COMHAIRLE CHONTAE AN CABHÁIN

CAVAN COUNTY COUNCIL



Annual Environmental Report 2008 Ballyjamesduff Landfill WL 93-1

Document Control Sheet

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| | | | |



Cavan County Council



Comhairle Chontae an Chabháin

Courthouse

Teach Na Cuirte

Cavan

An Cabháin

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Central Council 049 437 8300

Motor Tax 049 437 8430

Planning 049 437 8600

Corporate Services 049 437 8601

Johnston Central Library 049 137 8500

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Roads 049 437 8300

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Community & Enterprise 049 437 8602

Water Services

Declaration

Cavan County Council hereby certifies that the content of the full pdf AER W0093-012008AER.pdf uploaded to the EPA website is a true copy of the original Δ ER.

U

Sincad Fox Landfill Operations Manager Cavan County Council

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1. Introduction.

Ballyjamesduff Landfill has been operated as waste disposal facility by Cavan County Council since the late 1960s. It is located off the Derrylurgan road, approximately 0m north of Ballyjamesduff town on the eastern side of the Derrylurgan road, in what was bog and comprises some 1.62 hectares. The site was operated as a traditional landfill constructed on peat and relies on the properties of the peat bog for attenuation, dilution and dispersal.

A Waste Licence for the facility was issued by the EPA on 7th March 2002, Ref WL 93-1. Condition 11.4 of Waste Licence Ref. 93-1 requires the submission of an Annual Environmental Report for Ballyjamesduff Landfill facil This document is produced in order to comply with requirements of Condition 11.4. The reporting period for the purposes of this Annual Environmental Report (AER) is January 1st 2008 to December 31st 2008.

This Annual Environmental Report (AER) has been prepared in accordance with the conditions of the Waste Licence and the EPA "Draft Guidance on Environmental Management Systems and Reporting to the Agency, 1999".

The site at Ballyjamesduff was closed in early March 2 2. Prior to closing the site a temporary cap was placed on site. Final capping and restoration details are presented in section 3.

2. Waste Management at the Facility.

It is estimated that the quantities of waste accepted landfill came to a total of 65,000 tonnes. See the table 2.1a & 2.1b for quantities of waste accepted into the landfill from 1988 to 1999. There was no waste accepted into the facility during the reporting period 2008.

Table 2.1a Waste Quantities

| Year | Inert Waste | Non-Hazardous Waste (tonnes per annum) | Hazardous Waste (tonnes per annum) | Total Waste Quantities (tonnes per annum) |
|---------------|-------------|----------------------------------------------|------------------------------------------|-------------------------------------------|
| 1988 | 60 | 440 | Minor Quantities | 500 |
| 1989 | 40 | 460 | Minor Quantities | 500 |
| 1990 | 40 | 460 | Minor Quantities | 500 |
| 1991 | 65 | 485 | Minor Quantities | 550 |
| 1992 | 65 | 535 | Minor Quantities | 600 |
| 1993 | 65 | 535 | Minor Quantities | 600 |
| 1994 | 70 | 680 | Minor Quantities | 750 |
| 1995 | 80 | 920 | Minor Quantities | 1000 |
| 1996 | 85 | 1015 | Minor Quantities | 1100 |
| 1997 | 90 | 1110 | Minor Quantities | 1200 |
| 1998 | 184 | 1305 | Minor Quantities | 1489 |
| 1999 | 190 | 1310 | Minor Quantities | 1500 |
| <u>Totals</u> | <u>1034</u> | <u>9255</u> | | <u>10289</u> |

Table 2.1b Waste Quantities

| Waste Type | Maximum Quantity |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| Inert Waste at the landfill for cover, capping and restoration purposes only. | 50,000 tonnes |
| Segregated Municipal and Commercial wastes at the Bring Centre (collection for recovery only) or at a Civic Waste Facility if installed in accordance with Condition 3 and operated in accordance with Condition 5 (collection for recovery and collection for disposal at an appropriate facility). | 5,000 tonnes per annum |

Under the terms of Waste Licence 93-1 no other waste types are acceptable at Ballyjamesduff Landfill Site. At present there are no wastes accepted for any purpose. There was no waste accepted at this site during the reporting period. There was no activity carried out at this site other than monitoring required by EPA licence.

Waste Licence 93-1 allows for the operation of a Civic Amenity Facility at Ballyjamesduff Landfill Site. To date there are no plans in place to operate such a facility at the site.

3. Restoration of Completed Cells

Cavan County Council appointed consultants Malachy-Cullen to prepare a final restoration plan and detailed tender documents for site works. Final restoration works, including capping of the site within the timeframe specified, were then carried out. Table 3.1 gives a summary outline of the capping system put into place in Ballyjamesduff.

Table 3.1 Summary Capping System

| a. | An upper component consisting of 150mm of topsoil on |
|----|------------------------------------------------------|
| b. | An 850mm layer of subsoil on |
| c. | A geo-composite surface water drainage layer on |
| d. | An LLDPE liner on |
| e. | A geo-composite gas collection layer on |
| f. | 250mm regulation layer (where necessary) |
| g. | Re-graded landfill surface or filled waste |

Further details of lining works were submitted to the in the latest Waste Licence Application. The capping lining system was constructed to a very high standard and within all contractual and EPA guidelines.

4. Summary Report on Emissions and Environmental Monitoring

The required monitoring programme at Ballyjamesduff Landfill is specified in Schedule D of the waste licence 93-1. The emission limit values (ELV) are specified in Schedule C. Monitoring is carried out by BHP Laboratories on behalf of Cavan County Council. The frequency for reporting Environmental monitoring data led in Schedule E of the licence.

The following monitoring data was reported to the Agency on a quarterly basis:

- Landfill Gas
- Surface water
- Groundwater

Table 4.1 Overall Site Monitoring Locations

Ballyjamesduff Landfill Schedule D: Monitoring

Derrylurgan, Ballyjamesduff, Co. Cavan, Waste Licence No 93-1

| Landfill Gas Stations | Noise Stations | Surface Water Stations | Groundwater Stations | Leachate Stations |
|-----------------------------|--------------------------------------------------|--------------------------|-------------------------|----------------------|
| MW12 | n/a | SW1 | MW10S | MW7 |
| | | SW2 | MW11S | |
| | | | MW11D | |
| | | | MW16S to be redrilled | |
| | | | MW16D to be redrilled | |
| | | | MW17S to be redrilled | |
| | | | MW17D to be redrilled | |
| Note 1 | Wells to be re-drilled 2009 a monitoring program | nd to be included in the | | |

Analysis relating to Groundwater and Surface waters is also conducted by the EPA in County Monaghan. Please see Appendix 1 for Annual report of Ground water and Surface water monitoring results.

4.1 Landfill Gas

Schedule D.2 of the waste licence for the Ballyjamesduff landfill site, specifies the required gas monitoring programme. Table 4.1 indicates the monitoring locations and table 4.2 overleaf specifies the gas monitoring frequency. See Appendix 2 for Updated Site Map.

Table 4.2 Gas Monitoring Requirements

| <u>Parameter</u> | <u>Frequency</u> |
|----------------------------------------|------------------|
| Methane (CH ₄) %v/v | Quarterly |
| Carbon Dioxide (CO ₂) %v/v | Quarterly |
| Oxygen (O ₂) % v/v | Quarterly |
| Atmospheric Pressure | Quarterly |
| Temperature | Quarterly |

As is shown in Table 4.2 there are 4no. groundwater wells to be drilled in Spring 2009 in order to bring us into full compliance with the licence.

Landfill gas at the facility is analysed on a quarterly basis by BHP Laboratories, New Road, Thomondgate, Limerick by means of an Infra-Red Gas Analyser (GA2000) which is calibrated once annually. There is one gas monitoring point at the facility (MW12). Gas monitoring commenced on site in September 2002 and is ongoing. Since this time, the quantities and constituents of Landfill gas being generated are not having a significant impact on the environment as the ELVs for CH₄ and CO₂ were not exceeded.

The Annual PRTR has been submitted to the Agency as part of this annual report. Gas emissions have been controlled by installing a passive trenching and venting system in the capping layer during final capping works. There is no idence of any negative impact associated with this closed landfill. This is supporte by annual monitoring results for the reporting period (See appendix 2).

Noise Monitoring

Noise Monitoring is no longer required at this closed ll as there are no associated activities that would result in significant noise leve This is supported by previously recorded noise monitoring reports.

Surface Water

Schedule D.4 of the waste licence, specifies the required surface water monitoring programme. Table 4.3 sets out the monitoring requirements.

Table 4.3 Surface Water Monitoring Requirements

| <u>Parameter</u> | <u>Frequency</u> | <u>Comments</u> |
|-----------------------|------------------|--------------------------------------|
| Visual Inspection | Quarterly | |
| Quality Monitoring | Quarterly | Field sampling and Chemical analyses |

The Pound Stream flows from north to south along the eastern boundary of the site. It is likely that the bulk of any impact from the landfill is confined to local shallow ground waters and surface waters.

The Annual Report covering surface water monitoring is presented in **Appendix 1**. In summary the landfill is not having a contribution to the discoloration of the waters downstream of the site. There was little difference from the monitoring results in the quality of the two waters upstream and downstream. The analytical results suggest the water quality both m and downstream of the facility is of a good standard, with BOD, Ammonia and total suspended solids remaining consistently below the expected limit values.

Currently there are two surface water monitoring points at the facility labelled SW1 and SW2. Field sampling is carried out once every quarter to determine the quality of surrounding waters. In December 2002, Surface waters SW1 and SW2 were also analysed for dangerous substances.

Groundwater

The Annual Report covering groundwater monitoring is presented in Appendix 1. In summary the groundwater is of a relatively uncontaminated nature. This conclusion is supported from the monitoring results from the reporting period.

See the following Table 4.5 detailing plans to extend the monitoring borehole points in 2009. As is shown above there are 4no. groundwater wells to drilled. These will be included into the monitoring schedule.

Table 4.4 Existing Monitoring points & planned Borehole Drilling

| Groundwater | |
|--------------------------|----------|
| Stations | |
| MW10S | Existing |
| MW11S | Existing |
| MW11D | Existing |
| MW16S to be re-drilled 1 | Planned |
| MW16D to be re-drilled 1 | Planned |
| MW17S to be re-drilled 1 | Planned |
| MW16D to be re-drilled 1 | Planned |

During sampling standard portable instrument comprising a probe which emits an audible signal on contact with water is used to determine the ground water levels in the boreholes. As noted earlier water samples are lifted by means of a bailer. Groundwater level and test results are forwarded to the Agency in quarterly reports. Groundwater quality has remained good throughout the year as supported in the monitoring results.

5. Environmental Objectives and Targets.

A total of 9 Targets and Objectives have been identified. These can be grouped into two categories:

- 8no. Licence Related Targets and Objectives
- 1no. Identified Targets and Objectives

These targets and objectives are listed in Tables 5.1 and 5.2 below which also identifies progress to date in relation to these targets.

Table 5.1a Environmental Targets & Objectives – Licence Related

| No. | Ref. | <u>Details</u> | Target Date | <u>Progress</u> |
|-----|---------|----------------------------------|-------------|---------------------|
| 1 | 2.2 | Management Structure | | Included Table 6.1 |
| 2 | 2.4 | Borehole Drilling Plans 2009 | March 2009 | Up-coming |
| 3 | 11.6 | Annual Environmental Report | 31/03/08 | Prepared |
| 4 | 10 & 11 | Record Keeping and Reporting | | Ongoing |
| 5 | 3.9 | Landfill Gas Management | | Ongoing |
| 6 | 3.10 | Surface Water Management | | Ongoing |
| 7 | 8.6 | Topographical Survey | AER 2007 | Included Appendix 4 |
| | | Stability Analysis Certification | | |
| 8 | 8.7 | Letter | AER 2011 | To be submitted |

Table 5.1b Environmental Targets & Objectives

| No. | Ref. | Details | Target Date | Progress |
|-----|------|-------------------|-------------|----------|
| 1 | | Litter Management | | Ongoing |

6. Management Structure

Under the terms of WL 93-1 Ballyjamesduff Landfill Site no longer accepts waste. The Licence issued permits Cavan County Council to accept inert waste for the purposes of site restoration and remediation, subject to a maximum limit of 50,000 Condition 4.1 of WL 93-1 requires that the restoration of the landfill be completed within 30 months of the date of grant of licence. The site is now fully capped, restored and closed. In terms of general overseeing of site at its current status the management structure is listed below.

Table 6.1 Management Structure 2007-2009

| Position | Name | Duties |
|--------------------------------------------------|------------------|----------------------------------------------------------------------------------------------|
| A/SEO | Padraig McGivney | Oversee general supervision, monitoring and reporting of the site. |
| Landfill Operations Manager Cavan County Council | Sinead Fox | Responsible for general supervision, Compliance, monitoring and reporting of the site. |

Contact Person for Sanitary Authority: Padraig McGivney, A/Senior Executive Officer,

Waste Management Section,

Cavan County Council.

7. Reporting of Incidents

All incidents are reported to the Agency in line with the requirements of Waste Licence ref. 93-

1. Copies of all Incident Reporting documentation are lable for inspection. There were no

incidents recorded for this reporting period. There were no complaints recorded for this

reporting period.

10. Financial Provision.

Provision will be made in Cavan County Council Official Estimates for Charges as required

under Condition 12 of Waste Licence Ref. 93-1.

Ballyjamesduff Landfill WL 93-1 AER 2008

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APPENDIX 1

APPENDIX 2

APPENDIX 3



| PRTR# : W0093 | Facility Name : Ballyjamesduff Landfill | Filename : W0093_2008(1).xls | Return Year : 2008 |

AER Returns Worksheet

Version 1.1.04

| 1. FACILITY IDENTIFICATION | |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Parent Company Name | Cavan County Council |
| Facility Name | Ballyjamesduff Landfill |
| PRTR Identification Number | W0093 |
| Licence Number | W0093-01 |
| Waste or IPPC Classes of Activity | |
| No. | class_name |
| 3.1 | Deposit on, in or under land (including landfill). |
| 3.4 | Surface impoundment, including placement of liquid or sludge discards into pits, ponds or lagoons. |
| 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. |
| 4.2 | Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes). Recycling or reclamation of metals and metal |
| 4.3 | compounds. |
| 4.4 | Recycling or reclamation of other inorganic materials. |
| | Use of waste obtained from any activity referred to in |
| 4.11 | a preceding paragraph of this Schedule. |
| | 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 |
| 4.13 | produced. |
| 4.10 | produced. |
| Address 1 | Derrylurgan |
| Address 2 | Ballyjamesduff |
| Address 3 | Co Cavan |
| Address 4 | |
| | |
| | |
| Country | Ireland |
| Coordinates of Location | 542300.000 |
| River Basin District | IEGBNISH |
| NACE Code | 3821 |
| Main Economic Activity | Treatment and disposal of non-hazardous waste |
| | |

REFERENCE YEAR 2008

Sinead Fox

sfox@cavancoco.ie

AER Returns Contact Name

AER Returns Contact Email Address

| AER Returns Contact Position | Landfill Operations Manager |
|--------------------------------------|------------------------------------|
| AER Returns Contact Telephone Number | 049-4378418 |
| AER Returns Contact Mobile Phone | |
| Number | 087 980 8507 |
| AER Returns Contact Fax Number | |
| 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 | Closed landfill, fully remediated. |
| Web Address | |

2. PRTR CLASS ACTIVITIES

| Activity Number | Activity Name |
|-----------------|-------------------------------------------------------|
| 5d | Landfills |
| 5c | Installations for the disposal of non-hazardous waste |

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

| Is it applicable? | no |
|------------------------------------------------------------------------------------|----|
| 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 ? | |

19/06/20

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SECTION A: SECTOR SPECIFIC PRTR POLLUTANTS

| | RELEASES TO AIR | | | | | ADD EMISSIO | N POINT | | |
|----|-----------------|----------------------|--------|---------------|----------------|----------------|--------------|--------|----------|
| | POLLUTANT | | METHOD | | | | QUAN TITY | | |
| | | | | Me | thod Used | | | | |
| | | | | | | | | Α | F |
| | | | | | | | | (Accid | (Fugitiv |
| | | | M/ | | | | | ental) | e) |
| | | | C/ | <u>Method</u> | Designation or | Emission Point | T (Total) | KG/Ye | KG/Yea |
| | No. Annex II | Name | Е | <u>Code</u> | Description | 1 | KG/Year | ar | r |
| 03 | | Carbon dioxide (CO2) | С | MAB | GASSIM | 164000.0 | 164000.0 | 0.0 | 0.0 |
| 01 | | Methane (CH4) | С | MAB | GASSIM | 58300.0 | 58300.0 | 0.0 | 0.0 |

Name (Column B) then click the delete button ADD NEW ROW

SECTION B: REMAINING PRTR POLLUTANTS

| | RELEASES TO AIR | | | | | | | | |
|--------------|-----------------|---------------|----------------|----------------------------|-------------------------|----------------------|--------------|--------------------------------------|------------------------------------|
| | POLLUTANT | | MET | HOD | ADD EMISSION POINT QUAN | | QUAN TITY | | |
| | | | Me | thod Used | | | | | |
| No. Annex II | Name | M/ C/ E | Method Code | Designation or Description | Emission Point | T (Total) KG/Year | | A (Accid ental) KG/Ye ar | F (Fugitiv e) KG/Yea r |
| | | | | · | 0.0 | | 0.0 | 0.0 | 0.0 |

ADD NEW ROW Name (Column B) then click the delete button

SECTION C: REMAINING POLLUTANT EMISSIONS (As required

in your Licence)

| RELEASES TO AIR | | | |
|-----------------|--------|--------------------|------|
| POLLUTANT | METHOD | ADD EMISSION POINT | QUAN |

| | | | | | | | | TITY | |
|---------------|------|----|--------|----------------|-----------------------|-----------|-----|--------|----------|
| | | | Me | thod Used | | | | | |
| | | | | | | | | Α | F |
| | | | | | | | | (Accid | (Fugitiv |
| | | M/ | | | | | | ental) | e) |
| | | C/ | Method | Designation or | Emission Point | T (Total) | | KG/Ye | KG/Yea |
| Pollutant No. | Name | Е | Code | Description | 1 | KĠ/Year | | ar | r |
| | | | | | 0.0 | | 0.0 | 0.0 | 0.0 |

ADD NEW ROW DELET Select Whow 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 lan ill 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: | Ballyjamesduff Landfill | | | | | |
| Please enter summary | | | | | | |
| data on the quantities | | | | | | |
| of methane flared and / | | | | | | |
| or utilised | | | Met | hod Used | | |
| | | M/ | | Designation | Facility Total | |
| | | C/ | Method | or | Capacity m3 | |
| | T (Total) kg/Year | Е | Code | Description | per hour | |
| Total estimated methane | | | | | | |
| generation (as per site | | | | | | |
| model) | 0.0 | | | | N/A | |
| | | | | | | (Total Flaring |
| Methane flared | 0.0 | | | | 0.0 | Capacity) |
| | | | | | | (Total |
| Methane utilised in | | | | | | Utilising |
| engine/s | 0.0 | | | | 0.0 | Capacity) |
| Net methane emission | | | | | | |
| (as reported in Section A | | | | | | |
| above) | 58300.0 | С | MAB | GASSIM | N/A | |

| PRINT THIS SHEET |
|------------------|
| HELP |

4.2 RELEASES TO WATERS
SECTION A: SECTOR SPECIFIC PRTR
POLLUTANTS

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

19/06/2009

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| RELE | RELEASES TO WATERS | | | | | | | | |
|-------------------|--------------------|-------------|----------------|------------------|------------------------|------------------|--------------|--------------|--|
| POLLUTANT | | | | | | ADD EMISSION P | TNIC | QUANTIT Y | |
| | | Metho | d Used | | | | | | |
| | | | Designation or | | T (Total) KG/Yea | A (Accidental | F (Fugitive) | | |
| No. Annex II Name | M/C/E | Method Code | Description | Emission Point 1 | r |) KG/Year | KĠ/Year | | |
| | | | | 0.0 | 0.0 | 0.0 | 0.0 | | |

ADD NEW ROW DELETE RO'Select a row by double-clicking on the Pollutant
Name (Column B) then click the delete button

SECTION B: REMAINING PRTR

POLLUTANTS

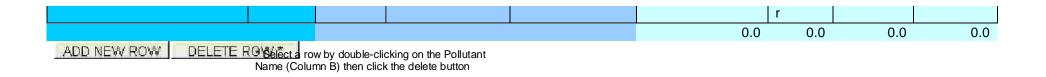
| | | RELEAS | SES TO WA | | | | | | |
|-----------|--------------|--------|-----------|-------------|----------------|------------------|--------------|-------------|--------------|
| POLLUTANT | | | | | ADD EMISSION P | OINT | QUANTIT Y | | |
| | | | | Metho | d Used | | | | |
| | | | | | | | T | | |
| | | | | | | | (Total) | Α | |
| | | | | | Designation or | | KG/Yea | (Accidental | F (Fugitive) |
| | No. Annex II | Name | M/C/E | Method Code | Description | Emission Point 1 | r |) KG/Year | KG/Year |
| | | | | | | 0.0 | 0.0 | 0.0 | 0.0 |

ADD NEW ROW DELETE ROSefect 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)

| | RELEAS | | | | | | | |
|---------------|--------|-------|-------------|----------------|------------------|---------|-------------|--------------|
| DOLLUTANT | | | | | ADD EMISSION P | DINT | QUANTIT | |
| POLLUTANT | | | | | | | Y | |
| | | | Metho | | | | | |
| | | | | | | T | Α | |
| | | | | Designation or | | (Total) | (Accidental | F (Fugitive) |
| Pollutant No. | Name | M/C/E | Method Code | Description | Emission Point 1 | KG/Yea |) KG/Year | KG/Year |



4.3 RELEASES TO WASTEWATER OR

SECTION A: PRTR POLLUTANTS

| PRTR# : W0093 | Facility Name : Ballyjamesduff Landfill | 19/06/20 **SEWER** Filename: W0093_2008(1).xls | Return Year: 2008 | 09 16:56

| OFFSITE TRANSFER OF PO | | ESTINED FO | R WASTE-WATER ⁻ | TREATMENT OR | | | | | | |
|------------------------|----------|------------|----------------------------|----------------------------|-----------------------------|-----------|-----|-----------------|--|--|
| POLLUTAN ⁻ | | METHOD | | | ADD EMISSION POINT QUANTITY | | | | | |
| | | | Metho | d Used | | | | | | |
| | | | | | | | A | F (Fugitive) | | |
| No. Annex II | Name | M/C/E | Method Code | Designation or Description | Emission Point 1 | T (Total) | , | KG/Ye ar | | |
| | <u> </u> | | | | (| 0.0 | 0.0 | 0.0 | | |

ADD NEW ROW DELETE ROWSefect 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 | | R WASTE-WATER T | REATMENT OR | | | | |
|--------------------------------|-------|-----------------|----------------------------|------------------|----------------------|------------------------------|-------------------------|
| POLLUTANT | | METHOD | | ADD EMISSION PO | INT | QUANTITY | |
| | | Method | | | | Е | |
| Pollutant No. Name | M/C/E | Method Code | Designation or Description | Emission Point 1 | T (Total) KG/Year | A (Accidental) KG/Year | (Fugitiv e) KG/Ye |

0.0 0.0 0.0 0.0 DELETE ROWSelect a row by double-clicking on the Pollutant Name
(Column B) then click the delete button ADD NEW ROW PRINT THIS SHEET

4.4 RELEASES TO LAND

| PRTR#: W0093 | Facility Name: Ballyjamesduff Landfill | Filename: W0093_2008(1).xls | Return Year: 19/06/2009 2008

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SECTION A: PRTR POLLUTANTS

| | | | | | ADD EMISSION I | POINT | QUANTI |
|-------------------------------------------------------|------|-------|-------------|----------------|------------------|-------|----------|
| POLLUTANT | | | METHOD | | | TY | |
| | | | Meth | nod Used | | | |
| | | | | | | Т | |
| | | | | | | (Tota | Α |
| | | | | | | l) | (Acciden |
| | | | | Designation or | | KG/Y | tal) |
| No. Annex II | Name | M/C/E | Method Code | Description | Emission Point 1 | ear | KG/Year |
| | | | | | 0.0 | 0.0 | 0.0 |
| A DAD INTERNAL DIGNAL THE DESCRIPTION OF THE PROVINCE | | | | | | | |

^{*} 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)

| | | | | | ADD EMISSION F | POINT | QUANTI |
|---------------|------|----------|-------------|----------------|------------------|-------|----------|
| POLLUTANT | | | METHOD | | | TY | |
| | | Method L | lsed | | | | |
| | | | | | | Т | |
| | | | | | | (Tota | Α |
| | | | | | | l) | (Acciden |
| | | | | Designation or | | KG/Y | tal) |
| Pollutant No. | Name | M/C/E | Method Code | Description | Emission Point 1 | ear | KG/Year |

ADD NEW ROW

DELETE ROW*

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

PRINT THIS SHEET

HELP

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE

| PRTR# : W0093 | Facility Name : Ballyjamesduff Landfill | Filename : W0093_2008(1).xls | Return Year : 2008 |

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| | | | | | | | Meth | od Used | | | | | |
|---|-------------|----------|--------|---------|-------------|-----------|------|---------|-------------|--------|--------|------------|------------|
| ĺ | | | | | | | | | | | | Name | Licence / |
| | | | | | | | | | | | | and | Permit |
| | | | | | | | | | | | | Address | No. of |
| ۱ | | | | | | | | | | Name | | of Final | Final |
| ۱ | | | | | | | | | | and | | Destinatio | Destinatio |
| | | | | | | | | | | Licenc | | n i.e. | n i.e. |
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| ۱ | | | | | | | | | | Recov | Recov | Site | Site |
| | | | | | | | | | | erer / | erer / | (HAZARD | (HAZARD |
| ۱ | | European | | Quantit | | Waste | | | | Dispos | Dispos | OUS | OUS |
| ۱ | Transfer | Waste | Hazard | у | Description | Treatment | M/C | Method | Location of | er/ | er/ | WASTE | WASTE |
| | Destination | Code | ous | T/Year | of Waste | Operation | /E | Used | Treatment | Broker | Broker | ONLY) | ONLY) |

ADD NEW ROW

DELETE OW by double-clicking the Description of Waste then

click the delete button