside Vegetation <5%

Trout Adult Habitat Fair

Trout Nursery Habitat Good-Fair

Trout Spawning Habitat Good

Site Code 2
Site Location Downstream of Ballinahemery Bridge
Grid Reference R9419 8192

Site Photograph



Width 7 m
Depth 10-15 cm
Substrate Gravel, Sand, Cobble
Flow Type Riffle 60%
Glide 40%
Instream Vegetation *Rorippa nasturtium-aquaticum* agg. <5%
Ranunculus sp. <5%
Bryophyta <5%
Dominant Bankside Vegetation Grass, *Phalaris arundinacea*
Estimated % Summer Cover of Stream by Bankside Vegetation <5%
Trout Adult Habitat Fair
Trout Nursery Habitat Fair-Good
Trout Spawning Habitat Good