Cavan County Council
Comhairle Chontae an Chabháin

Teach Na Cúirte, An Cabháin
Courthouse, Cavan

CHAMBERS IRELAND
COUNTY/CITY COUNCIL
OF THE YEAR 2011

overall winner 2010 ability awards

28th February 2013.

Administration,
Office of Environmental Enforcement,
Environmental Protection Agency,
Headquarters,
P.O. Box 3000,
Johnstown Castle Estate,
Co. Wexford.

Subject: **Cootehill Waste Water Treatment Plant**
Waste Water Discharge Licence
Register Number D0082- 01
Condition 6.8 Annual Environmental Report (AER) for 2012

Dear Sir/Madam,

In accordance with Condition 6.8 and prepared in accordance with Schedule D of Waste Water Discharge Licence Ref. No. D0082-01 please find attached the following.

- Original Copy of Annual Environmental Report (AER) for Cootehill Waste Water Treatment Pant for the Year 2012.

If you have any queries in relation to this please contact Mr. John Denning, Senior Executive Engineer, Water Services on 049-4378425.

Yours Sincerely,

Eoin Doyle
Director of Service,
Environment & Water Services.

Cavan County Council
Comhairle Chontae an Chabháin

Teach Na Cúirte, An Cabháin
Courthouse, Cavan

Declaration.

Pursuant to the provisions of the Wastewater Discharge Licence (Authorisation) Regulations, 2007 and in accordance with Condition 6.9 of Wastewater Discharge Licence Ref. No. D0082-01 I hereby submit the Annual Environmental Report (AER) for Cootehill Waste Water Treatment Pant for the Year 2012.

I certify that the report submitted is accurate and representative.

Signed by: _____ Date: 29/2/13

Eoin Doyle
Director of Service,
Environment & Water Services.

CAVAN COUNTY COUNCIL

COMHAIRLE CHONTAE AN CHABHÁIN

WASTE WATER DISCHARGE LICENCE

REGISTER NUMBER: D0082-01

AGGLOMERATION: Cootehill Town

ANNUAL ENVIRONMENTAL REPORT
15th NOVEMBER 2012 - 31st DECEMBER 2012

County Manager: J. Keyes

Director of Services: E. Doyle

Document Amendment Record

Client:	**Cavan County Council**
Plant	**Cootehill Waste Water Treatment Plant**
Title:	**Annual Environmental Report 2012**

Ref No. : D0082-01			DOCUMENT REF: Cootehill Waste Water Treatment Plant AER 2012.pdf		
Issue	**Purpose / Description**	**Originated**	**Checked**	**Authorised**	**Date**
A	Document for Submission	J. Denning S.E.E.	P. Gallagher S.E.	E. Doyle D.O.S.	February 2013
		Cavan County Council Water Services Section			

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Appendices

1 Introduction.

This is the second Annual Environmental Report (AER) for Cootehill Waste Water Treatment Plant.

The Environmental Protection Agency granted a Waste Water Discharge Licence (Register No. D0082-01) in respect of the agglomeration named to Cavan County Council on the 15th November 2012.

The purpose of this Annual Environmental Report (AER) is to provide a summary of activities relevant to the discharges from 15th November 2012 to the 31st December 2012 as required by Condition 6.8.

The Annual Environmental Report (AER) for Cavan Agglomeration includes the information specified in Schedule D of the Wastewater Discharge Licence D0082-01.

The AER content and has been prepared in accordance with the Environmental Protection Agency (EPA) publications: -

"Guidance on the preparation & Submission of the Annual Environmental Report (AER) for Waste Water Discharge Licences for 2012"
and
'A Step-by-Step Guide to reporting by EPA licensed facilities of AER/PRTR Emissions Data and the Annual Environmental Report'.

1.1 Summary of Data Anomalies and Exceedances

Due to the short timeframe covered by AER there is very limited data available. There are no exceedances to report..

1.2 Site Information

The licence relates to the agglomeration of Cootehill and its environs.

Cootehill Wastewater Treatment Plant is located to the north of Cootehill Town at Clements bridge, and was constructed and commissioned in June 2000.

The Plant provides treated for municipal waste water to current European Regulations before discharging to the Dromore River, which in turn joins the Annalee River 4.8

Kilometres downstream of the primary discharge point and is part of the Erne catchment.

Since that time, the plant has been maintained by Cavan County Council. The mechanical and electrical equipment is in good working order.

The design of the new works has a treatment capacity of 2,756p.e. The current loading on this plant is 2,072 p.e. based on an average measured flow of 518 Cubic meters per day. (The current loading is based on survey carried out as part of licence application).

Under the terms of the Discharge Licence Issued the influent and primary discharge point together with the upstream and downstream of this discharge will be monitored for analysis as per sampling frequency stated in Licence.
The Plant is manned by one caretakers from 8.00a.m to 4.00pm seven days of the week and at other times when required.

1.3 Description of Wastewater Treatment Works

The Cootehill Wastewater Treatment Process is a conventional activated sludge process. The existing plant has a design capacity of 2,756 p.e. with a design effluent quality of 10 mg/l BOD and 10mg/l suspended solids. The plant is currently operating very well with effluent quality of less than 5 mg/l BOD and less than 10mg/l suspended solids being frequently achieved. The level of treatment provided at the existing works is preliminary, secondary and tertiary treatment with phosphate removal. The influent to the wastewater treatment works is screened with an automatic 6mm fine screen. Grit is removed by a circular grit trap. The flow enters an anoxic tank and is then split between two aeration tanks which aerate the activated sludge with surface aerators. One circular settlement tank with half bridge scraper are used for final settlement followed by rapid gravity sand filters prior to discharge of final effluent to the Dromore River.

Activated sludge is returned to the aeration basins to maintain the mixed liquor suspended solids in the basins. Waste sludge is pumped to a sludge holding tank. Sludge is then dewatered via a belt press prior to disposal.

The main components of the wastewater treatment works are as follows:
400mm incoming gravity sewer
Mechanically raked 5mm Fine screen and Vortex Grit Trap
Flow measurement at inlet, outlet and storm overflow outlet
One anoxic tank
Two Aeration basins c/w surface aerators
One Clarifiers c/w half bridge scrapers
Tertiary Treatment System of Rapid gravity sand filters
Sludge thickening and dewatering facilities.
Phosphate Removal facility.
Administration Building.
One Storm water holding tank.
Foul, Storm, RAS and WAS pumps.
Chemical Storage/Industrial Balancing Building

Table 1 – Summary of Wastewater Treatment Plant Design Parameters

Wastewater Treatment Plant Parameters	Value
Population Equivalent	2756
BOD (kg/d)	165
Dry Weather Flow (m3/day)	500
Peak Flow to Full Treatment (m^3/day)	1,500
Storm water storage capacity (m^3)	265

The number of persons employed for operation and maintenance of the Wastewater collection and disposal facilities are summarised as follows:

Table 2 – Persons Employed at Cootehill WWTP

Cootehill Wastewater Treatment Works	
Persons employed (Caretaker)	1 (100% of time)
Population Served	2,072 p.e.

The operation and maintenance of the sewerage scheme and sewage treatment plant facilities are undertaken by the Water Services Section of Cavan County Council. The plant is manned from 8:00 a.m. to 4:00 p.m. every day of the week and at other times when emergency situations arise.

1.4 Description of receiving aqueous environment

The Cootehill Wastewater Treatment Works currently discharges to the Dromore River. The Dromore River rises from Dromore Lake located north East of Cootehill on the Cavan Monaghan Border. The river flows along a meandering path generally from East to West to the North and west of Cootehill that joins the Annalee River 4.8 Kilometres downstream of the primary discharge point and is part of the Erne catchment. The discharge from Cootehill WWTP is into the North Western International River Basin District, in the Woodford Water Management Unit; the current status of the water body is Poor Ecological Status

2.1 Discharge Points

Discharge Point Ref.	Discharge	Easting	Northing	Description
SW1	Primary	259273	314860	To Dromore River via 350mm HDPE pipe.

2.1.1 Effluent Outfall (Primary Discharge) (Ref. SW1)

The existing outfall (350mm HDPE pipe) is discharging the treated effluent into the Dromore River 100 meters from the treatment works location.

2.1.2 Storm Tanks

The storm tanks for the treatment works are located on the treatment works site and at Munnilly Pumping Station. The storm tanks have a storage capacity of 265m^3 and 180 m^3 This equates to a storage capacity of 2.4 hours at 3DWF for 2,756 p.e. and the back up from the storm holding tank located at Munnilly Pumping Station.

2.1.3 Existing Sewerage Network Overview

The Wastewater Collection System serving the Cootehill Town Catchment has been in operation for over 50 years. New trunk mains and rising mains have been installed in 2001. The existing wastewater collection network in Cootehill Town serves a catchment that includes the main town centre, surrounding residential properties.

The town centre is served by a gravity trunk sewer which transfers combined storm and wastewater flows along Market Street and Station Road to the wastewater Pumping station at Munnilly through a rising main on Bridge Street and gravity to the treatment plant to the north-west of the town. The topography of the area has resulted in 7 main pumping stations being utilised to pump wastewater flows from developments on the periphery of the catchment to gravity networks, pumping stations and final 400mm diameter gravity sewer to the treatment plant.

The town is also served by a number of separate surface water collection networks which discharge into, or into tributaries of, the Annalee River.

3 Summary of Monitoring Data

3.1.1 Influent Monitoring

The Monitoring required under Discharge Licence commenced in January 2013, therefore there is no Influent Monitoring data available for the period November 15th to December 31st to which this AER applies.

3.2.1 Screening for Organic Compounds and Metals

Under the terms of Condition 4.11 of Licence, (Ref. D0082-01), Screening for Priority Substances is required to be carried out within 12 months of grant of this licence. This screening will be carried out within required timeframe and report submitted on same with Second AER in 2014.

3.2.2 Flow Data

Having examined data for inflow to and outflow from plant for period November 15th to December 31st 2012, (47 days), the following average data has been calculated. However it should be noted that this is a relatively short duration.

Average Inflow to Plant: 1,146 m^3/day

Average Outflow from Plant: 1,175 m^3/day

3.3.1 Determination of the Population Equivalent load to the WWTP.

As there is no Influent monitoring data available it is not possible to estimate plant loading at this point in time.

3.4.1 Primary Discharge (Effluent) Monitoring

Table 3.4.1 below details the monitoring results for Primary Discharge samples taken during period November 15th to December 31st 2012.

Table 3.4.1

Date	cBOD (mg/l)	COD (mg/l)	Susp. Solids. (mg/l)	pH	Total P (mg/l)	Ammonia (mg/L)
04/12/12	4	34	13	7.22	0.108	0.088

3.4.2 Summary of Discharge (Effluent) Monitoring

Table 3.4.2 below summarises Discharge (Effluent) Monitoring Data.

Table 3.4.2

	cBOD (mg/l)	COD (mg/l)	Susp. Solids (mg/l)	Ortho. P. (mg/l)	Ammonia (mg/l)	pH
ELV	11	125	35	0.5	1.1	6 – 9
ELV with Condition 2 Interpretation	No Result outside ELV Range	No Result outside ELV Range	No Result outside ELV Range	No Results Available	No Result outside ELV Range	No Result outside ELV Range
Number of Sample Results	1	1	1	0	1	11
Number of Sample Results above ELV	0	0	0	N/A	0	0
Number of Sample Results above ELV with Condition 2 Interpretation	0	0	0	N/A	0	0
Overall Compliance (Pass/Fail)	Pass	Pass	Pass	N/A	Pass	Pass

3.5.1 Treatment Efficiencies at WWTP.

Insufficient data is available to examine Treatment Efficiencies at plant in the context of this AER.

3.6.1 Ambient Monitoring – Receiving Water Upstream

The Monitoring required under Discharge Licence commenced in January 2013, therefore there is no Upstream Monitoring data available for the period November 15th to December 31st to which this AER applies.

3.6.2 Ambient Monitoring – Receiving Water Downstream

The Monitoring required under Discharge Licence commenced in January 2013, therefore there is no Downstream Monitoring data available for the period November 15th to December 31st to which this AER applies.

The discharge from Cootehill WWTP is into the North Western International River Basin District, in the Woodford Water Management Unit; the current status of the water body is Poor Ecological Status. This status must be improved to at least Good Ecological Status in accordance with the requirement of the Water Framework Directive by 2012.

Stn 700 - Br W of Clementstown – Q – Poor
Stn 900 – Killycreeny Br (mid) – Q – Moderate

The lesser status (in this case Poor) is always the status assigned to the water body.

Water Framework Directive Status & Q Rating

(Source: The Quality of River & Lake water in County Cavan. A Report for the Year 2011. Environment Section, Cavan County Council).

River: **Dromore**

Catchment: **Erne**

WFD Status

Station Location	Station Number	Water Body Code	Current Ecological Status RWB	Target Ecological Status RWB	Target Date
New Br. at Clementstown	0600	NW_36_237	Poor	Good	2021
Old Bridge	0700	NW_36_237	Poor	Good	2021
Killycreeney br	0900	NW_36_237	Poor	Good	2021

Sampling Stations and Biological Quality Ratings

Station Number	Station Location	Q'89	Q'93	Q'97	Q'98	Q'01	Q'04	Q'07	Q'10
0500	Ballynascarva bridge	3	3	3	3	-	3-4	3	3
0600	New Br. at Clementstown	3	-	-	-	-	-	-	-
0700	Old Bridge	3	3	3-4	3	3	3	3	3
0900	Killycreeney br	3-4	4	4	4-5	4	4	3-4	3-4

MRP results

Station	1999 Med (µg P/l)	2000 Med (µg P/l)	2001 Med (µg P/l)	2002 Med (µg P/l)	2003 Med (µg P/l)	2004 Med (µg P/l)	2005 Med (µg P/l)	2006 Med (µg P/l)	2007 Med (µg P/l)	2008 Med (µg P/l)	2009 Med (µg P/l)	2010 Med (µg P/l)	2011 Med (µg P/l)
0600	36	38	35	26	33	30	38	31	49	32	22	30	24
0700	57	44	53	35	37	41	38	42	44	38	30	55	37
0900	58	48	53	40	39	45	40	40	65	68	44	57	43

Assessment

This river is in poor condition.

Change from 2009

There is a reduction in Phosphorus levels at all stations.

3.6.4 Survey of Freshwater Pearl Mussel

Condition 4.20 of Licence states:

"The licensee shall within 12 months of the date of the grant of this licence, carry out a survey of the freshwater pearly mussel on the Dromore River in consultation with the National Parks and Wildlife Service."

The required study will be carried out as required.

3.7 Data collection and reporting requirements under the Urban Waste Water Treatment Directive

It is confirmed that the annual urban waste water information for agglomerations and treatment plants with a population equivalent greater than 500 is submitted in electronic format on an annual basis.

3.8 Pollutant Release and Transfer Register (PRTR) - report for previous year

This information was submitted electronically via the EPA website.
Both the AER / PRTR Emissions Data information (i.e. all relevant worksheets including the "Facility ID & Activities" sheet) and the Sector-specific Excel-Calculation Tool are printed out and included at the end of this AER in Appendix 2.

3.9 Pollutant Release and Transfer Register - proposal for current year

This requirement is covered under the electronic submission in 3.6 above.

4.1 Complaint and Incident Reports

4.1.1 Complaints Summary

There were no complaints of an environmental nature related to the discharge(s) to waters from the waste water works. Similarly there were no complaints in respect of odour.

4.1.2 Reported Incidents Summary

There were no Incidents during period to which this AER applies.

4.1.3 Notices of Non-Compliance

There were no Notices of Non-Compliance issued by the Agency in 2012.

5. Infrastructural Assessments and Programme of Improvements.

5.1 Treatment Capacity

Under the terms of Condition 1.7.1 of the licence, the licensee shall on an annual basis undertake an assessment of the remaining organic and hydraulic treatment capacities within the waste water works (design capacity of plant, less flow-load calculation for representative period). Please include this report as part of the AER.

5.1.1 Treatment Capacity Summary

Insufficient data for the period November 15th to December 31st is available to carry out assessment of Treatment capacity. This will be addressed in AER in 2014.

5.2 Storm water overflow identification and inspection report
Under the terms of Condition 4.12 of the licence, the licensee shall carry out an investigation for the identification and assessment of storm water overflows.

The required report will submitted with Second AER in February 2014.

5.3 Report on possible Infrastructural Improvements.

Under the terms of Condition 5 of the licence, the licensee shall submit to the Agency a programme of infrastructural improvements to maximise the effectiveness and efficiency of the waste water works.

The required report will be submitted with Second AER in February 2014.

6. Environmental Liability and Financial Provisions.

6.1 Annual Statement on Prevention of Environmental Damage.

Condition 7.2.1 Environmental Liabilities of Licence states:

*"The licensee shall as part of the **AER** provide an annual statement as to the measures taken or adopted in relation to the prevention of environmental damage, and the financial provisions in place in relation to the underwriting of costs for remedial actions following anticipated events (including closure) or accidents/incidents, as may be associated with discharges or overflows from the waste water works."*

The required report will submitted with Second AER in February 2014.

Condition 7.2.2 Environmental Liabilities of Licence states that:
*"The licensee shall arrange for the completion, by an independent and appropriately qualified consultant, of a comprehensive and fully costed Environmental Liabilities Risk Assessment (ELRA) to address the liabilities from present or planned discharges. A report on this assessment shall be submitted to the Agency for agreement within twelve months of the date of grant of this licence. The ELRA shall be reviewed as necessary to reflect any significant change to the volume or character of effluent discharged, and in any case every three years following initial agreement (the results of the review shall be notified as part of the **AER**)".*

Submission

The required report will submitted with Second AER in February 2014.

7. Licence Specific Reports

The following reports are required by the Licence: -

7.1 Storm water overflows (Condition 4.12).

7.1.1 Identification & Assessment of Storm water overflows (Condition 4.12.1)

*"The licensee shall, prior to the date for submission of the **second AER** (required under Condition 6.11), carry out an investigation for the identification and assessment of storm water overflows. A report on the storm water overflows shall be submitted to the Agency as part of the second AER. The assessment shall include a determination of compliance with the criteria for storm water overflows, as set out in the DoEHLG 'Procedures and Criteria in Relation to Storm Water Overflows', 1995 and any other guidance as may be specified by the Agency".*

The required report will submitted prior to date of Second AER in February 2014.

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7.1.2 Ongoing Assessment of Storm Water Overflows (Condition 4.12.2)

*"The licensee shall carry out an assessment of storm water overflows at least once every three years thereafter and report to the Agency on each occasion as part of the **AER**. The assessment shall include a determination of compliance with the criteria for storm water overflows, as set out in the DoEHLG 'Procedures and Criteria in Relation to Storm Water Overflows ', 1995 and any other guidance as may be specified by the Agency. The licensee shall maintain a written record of all assessments and remedial measures arising from the assessment".*

Submission

Reports shall be submitted subsequent to the initial report which is dealt with in Section 5.2 of this AER

7.2 PRTR Report (Condition 4.13)

*"The licensee shall prepare a PRTR report for the primary and secondary discharges. The substances to be included in the PRTR shall be as agreed by the Agency each year by reference to EC Regulation No. 166/2006 concerning the establishment of the European Pollutant and Transfer Register and amending Council Directives 91/689/EEC and 96/61/EC. The PRTR shall be prepared in accordance with any relevant guidelines issued by the Agency and shall be submitted electronically in specified format and as part of the **AER**"*

Submission

A PRTR report has been submitted electronically to the Agency and the printed Worksheets are attached at the end of this AER.

7.3 Infrastructural Improvements (Condition 5.1)

*"The licensee shall, as a part of the **second AER** (required under Condition 6.11), prepare and submit to the Agency a programme of infrastructural improvements to maximise the effectiveness and efficiency of the waste water works in order to:*
a) achieve improvements in the quality of all discharges from the works;
b) meet the emission limit values specified in Schedule A; Discharges, of this licence;
c) give effect to Regulation 2 of the Waste Water Discharge (Authorisation) Regulations 2007 (S.I. No. 684 of 2007);
d) reduce total phosphorous loadings in the discharge to the maximum practicable extent;
e) reduce ammonia loadings in the discharge to the maximum practicable extent;
f) meet the obligations of Condition 1.7".

Submission

Please refer to Section 5.3.

7.4 Public Awareness and Communications Programme (Condition 6.6)

"The licensee shall establish and maintain a Public Awareness and Communications Programme…."

Submission
This has been established.

7.5 Submission of AER (Condition 6.8)

"The licensee shall submit to the Agency, by the 28th February of each year, an AER covering the previous calendar year. This report, which shall be to the satisfaction of the Agency, shall include as a minimum the information specified in Schedule D: Annual Environmental Report, of this licence and shall be prepared in accordance with any relevant guidelines issued by the Agency".

Submission

This is the AER report required to be submitted.

7.6 Statement on the prevention of environmental damage. (Condition 7.2.1)

*"The licensee shall as part of the **AER** provide an annual statement as to the measures taken or adopted in relation to the prevention of environmental damage, and the financial provisions in place in relation to the underwriting of costs for remedial actions following anticipated events (including closure) or accidents/incidents, as may be associated with discharges or overflows from the waste water works."*

Submission

This is discussed in Section 6.1 above.

7.7 Environmental Liabilities Risk Assessment (Condition 7.2.2)

*"The licensee shall arrange for the completion, by an independent and appropriately qualified consultant, of a comprehensive and fully costed Environmental Liabilities Risk Assessment (ELRA) to address the liabilities from present or planned discharges. A report on this assessment shall be submitted to the Agency for agreement within twelve months of the date of grant of this licence. The ELRA shall be reviewed as necessary to reflect any significant change to the volume or character of effluent discharged, and in any case every three years following initial agreement (the results of the review shall be notified as part of the **AER**)".*

The required report will be submitted with Second AER in February 2014.

Appendix 1

Sludge Data

Date	Organic Sludge	Weight per Load	Landbank	Haulier	CP/Haulier Docket No.
20/01/11	Cootehill WWTP	13.41	Carrollstown	Taaffe Recycling	19910
31/01/12	Cootehill WWTP	13.41	Carrollstown	Taaffe Recycling	19917
08/02/11	Cootehill WWTP	13.41	Carrollstown	Taaffe Recycling	19928
15/02/12	Cootehill WWTP	13.41	Carrollstown	Taaffe Recycling	19934
20/02/12	Cootehill WWTP	13.41	Carrollstown	Taaffe Recycling	19943
01/03/12	Cootehill WWTP	13.41	Carrollstown	Taaffe Recycling	19852
12/03/12	Cootehill WWTP	13.41	Carrollstown	Taaffe Recycling	19862
22/03/12	Cootehill WWTP	13.41	Carrollstown	Taaffe Recycling	19868
26/03/12	Cootehill WWTP	13.41	Carrollstown	Taaffe Recycling	19873
30/03/12	Cootehill WWTP	13.41	Carrollstown	Taaffe Recycling	19890
06/04/12	Cootehill WWTP	13.16	Carrollstown	Taaffe Recycling	20251
10/04/12	Cootehill WWTP	13.16	Carrollstown	Taaffe Recycling	20252
20/04/12	Cootehill WWTP	13.16	Carrollstown	Taaffe Recycling	20264
30/04/12	Cootehill WWTP	13.16	Carrollstown	Taaffe Recycling	20269
09/05/12	Cootehill WWTP	13.16	Carrollstown	Taaffe Recycling	20281
15/05/12	Cootehill WWTP	13.16	Carrollstown	Taaffe Recycling	20289
25/05/12	Cootehill WWTP	13.16	Carrollstown	Taaffe Recycling	20296
01/06/12	Cootehill WWTP	13.16	Carrollstown	Taaffe Recycling	20105
05/06/12	Cootehill WWTP	13.16	Carrollstown	Taaffe Recycling	20108
14/06/12	Cootehill WWTP	13.16	Carrollstown	Taaffe Recycling	20116
22/06/12	Cootehill WWTP	13.16	Carrollstown	Taaffe Recycling	20126
29/06/12	Cootehill WWTP	13.16	Carrollstown	Taaffe Recycling	20133
09/07/12	Cootehill WWTP	13.16	Carrollstown	Taaffe Recycling	20141
16/07/12	Cootehill WWTP	13.16	Carrollstown	Taaffe Recycling	21955
20/07/12	Cootehill WWTP	13.16	Carrollstown	Taaffe Recycling	21966
02/08/12	Cootehill WWTP	13.16	Carrollstown	Taaffe Recycling	21972
13/08/12	Cootehill WWTP	13.16	Carrollstown	Taaffe Recycling	21979
23/08/12	Cootehill WWTP	13.16	Carrollstown	Taaffe Recycling	21990
07/09/12	Cootehill WWTP	13.16	Carrollstown	Taaffe Recycling	15509
13/09/12	Cootehill WWTP	13.16	Carrollstown	Taaffe Recycling	15514
02/10/12	Cootehill WWTP	13.16	Carrollstown	Taaffe Recycling	15526
11/10/12	Cootehill WWTP	13.16	Carrollstown	Taaffe Recycling	15534

Date	Organic Sludge	Weight per Load	Landbank	Haulier	CP/Haulier Docket No.
23/10/12	Cootehill WWTP	13.16	Carrollstown	Taaffe Recycling	15542
26/10/12	Cootehill WWTP	13.16	Carrollstown	Taaffe Recycling	22851
02/11/12	Cootehill WWTP	13.16	Carrollstown	Taaffe Recycling	22858
08/11/12	Cootehill WWTP	13.16	Carrollstown	Taaffe Recycling	22864
10/11/12	Cootehill WWTP	13.16	Carrollstown	Taaffe Recycling	22866
13/11/12	Cootehill WWTP	13.16	Carrollstown	Taaffe Recycling	22868
16/11/12	Cootehill WWTP	13.16	Carrollstown	Taaffe Recycling	22873
20/11/12	Cootehill WWTP	13.16	Carrollstown	Taaffe Recycling	22876
22/11/12	Cootehill WWTP	13.16	Carrollstown	Taaffe Recycling	22884
28/11/12	Cootehill WWTP	13.16	Carrollstown	Taaffe Recycling	22883
07/12/12	Cootehill WWTP	13.16	Carrollstown	Taaffe Recycling	22895
19/12/12	Cootehill WWTP	13.16	Carrollstown	Taaffe Recycling	22954
21/12/12	Cootehill WWTP	13.16	Carrollstown	Taaffe Recycling	22957
22/12/12	Cootehill WWTP	13.16	Carrollstown	Taaffe Recycling	22961
28/12/12	Cootehill WWTP	13.16	Carrollstown	Taaffe Recycling	22962
	Total 2012	**621.02 Tonnes**			

Appendix 2

Pollutant Release and Transfer Register

Environmental Protection Agency

Guidance to completing the PRTR workbook

AER Returns Workbook

Version 1.1.15

REFERENCE YEAR	2012

1. FACILITY IDENTIFICATION

Parent Company Name	Cavan County Council
Facility Name	Cootehill Waste Water Treatment Plant
PRTR Identification Number	D0082
Licence Number	D0082-01

Waste or IPPC Classes of Activity

No.	class_name
30.4	General

Address 1	Courthouse
Address 2	Farnham Street
Address 3	Cavan
Address 4	
Country	Ireland
Coordinates of Location	-7.09314 54.0801
River Basin District	IENW
NACE Code	3700
Main Economic Activity	Sewerage
AER Returns Contact Name	John Denning
AER Returns Contact Email Address	jdenning@cavancoco.ie
AER Returns Contact Position	Senior Executive Engineer
AER Returns Contact Telephone Number	+353 (0)49 4378425
AER Returns Contact Mobile Phone Number	+353 (0)87 6478501
AER Returns Contact Fax Number	+353 (0)49 4332299
Production Volume	0.0
Production Volume Units	
Number of Installations	0
Number of Operating Hours in Year	0
Number of Employees	1
User Feedback/Comments	
Web Address	

2. PRTR CLASS ACTIVITIES

Activity Number	Activity Name
5(f)	Urban waste-water treatment plants

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. WASTE IMPORTED/ACCEPTED ONTO SITE

Guidance on waste imported/accepted onto site

Do you import/accept waste onto your site for on-site treatment (either recovery or disposal activities) ?	

This question is only applicable if you are an IPPC or Quarry site

4.1 RELEASES TO AIR

Link to previous years emissions data

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

RELEASES TO AIR					Please enter all quantities in this section in KGs			
POLLUTANT		METHOD			QUANTITY			
			Method Used					
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
01	Methane (CH4)	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.0	0.0	0.0	0.0
02	Carbon monoxide (CO)	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.0	0.0	0.0	0.0
03	Carbon dioxide (CO2)	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.0	56693.0	0.0	56693.0
05	Nitrous oxide (N2O)	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.0	0.0	0.0	0.0
07	Non methane volatile organic compounds (NMVOC)	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.0	0.0	0.0	0.0
08	Nitrogen oxides (NOx/NO2)	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.0	0.0	0.0	0.0
11	Sulphur oxides (SOx/SO2)	E	ESTIMATE	EPA UWWTP Tool Version 5.0	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			
			Method Used					
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 AIR					Please enter all quantities in this section in KGs			
POLLUTANT		METHOD			QUANTITY			
			Method Used					
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

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: Cootehill Waste Water Treatment Plant

Please enter summary data on the quantities of methane flared and / or utilised

	T (Total) kg/Year	M/C/E	Method Used: Method Code	Method Used: Designation or Description	Facility Total Capacity m3 per hour	
Total estimated methane generation (as per site model)	0.0				N/A	
Methane flared	0.0				0.0	(Total Flaring Capacity)
Methane utilised in engine/s	0.0				0.0	(Total Utilising Capacity)
Net methane emission (as reported in Section A above)	0.0				N/A	

4.2 RELEASES TO WATERS Link to previous years emissions data

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
[illegible]	1,2-dichloroethane (EDC)	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.0	0.0	0.0	0.0
[illegible]	Alachlor	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.0	0.0	0.0	0.0
[illegible]	Aldrin	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.0	0.0	0.0	0.0
[illegible]	Anthracene	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.001	0.001	0.0	0.0
[illegible]	Arsenic and compounds (as As)	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.243	0.255	0.0	0.012
[illegible]	Atrazine	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.004	0.004	0.0	0.0
[illegible]	Benzene	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.007	0.009	0.0	0.002
[illegible]	Benzo(g,h,i)perylene	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.001	0.001	0.0	0.0
[illegible]	Brominated diphenylethers (PBDE)	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.0	0.0	0.0	0.0
[illegible]	Cadmium and compounds (as Cd)	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.114	0.117	0.0	0.003
[illegible]	Chlordane	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.0	0.0	0.0	0.0
[illegible]	Chlordecone	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.0	0.0	0.0	0.0
[illegible]	Chlorfenvinphos	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.0	0.0	0.0	0.0
[illegible]	Chlorides (as Cl)	E	ESTIMATE	EPA UWWTP Tool Version 5.0	23210.282	23858.282	0.0	648.0
[illegible]	Chloro-alkanes, C10-C13	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.09	0.092	0.0	0.002
[illegible]	Chlorpyrifos	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.0	0.0	0.0	0.0
[illegible]	Chromium and compounds (as Cr)	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.343	0.344	0.0	0.001
[illegible]	Copper and compounds (as Cu)	E	ESTIMATE	EPA UWWTP Tool Version 5.0	1.287	1.344	0.0	0.057
[illegible]	Cyanides (as total CN)	E	ESTIMATE	EPA UWWTP Tool Version 5.0	1.257	1.285	0.0	0.028
[illegible]	DDT	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.0	0.0	0.0	0.0
[illegible]	Di-(2-ethyl hexyl) phthalate (DEHP)	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.393	0.423	0.0	0.03
[illegible]	Dichloromethane (DCM)	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.019	0.02	0.0	0.001
[illegible]	Dieldrin	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.0	0.0	0.0	0.0
[illegible]	Diuron	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.011	0.011	0.0	0.0
[illegible]	Endosulphan	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.0	0.0	0.0	0.0
[illegible]	Endrin	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.0	0.0	0.0	0.0
[illegible]	Ethyl benzene	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.007	0.008	0.0	0.001
[illegible]	Fluoranthene	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.001	0.001	0.0	0.0
[illegible]	Fluorides (as total F)	E	ESTIMATE	EPA UWWTP Tool Version 5.0	100.784	102.998	0.0	2.214
[illegible]	Halogenated organic compounds (as AOX)	E	ESTIMATE	EPA UWWTP Tool Version 5.0	1.024	1.048	0.0	0.024
[illegible]	Heptachlor	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.0	0.0	0.0	0.0
[illegible]	Hexabromobiphenyl	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.0	0.0	0.0	0.0
[illegible]	Hexachlorobenzene (HCB)	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.0	0.0	0.0	0.0
[illegible]	Hexachlorobutadiene (HCBD)	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.0	0.0	0.0	0.0
[illegible]	Isodrin	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.0	0.0	0.0	0.0
[illegible]	Isoproturon	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.003	0.003	0.0	0.0
[illegible]	Lead and compounds (as Pb)	E	ESTIMATE	EPA UWWTP Tool Version 5.0	1.303	1.411	0.0	0.108
[illegible]	Lindane	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.0	0.0	0.0	0.0
[illegible]	Mercury and compounds (as Hg)	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.0	0.001	0.0	0.001
[illegible]	Mirex	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.0	0.0	0.0	0.0
[illegible]	Naphthalene	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.002	0.003	0.0	0.001
[illegible]	Nickel and compounds (as Ni)	E	ESTIMATE	EPA UWWTP Tool Version 5.0	1.826	1.862	0.0	0.036
[illegible]	Nonylphenol and Nonylphenol ethoxylates (NP/NPEs)	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.036	0.047	0.0	0.011
[illegible]	Octylphenols and Octylphenol ethoxylates	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.0	0.0	0.0	0.0
[illegible]	Organotin compounds (as total Sn)	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.0	0.0	0.0	0.0
[illegible]	Pentachlorobenzene	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.0	0.0	0.0	0.0
[illegible]	Pentachlorophenol (PCP)	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.0	0.0	0.0	0.0
[illegible]	Phenols (as total C)	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.39	1.199	0.0	0.809
[illegible]	Polychlorinated biphenyls (PCBs)	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.0	0.0	0.0	0.0
[illegible]	Polycyclic aromatic hydrocarbons (PAHs)	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.005	0.007	0.0	0.002
[illegible]	Simazine	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.006	0.006	0.0	0.0
[illegible]	Tetrachloroethylene (PER)	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.025	0.025	0.0	0.0
[illegible]	Tetrachloromethane (TCM)	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.0	0.0	0.0	0.0
[illegible]	Toluene	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.212	0.351	0.0	0.139
[illegible]	Total nitrogen	E	ESTIMATE	EPA UWWTP Tool Version 5.0	6124.221	6359.021	0.0	234.8
[illegible]	Total organic carbon (TOC) (as total C or COD/3)	E	ESTIMATE	EPA UWWTP Tool Version 5.0	3954.056	4085.076	0.0	131.02
[illegible]	Total phosphorus	M	EN ISO 15681-1 to 2 2004		46.318	89.268	0.0	42.95
[illegible]	Toxaphene	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.0	0.0	0.0	0.0
[illegible]	Tributyltin and compounds	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.0	0.0	0.0	0.0
[illegible]	Trichlorobenzenes (TCBs) (all isomers)	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.0	0.0	0.0	0.0
[illegible]	Trichloroethylene	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.0	0.0	0.0	0.0
[illegible]	Trifluralin	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.0	0.0	0.0	0.0
[illegible]	Triphenyltin and compounds	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.0	0.0	0.0	0.0
[illegible]	Vinyl chloride	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.0	0.0	0.0	0.0
[illegible]	Xylenes	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.05	0.066	0.0	0.016
[illegible]	Zinc and compounds (as Zn)	E	ESTIMATE	EPA UWWTP Tool Version 5.0	21.17	22.389	0.0	1.219

* 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
[illegible]	Total Hardness (mg/l CaCO3)	E	ESTIMATE	EPA UWWTP Tool Version 5.0	86523.917	89433.917	0.0	2910.0
[illegible]	Selenium	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.0	0.0	0.0	0.0
[illegible]	Antimony (as Sb)	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.066	0.071	0.0	0.005
[illegible]	Molybdenum	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.0	0.014	0.0	0.014
[illegible]	Tin	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.062	0.062	0.0	0.0
[illegible]	Barium	E	ESTIMATE	EPA UWWTP Tool Version 5.0	5.68	6.041	0.0	0.361
[illegible]	Boron	E	ESTIMATE	EPA UWWTP Tool Version 5.0	26.209	27.099	0.0	0.89
[illegible]	Cobalt	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.075	0.078	0.0	0.003

[redacted]	[redacted]	E	ESTIMATE	EPA UWWTP Tool Version 5.0	1.17	1.222	0.0	0.052
[redacted]	[redacted]	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.002	0.002	0.0	0.0
[redacted]	[redacted]	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.0	0.0	0.0	0.0
[redacted]	[redacted]	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.046	0.047	0.0	0.001
[redacted]	[redacted]	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.022	0.022	0.0	0.0
[redacted]	[redacted]	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.038	0.038	0.0	0.0
[redacted]	[redacted]	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.657	0.661	0.0	0.004
[redacted]	[redacted]	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.001	0.001	0.0	0.0
[redacted]	[redacted]	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.001	0.001	0.0	0.0
[redacted]	[redacted]	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.001	0.001	0.0	0.0
[redacted]	[redacted]	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.001	0.001	0.0	0.0
[redacted]	[redacted]	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.0	0.0	0.0	0.0
[redacted]	[redacted]	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.035	0.036	0.0	0.001
[redacted]	[redacted]	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.0	0.0	0.0	0.0
[redacted]	[redacted]	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.0	0.0	0.0	0.0
[redacted]	[redacted]	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.0	0.0	0.0	0.0
[redacted]	[redacted]	M			37.74	37.74	0.0	0.0
[redacted]	[redacted]	M			1715.468	1715.468	0.0	0.0
[redacted]	[redacted]	M			14581.478	14581.478	0.0	0.0
[redacted]	[redacted]	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.0	0.0	0.0	0.0
[redacted]	[redacted]	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.0	0.0	0.0	0.0
[redacted]	[redacted]	E	ESTIMATE	EPA UWWTP Tool Version 5.0	0.0	0.0	0.0	0.0
[redacted]	[redacted]	E	ESTIMATE	EPA UWWTP Tool Version 5.0	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

4.3 RELEASES TO WASTEWATER OR SEWER

Link to previous years emissions data

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			
			Method Used					
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			
			Method Used					
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

SECTION A : PRTR POLLUTANTS

RELEASES TO LAND					Please enter all quantities in this section in KGs		
POLLUTANT		METHOD			QUANTITY		
			Method Used				
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		
			Method Used				
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

Please enter all quantities on this sheet in Tonnes

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 Name and Licence/Permit No of Recover/Disposer	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					
Within the Country	19 08 05	No	621.02	sludges from treatment of urban waste water	R10	M	Weighed	Offsite in Ireland	Clearpower Ltd. / Haulier Taaffe Recycling Ltd. / Clearpower Landbank at Carrollstown Co. Meath (3rd party landowner),WCP/MH/09/0003-01	Clearpower Ltd. Unit 7,Broomhill Business Campus,Broomhill Road,Tallaght Dublin 24,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

CAVAN COUNTY COUNCIL
COMHAIRLE CHONTAE AN CHABHÁIN

Water Services 2013