Kerry County Council

Waste Licence Ref No. W0072-01

REPORT TITLE

Coolcaslagh Transfer Station, Killarney
Annual Environmental Report

Reporting Period:

1st January – 31st December 2014

Prepared By:
Environmental Service Section,
Kerry County Council,
Maine Street,
Tralee
Co. Kerry.

March 2015

1.0 Introduction

Kerry County Council operates a waste transfer and recycling facility at Coolcaslagh, Killarney, Co. Kerry which is located approximately 5 km east of the town of Killarney. The facility is located in the townland of Coolcaslagh on the county road L2507 and approximately 3 km from Lissyviggeen Cross on the N22.

The principal activity of the Transfer Station is the compaction of solid waste into 30 cubic meter closed containers for subsequent transfer and disposal at North Kerry Landfill in Muingnaminnane, Tralee. From the 12th July 2014, all waste from Coolcaslagh WTS was transferred to KWD Recycling for treatment/disposal as North Kerry Landfill ceased taking waste.

Other activities include the recycling or reclamation of inorganic materials including metals, glass, steel and aluminium cans, car batteries, dry cell batteries, fluorescent tubes, domestic hazardous waste, cardboard, plastic bottles and newspapers.

This Annual Environment Report is prepared in accordance with Condition 2.8 and Schedule B of Waste Licence W0072-01 issued by the Environmental Protection Agency (EPA).

2.0 Reporting Period

The reporting period for this Annual Environmental Report is 1st January – 31st December 2014.

3.0 Waste Activities carried out at the Facility

Waste disposal activities carried out at Coolcaslagh Transfer Station are in accordance with Part 1 of Waste Licence W0072-01 which outlines the waste disposal activities licensed in accordance with the Third Schedule of the Waste Management Act 1996. Licensed activities include:

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.

Waste recovery activities carried out at Coolcaslagh Transfer Station are in accordance with Part 1 of Waste Licence W0072-01 which outlines the waste recovery activities licensed in accordance with the Fourth Schedule of the Waste Management Act 1996. Licensed activities include:

Class 1 Solvent reclamation or regeneration.

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 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.

4.0 Quantity and Composition of Waste Received, Disposed and Recovered: 1st Jan – 31st Dec 2014

The quantity disposed of at Coolcaslagh Transfer Station during the reporting year (2014) decreased by 819.89 tonnes on the previous year (2013). This is as a result of Killarney Town Councils Refuse collection service no longer using Coolcaslagh Waste transfer station to dispose of its waste.+

The weight of the waste accepted into Coolcaslagh Transfer Station Facility for disposal for the reporting period was 1,604.16 Tonnes. This comprises of the following breakdown:

Source	***2012***	***2013***	***2014***
Killarney Town Council refuse collection	967.94	957.18	198.08
Household waste	1,173.98	1,185.84	1,240.367
Small commercial business waste	35.16	34.68	32
KLA Commercial Waste	24.66	10.84	9.02
KLA Road Sweepings	127.62	136.20	36.30
Graveyard Waste	14.72	15.54	12.94
KLA Flytipping/Street Cleaning	65.06	80.22	73.69
Total	**2,409.14**	**2,420.60**	**1,604.16**

Table 1 – Waste by Source.

Appendix I contains the breakdown of waste by source for the reporting period.

The quantities of waste sent for recycling increase by 11% overall in comparison to last reporting period (564.09 tonnes in 2013 to 626.468 tonnes in 2014).

Schedule G of the licence outlines the Waste type and quantities allowable per annum

Waste type	**Max Tonnes per Annum**	**2013**
Municipal	19,000	1,604.61
Wastes for recovery/recycling	500	626.468
Organic Waste for composting	3,000	0
C&D Waste	1,000	0

It is Kerry County Council intension to seek a technical amendment to the licence to adjust the max quantity of recyclable/recovery waste per annum allowable.

Material type	Suggested EWC codes	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Mixed residual waste (Trans Waste out of facility)	20 03 01	257.78	179.84	121.18	120.58	105.24	138.34	114.10	119.96	112.34	112.08	92.86	129.44	1,603.74
Organic waste (food and garden)														0.00
food (compost waste Milltown TS)	*20 01 08*													0.00
garden	*20 02 01*													0.00
Mixed dry recyclables (Ecosence Bags)	15 01 06	0.00	2.96	0.00	0.00	2.06	0.00	1.58	1.42	0.00	1.60	1.44	1.50	12.56
Cardboard, newspaper and other paper														0.00
cardboard packaging	*15 01 01*	16.36	0.00	13.888	0.00	14.56	0.00	16.20	7.98	5.70	6.02	8.68	5.84	95.23
cardboard non-packaging	*20 01 01*													0.00
paper packaging	*15 01 01*													0.00
paper non-packaging	*20 01 01*													0.00
newspaper and magazines	*20 01 01*	16.88	10.40	11.50	12.00	16.44	13.02	19.02	12.36	12.86	14.52	12.78	14.58	166.36
Glass														0.00
glass packaging (bottles)	*15 01 07*	7.8410	5.5260	8.3380	6.6940	5.9220	8.4570	7.8030	7.3570	8.6380	6.0450	7.6520	10.8230	91.0960
glass non-packaging (flat glass)	*20 01 02*													0.0000
Metals														0.0000
aluminium cans (packaging)	*15 01 04*	0.2970	0.2270	0.3430	0.2880	0.1810	0.3000	0.2950	0.2960	0.2640	0.2470	0.2500	0.3070	3.2950
steel cans (packaging)	*15 01 04*	0.7670	0.7470	1.1420	0.7890	0.5940	1.0030	0.8020	1.2400	0.8290	0.7870	0.8160	1.0560	10.5720
other metals (scrap metals)	*20 01 40*	3.14	2.28	4.44	6.04	4.26	3.42	6.64	2.90	4.76	2.42	2.42	4.54	47.26
Plastic														0.00
plastic packaging (bottles)	*15 01 02*	5.32	4.42	4.98	4.04	5.10	4.60	5.24	6.36	4.00	6.48	6.10	6.00	62.64
plastic non-packaging	*20 01 39*													0.00
polystyrene														0.00
Composite packaging (e.g. tetrapaks)	*15 01 05*													0.00
Textiles														0.00
textiles, packaging	15 01 09													0.00
textiles, non-packaging (clothes)	20 01 11		0.14						0.29					0.43
Wood														0.00
wood packaging	15 01 03													0.00
wood non-packaging	20 01 38													0.00
mixed, uncontaminated wood packaging and non-packaging (collected at An Daingean)	15 01 03; 20 01 38													0.00
wood, treated, hazardous	20 01 37*													0.00
Batteries														0.00
lead acid batteries and accumulators (Car Batteries)														0.00
Ni-Cd batteries and accumulators	20 01 34	0.000	0.661	0.000	0.469	0.000	0.000	0.000	0.675	0.000	0.000	0.000	0.610	2.415
Other (e.g. alkaline) batteries and accumulators (Small Batteries)														0.00
														0.00
Household Hazardous Waste														
Waste mineral oils (Engine Oil)	13 07 03	0.784	0.00	0.00	0.00	0.00	0.00	0.00	1.056	0.00	0.00	0.00		1.840
Oil filters (vehicles)	13 08 99													0.00
Oil containers (mineral oil) - plastic + metal	13 08 99													0.00
Waste cooking or vegetable oils	20 01 25													0.00
Waste paint and varnish (including containers)	20 01 27													0.00
Aerosols	14 06 01													0.00
WEEE collected by compliance schemes	*WEEE Ireland*													0.00
CRT	20 01 36	5.134	3.235	3.510	2.396	3.782	3.326	5.304	1.598	4.206	1.672	2.538	3.343	40.044
SDA - Small Domestic Appliances	20 01 36	4.608	3.637	3.231	2.358	3.429	2.798	2.981	3.038	3.557	1.283	3.627	4.466	39.013
LDA - Large Domestic Appliances	20 01 36	4.455	0.000	5.381	4.026	4.078	0.000	7.900	0.000	5.972	1.497	3.887	0.000	37.196
Cold	20 01 36	2.369	0.000	2.004	1.486	1.753	0.000	2.915	0.000	1.789	0.798	3.005	0.000	16.119
														0.00
														0.00
WEEE taken off-site by charities (e.g. mobile phones)	20 01 35													0.00
Foul Water from Septic Tank Coolcaslagh CA	19 07 03	84.14	88.82	20.64	40.22	23.62	5.96	10.76	0.00	29.86	61.30	49.02	24.54	438.88
Flourscent Tubes	20 01 11	0.0920	0.0200		0.0930			0.1290					0.0660	0.4000
<other categories not included above>	<enter EWC code>													
<other categories not included above>	<enter EWC code>													

Table 2 - Waste collected on site and recovered/recycled off site during the reporting period.

5.0 Projections of the quantities to be accepted and percentages disposed and recycled/recovered for the coming year

It is anticipated that the quantity of Household waste disposed of at the facility should remain steady with waste for recycling and recovery due to rise however, However, the WEEE tonnage for 2015 should decrease with the change in the manner in which WEEE is collected from shops. The proposed Household Waste Regulations which are due to come into effect in July will have an impact on the total waste being disposed at this facility however, we are awaiting clarification from the Department of the Environment in relation to this in order assess the impact of this on our services.

6.0 Summary Report on Emissions for the Reporting Period

a) Foul Water Emissions

Foul water from the facility, including the transfer station shed, compactor and the bin transverse area is collected in a holding tank on site and the effluent is tankered to Killarney Wastewater Treatment Plant. During 2014, 438.88 tonnes of foul effluent and silt/sludge were exported off site from the facility for treatment in Killarney Wastewater Treatment Plant. The foul water effluent is monitored quarterly and the results are sent to the Agency and available at the Coolcaslagh facility and Kerry County Council's offices.

b) Surface Water Emissions

Surface water runoff takes place from site roads and uncontaminated surfaces and discharges via silt traps to the surface water drains. An oil interceptor is fitted on the surface water discharge pipe from the bin marshalling yard.

7.0 Summary of Results and Interpretations of Environmental Monitoring

a) Dust monitoring.

The dust monitoring results were within the ELV set down in the licence

There were no issues with dust during 2014 and no complaints were received in relation to dust at the facility. The results over the years have shown no significant nuisance from dust at the facility.

It is Kerry County Council's intension to seek a technical amendment in relation to the dust monitoring requirement of Waste Licence W0072 as past monitoring indicates that the site it not causing excessive dust to the surrounding environs.

b) Noise monitoring.

There are no permanent dwellings within 1km of the waste transfer station. The facility was observed not to be contributing significantly to the ambient noise environment beyond the site boundary. The facility is not a noise nuisance to neighboring premises. An analysis of the noise results in particular the LA90 indicates that the compliance noise limit is not exceeded at any location. The L90 ranged from 35 to 48 dB(A). This facility operates within the noise limit criteria set out in the waste licence.

No tones were observed or detected by the sound level meter at any location.

There were no issues with noise during 2014 and no complaints were received in relation to noise at the facility. The results over the years have shown that the facility caused no significant noise nuisance to neighbours.

The waste transfer station does not generate noise at night-time when the facility is closed.

It is Kerry County Council's intension to seek a technical amendment in relation to the noise monitoring requirement of Waste Licence W0072 as past monitoring indicates that the site it not causing excessive noise to the surrounding environs.

Location Reference	Date and Time	L_{Aeq} dB	L_{A10} dB	L_{A90} dB	Tones	Description of Noise Sources
N1 (facility entrance)	11:42-12:42	53	54	41	No	Cars and HGV's entering and exiting the facility was the main contributing noise source. HGVs passing location into quarry. The waste transfer station was not the main contributing noise source.
	12:12-12:42	51	53	42		
	12:42-13:12	44	48	37		
N3 (boundary location, rear of facility)	13:10-13:40	51	49	35	No	The tipping shed in operation was the main contributing noise source at this location.
	13:40-14:10	54	59	40		
	14:10-14:40	49	50	41		
N4 (boundary location, near lake)	13:12-13:42	46	48	39	No	The tipping shed in operation was the main contributing noise source at this location. Other contributing noise sources included customers using various wastes centres at the facility.
	13:42-14:12	47	49	40		
	14:12-14:42	50	52	42		
N5 (nearest noise sensitive receptor, north)	10:05-10:35	55	55	41	No	Local road traffic, birdsong and windborne noise were the main contributing noise sources at this location.
	10:37-11:07	56	55	42		
	11:15-11:45	54	53	43		
N6 (nearest noise sensitive receptor, south, Coolmore Wildlife Park)	10:00-10:30	59	61	45	No	Local road traffic, including HGV's, birdsong and windborne noise and a river were the main contributing noise sources at this location. Dogs barking almost continuously from nearby wildlife park. The waste transfer station was not the main contributing noise source.
	10:30-11:00	60	62	48		
	11:00-11:30	60	61	46		

c) Monitoring of surface water
The surface water monitoring results are attached in Appendix II.

SW4 still experienced slight contamination which has been consistently above background ammonia levels. However, ammonia levels at this location have reduced during the reporting period. As effluent from the transfer station is tankered away from site it is evident that this slight contamination is not due to transfer station activity. The source of the impact is from a large illegal dumping site adjacent to the monitoring point. This site was cleaned up in Q1 2015.

No significant impact however is noted in the main Woodford River channel (SW1, SW3A, SW6 and SW7).

d) Biological Monitoring.
Kerry County Council carried out a biological assessment of the Woodford River on 18th May, 2011. The results of the biological monitoring indicate high quality water status (Q4/5) both upstream and downstream of the waste transfer station with no evidence of any impact on the biological water quality of the Woodford River from the activities at Coolcaslagh Waste Transfer Station.

There were no issues or complaints in relation to the water quality of the Woodford River as a result of activities at the facility during 2014.

Kerry County Council will undertake an invertebrate assessment during the summer months of 2015.

e) Foul Water
The foul water emission results are attached in Appendix II. All the foul water from the facility has been transported off site to Killarney Wastewater Treatment Plant since February 2001. 438.88 tonnes of waste water was removed from the facility during 2014. This practice will continue for 2015.

f) Landfill gas
Landfill gas emission were not measured during the reporting period.

8.0 Resource and Energy Consumption Summary

The following is the energy consumption for Coolcaslagh Transfer Station for the reporting period.

8.1 Diesel

The diesel usage for Coolcaslagh Transfer Station for the reporting period 2014 was 827 litres this is a decrease of 275.24 litres on the previous reporting period. The increase is due to increase activity in the recycling area. The primary usage of diesel is for excavator on site and the oil burner in the steam washer.

8.2 Electricity

The electricity usage for the facility during the reporting period was approximately 7,140 kWh. This is a decrease of 3,736 kWh compared to 2013.

Year	Average Electricity Usage kWh/day
2014	20
2013	28
2011	47
2010	54
2009	60

The primary energy consumer on site is a 3 phase waste compactor. Power is also required for the office computer and lighting, storage heating, cardboard baler and public lighting on the site. Energy usage reduction on site is as a result of Killarney Refuse Service no longer using the transfer station to dispose of waste.

8.3 Water

Water supply to the site is via a connection to the mains water supply. Water usage for the facility during the reporting period was 65 m^3. Water is mainly used on site for site office facilities, power washing yards, transfer station apron and hopper. No surface water or ground water is abstracted.

9.0 Report on Development Works Undertaken during the Reporting Period

No development works were undertaken at the facility during the reporting period.

10.0 Proposed Development Works For Forthcoming Year

No development works are proposed at the facility for 2015.

11.0 Report Targets and Environmental Objectives and Targets for 2015.

Target Area	2015 - Objective	2015 – Expected Outcome to Indicate achievement of target
Odour Management	Continue to ensure that the waste facility does not cause a nuisance in terms of odour through good housekeeping practices on site	No odour complaints received due to onsite odour.
		No odour complaints received due to off site odour
Waste Storage Practices	Ensure good housekeeping on site to ensure that waste is stored corrected and collected in a timely fashion so not to cause nuisance to the surrounding areas and on site	No wind blown litter on site No overflowing bins on site Proper segregation of waste
Incident Prevention	Look at Fire Preventative and Emergency Response Procedure for the site	Revised procedures to be put in place mindful of EPA guidance document
Infrastructure integrity and drainage	Carry out integrity testing on site	Integrity testing carried out on site
Waste acceptance, Classification and records	Continue to record and document all waste types entering and leaving the site with monthly verifiable reports being produced	Monthly reports on waste streams produced and verified
Proposed Household Waste Regulations	Look at the proposed household waste regulations and implement the same on site in a timely manner	Draft Household Regs. implemented on site.

12.0 Summary of Procedures Developed by the Licensee

The following procedures were developed during the reporting period:

- Revised Operational Procedures for Facility Manager
- Revised Health & Safety Procedures

13.0 Reported Incidents and Complaints

No incidences or complaints were reported in relation to the operation of the facility during the reporting period.

14.0 Report on Financial Provision

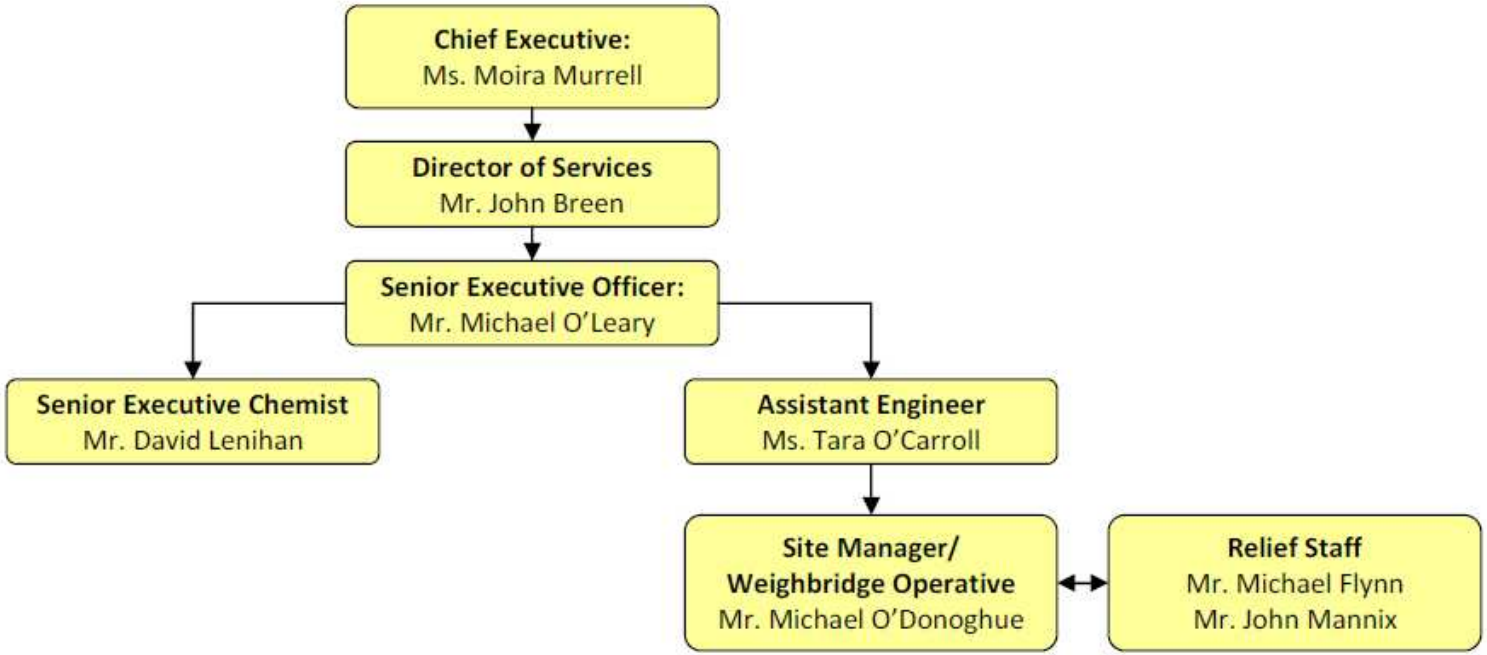
a) Statement of Costs for Waste Operations at Facility 2014

Accelem	Accelem (T)	Total Charge Euro
60030	Wages	33,713.11
60040	Salaries	5,052.14
60100	ER PRSI	6,884.28
60200	Overtime	20,184.78
60400	Sick Pay	134.15
60500	Annual Leave	5,936.14
60510	Bank Holiday Leave	960.08
60600	Travel/Subsistence	4,274.78
60700	Eating on site allowance	11.40
61990	Other Allowances	1,228.07
65500	Minor Contracts- Trade Services & other work	54,755.84
66500	Non-Capital Equip Purchase - Fire Services	50.00
68000	Non-Capital Equip Purchase - Office Equip/Fur	199.00
68500	Non-Capital Equip Purchase - Other	374.00
69200	Repairs & Maint - Plant	671.00
69260	Repairs & Maint - Other Equip	2.23
69400	Transfers from Machinery Yard	5,653.00
70000	Materials	293.11
70990	Issues from Stores	1,681.42
70991	Returns to Stores	-351.37
71000	Insurance	715.57
73400	Staff Travelling & Subsistence Expenses	3,649.89
76000	Communication Expenses	557.57
77100	Courier	1.99
77200	Security - Property	11.50
80000	Advertising	42.00
81000	Printing & Office Consumables	131.82
82100	Statutory Contributions to Other Bodies	5,325.48
85100	Rates & Other LA Charges	85.58
86000	Energy	2,301.24
	Total Waste Operational Costs	154,529.80

b) Statement of Costs for Recycling Operations at Facility

Accelem	Accelem(T)	Total Charge Euro
60030	Wages	11,832.90
60040	Salaries	5,052.14
60100	ER PRSI	2,754.11
60200	Overtime	6,538.31
60400	Sick Pay	134.15
60500	Annual Leave	1,896.01
60510	Bank Holiday Leave	932.60
60600	Travel/Subsistence	1,490.28
61990	Other Allowances	458.66
65500	Minor Contracts- Trade Services & other wo	3,827.09
66500	Non-Capital Equip Purchase - Fire Services	2.51
69200	Repairs & Maint - Plant	41.28
69260	Repairs & Maint - Other Equip	1.52
69400	Transfers from Machinery Yard	1,127.50
70000	Materials	958.44
70990	Issues from Stores	2,114.40
73400	Staff Travelling & Subsistence Expenses	1,976.58
76000	Communication Expenses	508.63
77100	Courier	5.10
80000	Advertising	42.00
81000	Printing & Office Consumables	13.00
82100	Statutory Contributions to Other Bodies	5,325.48
85100	Rates & Other LA Charges	85.61
86000	Energy	663.44
	Total Recycling Cost 2014	47,781.74

15.0 Management and Staffing Structure at Facility as of December 2014



16.0 Programme of Public Information

The following files are available for inspection on site by members of the public:

- AER of previous reporting years
- All correspondence with the Agency
- Surface Water Monitoring Results
- Incident/Complaints Register
- Tonnage of waste accepted on site
- Characterisation of waste accepted on site
- Operational Procedure Manual
- Waste Acceptance Procedure
- Information on Recycling Initiatives e.g. leaflets.
- Environmental Management System.

Appendix I - Waste Collected at Coolcaslagh Transfer Station and Recovered/Recycled offsite during reporting period

Coolcaslagh Transfer Station Residual Waste - Tonnage Period 01/01/14 to 31/12/2014

	Levied Waste								Non Levied Waste													
	KTC Refuse	Public Household & Commercial	* Non Weighed Waste Inclusive of Tickets	A/C Holders (Inclusive VAT)	A/C Holders (VAT Exempt)	KTC Internal Depts	KCC Internal Depts	Total Levied Waste	KCC Road Sweeping/Street Cleaning	KTC Road Sweeping/ Street Cleaning	Graveyard Waste	KCC Clean Ups / F'tipping	Clean Ups/ F'tipping Not Charged	KUDC Clean Ups / F'tipping	Total Non - levied	Total of Waste Over Weighbridge Excluding Ticket Waste	Total Waste Out of TS	No. Loads Out of Ts	Waste In @ NKL	No Loads Into NKL	Variance	Average Variance Per Load
January 2014	**120.3**	**48.18**	**61.30**	**1.94**	**0**	**0**	**0.06**	**231.78**	**0**	**14.96**	**1.86**	**0**	**8.64**	**0.54**	**26**	**196.48**	**257.62**	**19**	**257.78**	**19**	**0.16**	**0.01**
January 2013	94.04	59.3	55	2.12	0	0.6	0	211.06	0	10.86	0	0.3	5.64	0.84	17.64	173.7	228.94	18	228.7	18	-0.24	-0.01
February 2014	**77.78**	**43.64**	**40.42**	**0.94**	**0**	**0**	**0.26**	**163.04**	**0**	**11.16**	**0**	**0**	**4.84**	**0.8**	**16.8**	**139.42**	**180**	**13**	**179.84**	**13**	**-0.16**	**-0.01**
February 2013	72.64	53.32	19.00	2.00	0.00	0.56	0.82	148.34	0	9.3	1.74	0	4.82	0	15.86	145.2	163.54	13	164.2	13	0.66	0.05
March 2014	**0.00**	**53.90**	**47.46**	**1.64**	**0.00**	**1.54**	**0.48**	**105.02**	**0**	**1.6**	**1.1**	**0.26**	**13.2**	**0**	**16.16**	**73.72**	**121.28**	**9**	**121.18**	**9**	**-0.1**	**-0.01**
March 2013	92.10	56.88	48.74	2.06	0.00	0.74	0.78	201.30	0	11.92	1.40	0.02	5.32	0.28	18.94	171.50	220.92	17	220.24	17	-0.68	-0.04
April 2014	**0**	**46.357**	**60.46**	**2.66**	**0**	**0**	**0**	**109.48**	**0**	**0**	**1.18**	**0**	**9.92**	**0**	**11.1**	**60.12**	**120.78**	**9**	**120.58**	**9**	**-0.20**	**-0.02**
April 2013	86.66	51.66	46.72	2.84	0	0.7	2.06	190.64	0	10.8	0	0	7.64	1.48	19.92	163.84	211	16	210.56	16	-0.44	-0.03
May 2014	**0**	**47.02**	**45.33**	**2.24**	**0**	**0.10**	**0.06**	**94.75**	**0**	**0**	**1.48**	**0**	**9.01**	**0**	**10.49**	**59.91**	**105.22**	**8**	**105.24**	**8**	**0.02**	**0.00**
May 2013	72.44	62.04	48.4	2.86	0	0	0.44	186.18	0	11.28	1.5	0	5.92	1.62	20.32	158.10	206.74	16	206.5	16	-0.24	-0.02
June 2014	**0**	**52.62**	**68.16**	**5.82**	**0**	**0**	**3.76**	**130.36**	**0**	**0**	**1.7**	**0.12**	**6.16**	**0**	**7.98**	**70.18**	**138.48**	**10**	**138.34**	**10**	**-0.14**	**-0.01**
June 2013	66.44	52.98	32.02	2.82	0	0	0.42	154.68	0	10.56	3.82	0	3.74	0.14	18.26	140.92	186.22	14	172.94	13	-13.28	-1.02
1-11 July 2014	0	14.74	19.22	1.5	0	0	1.24	36.70	0	0	1.48	0	2.66	0	4.14	21.62	40.84	3	40.84	3	0.00	0.00
12-31 July 2014	0	29.64	36.18	2.74	0	0	0	68.56	0	0	1.36	0.16	3.18	0	4.7	37.08	73.26	6	0.00	0	-73.26	0.00
Total July 2014	**0**	**44.38**	**55.4**	**4.24**	**0**	**0**	**1.24**	**105.26**	**0**	**0**	**2.84**	**0.16**	**5.84**	**0**	**8.84**	**58.7**	**114.1**	**9**	**40.84**	**3**		
July 2013	80.12	55.80	49.46	3.88	0	0.14	0.88	190.28	0	12	3.12	0.3	5.34	1.54	22.3	163.12	200.1	16	212.58	17	12.48	0.73
August 2014	**0**	**50.82**	**61.06**	**3.6**	**0**	**0**	**1.24**	**116.72**	**0**	**0.4**	**0**	**0**	**2.84**	**0**	**3.24**	**58.90**	**119.96**	**9**				
August 2013	88.88	57	65.6	4.22	0	0	0.12	215.82	0	7.58	1.24	0.3	5.22	0.68	15.02	165.24	231.58	17	230.84	17	-0.74	-0.04
September 2014	**0**	**42.66**	**60.06**	**3.04**	**0**	**0**	**0.08**	**105.84**	**0**	**0.56**	**1.26**	**0.22**	**4.46**	**0**	**6.50**	**52.28**	**112.34**	**9**				
September 2013	67.38	50.56	43.18	4.2	0	0	0.08	165.40	0	10.74	1.22	0.46	6.1	0.68	19.20	141.42	184.96	14	184.6	14	-0.36	-0.03
October 2014	**0**	**48.84**	**58.44**	**2.08**	**0**	**0**	**0**	**109.36**	**0**	**0**	**0**	**0.12**	**2.6**	**0**	**2.72**	**53.64**	**112.08**	**9**				
October 2013	77.96	58.44	45.78	2.08	0	0	1.92	186.18	0	14.48	0	0.34	4.6	0.58	20.00	160.40	206.61	16	206.18	16	-0.43	-0.03
November 2014	**0**	**48.36**	**35.32**	**1.28**	**0**	**0**	**0.2**	**85.16**	**5.6**	**0**	**0**	**0**	**2.1**	**0**	**7.70**	**57.54**	**92.86**	**7**				
November 2013	70.18	44.92	32.6	1.56	0	0	0	149.26	0	10.08	1.5	0	5.64	1.7	18.92	135.58	168.3	13	168.18	13	-0.12	-0.01
December 2014	**0**	**49.94**	**70.24**	**2.52**	**0**	**0**	**0**	**122.70**	**0**	**2.02**	**1.52**	**0.28**	**2.92**	**0**	**6.74**	**59.20**	**129.44**	**9**				
December 2013	88.34	48.64	47.8	4.04	0	0	0.58	189.40	0	16.7	0	0.08	8.44	0.46	25.68	167.28	215.14	16	215.08	16	-0.06	0.00
Total Tonnage 2014	**198.08**	**576.717**	**663.65**	**32.00**	**0.00**	**1.64**	**7.38**	**1479.47**	**5.60**	**30.70**	**12.94**	**1.16**	**72.53**	**1.34**	**124.27**	**940.09**	**1604.16**	**120**	**963.80**	**71**	**-0.42**	
Total Tonnage 2013	**957.18**	**651.54**	**534.30**	**34.68**	**0.00**	**2.74**	**8.10**	**2188.54**	**0.00**	**136.30**	**15.54**	**1.80**	**68.42**	**10.00**	**232.06**	**1886.30**	**2424.05**	**186**	**2420.60**	**186**	**-3.45**	
Grand Total												**124.27**				**Overall Total Average Variance Per Load 1st Jan - 11th July 2014**			**-0.01**				

Material type	Suggested EWC codes	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Mixed residual waste (Trans Waste out of facility)	20 03 01	257.78	179.84	121.18	120.58	105.24	138.34	114.10	119.96	112.34	112.08	92.86	129.44	1,603.74
Organic waste (food and garden)														0.00
food (compost waste Milltown TS)	*20 01 08*													0.00
garden	*20 02 01*													0.00
Mixed dry recyclables (Ecosence Bags)	15 01 06	0.00	2.96	0.00	0.00	2.06	0.00	1.58	1.42	0.00	1.60	1.44	1.50	12.56
Cardboard, newspaper and other paper														0.00
cardboard packaging	*15 01 01*	16.36	0.00	13.888	0.00	14.56	0.00	16.20	7.98	5.70	6.02	8.68	5.84	95.23
cardboard non-packaging	*20 01 01*													0.00
paper packaging	*15 01 01*													0.00
paper non-packaging	*20 01 01*													0.00
newspaper and magazines	*20 01 01*	16.88	10.40	11.50	12.00	16.44	13.02	19.02	12.36	12.86	14.52	12.78	14.58	166.36
Glass														0.00
glass packaging (bottles)	*15 01 07*	7.8410	5.5260	8.3380	6.6940	5.9220	8.4570	7.8030	7.3570	8.6380	6.0450	7.6520	10.8230	91.0960
glass non-packaging (flat glass)	*20 01 02*													0.0000
Metals														0.0000
aluminium cans (packaging)	*15 01 04*	0.2970	0.2270	0.3430	0.2880	0.1810	0.3000	0.2950	0.2960	0.2640	0.2470	0.2500	0.3070	3.2950
steel cans (packaging)	*15 01 04*	0.7670	0.7470	1.1420	0.7890	0.5940	1.0030	0.8020	1.2400	0.8290	0.7870	0.8160	1.0560	10.5720
other metals (scrap metals)	*20 01 40*	3.14	2.28	4.44	6.04	4.26	3.42	6.64	2.90	4.76	2.42	2.42	4.54	47.26
Plastic														0.00
plastic packaging (bottles)	*15 01 02*	5.32	4.42	4.98	4.04	5.10	4.60	5.24	6.36	4.00	6.48	6.10	6.00	62.64
plastic non-packaging	*20 01 39*													0.00
polystyrene														0.00
Composite packaging (e.g. tetrapaks)	*15 01 05*													0.00
Textiles														0.00
textiles, packaging	15 01 09													0.00
textiles, non-packaging (clothes)	20 01 11		0.14						0.29					0.43
Wood														0.00
wood packaging	15 01 03													0.00
wood non-packaging	20 01 38													0.00
mixed, uncontaminated wood packaging and non-packaging (collected at An Daingean)	15 01 03; 20 01 38													0.00
wood, treated, hazardous	20 01 37*													0.00
Batteries														0.00
lead acid batteries and accumulators (Car Batteries)														0.00
Ni-Cd batteries and accumulators	20 01 34	0.000	0.661	0.000	0.469	0.000	0.000	0.000	0.675	0.000	0.000	0.000	0.610	2.415
Other (e.g. alkaline) batteries and accumulators (Small Batteries)														0.00
														0.00
Household Hazardous Waste														
Waste mineral oils (Engine Oil)	13 07 03	0.784	0.00	0.00	0.00	0.00	0.00	0.00	1.056	0.00	0.00	0.00		1.840
Oil filters (vehicles)	13 08 99													0.00
Oil containers (mineral oil) - plastic + metal	13 08 99													0.00
Waste cooking or vegetable oils	20 01 25													0.00
Waste paint and varnish (including containers)	20 01 27													0.00
Aerosols	14 06 01													0.00
WEEE collected by compliance schemes	*WEEE Ireland and ERP etc*													0.00
CRT	20 01 36	5.134	3.235	3.510	2.396	3.782	3.326	5.304	1.598	4.206	1.672	2.538	3.343	40.044
SDA - Small Domestic Appliances	20 01 36	4.608	3.637	3.231	2.358	3.429	2.798	2.981	3.038	3.557	1.283	3.627	4.466	39.013
LDA - Large Domestic Appliances	20 01 36	4.455	0.000	5.381	4.026	4.078	0.000	7.900	0.000	5.972	1.497	3.887	0.000	37.196
Cold	20 01 36	2.369	0.000	2.004	1.486	1.753	0.000	2.915	0.000	1.789	0.798	3.005	0.000	16.119
														0.00
														0.00
WEEE taken off-site by charities (e.g. mobile phones)	20 01 35													0.00
Foul Water from Septic Tank Coolcaslagh CA	19 07 03	84.14	88.82	20.64	40.22	23.62	5.96	10.76	0.00	29.86	61.30	49.02	24.54	438.88
Flourscent Tubes	20 01 11	0.0920	0.0200		0.0930			0.1290					0.0660	0.4000
<other categories not included above>	<enter EWC code>													
<other categories not included above>	<enter EWC code>													

Appendix II - Results of Foul and Surface Water Monitoring

	Project	Location	Location Easting	Location Northing	Sample Reference	Sample Date	Sample Tir	Comments	Parameter	Ammonium	pH	BOD (5day	Conductiv	Chemical	Chloride	Dissolved	Suspended	Temperatu	Faecal coli	Total Coli	Appearanc	Odour
										NH4	Physchem	O2	Physchem	O2	Cl	O2	Physchem	Physchem	FC marine			Physchem
									Max.	Varies	Varies	--	Varies	--	Varies	Varies	--	--	1	1	--	--
									Target	--	--	--	--	--	--	--	--	--	--	--	--	--
									Min.	--	Varies	--	--	--	--	Varies	--	--	--	--	--	--
										mg/l	pH units	mg/l	µS/cm	mg/l	mg/l	mg/l	mg/l	Degrees C	no./100mls	no./100mls	Descriptive	Descriptive
	Coolcaslagh	Sw1A (New Site)	102224	91786	2014/0327	29-Jan-14	12:11			0.04	6.7	< 1	134	16	30.8	11.2	2	6.7	***1396***	***1785***	Clear	ND
	Coolcaslagh	Sw1A (New Site)	102224	91786	2014/1313	01-Apr-14	14:31			0.04	7.1	< 1	125	25	24.1	10.9	< 1	10.3			ghtly colour	N.D

Sampling Point	Sample No.	Sampled Date	Sampled Time	Sampled By	Analysis	003_ODOUR	005A_TEMP_FIELD	006_PH	007A_CONDUCTIVITY20	013C_BOD	014_COD	022K_AMMONIA	028K_CHLORIDE	036_DO_MG_L	037_SUSPENDED SOLIDS	082_VIS_INSPECTION
					Parameter	Odour	Temperature	pH	Conductivity	B.O.D.	C.O.D.	Ammonia	Chloride	Dissolved Oxygen	Suspended Solids	Visual Inspection
					Reported Name											
					Min. Value			6.0				0.0				
					Max Value			9.0				0.0				
					Units	*NONE*	*DEG_C*	*PH*	*USCM*	*BOD*	*MGL*	*MGLN*	*MGL*	*MGL*	*MGL*	*NONE*
Coolcaslagh Sw1A (New Site)	2014/2958	23-Jul-14	12:20	NOC		Normal	18.6	7.5	138	1.2	32	0.04	19.3	9.1	7	Clear
Coolcaslagh Sw1A (New Site)	2014/2967	23-Jul-14	15:15	NOC		Normal	18.6	7.3	139	1.3	26	0.06	19.4	9.1	6	Clear
Coolcaslagh Sw1A (New Site)	2014/4481	05-Nov-14	11:40	MOS		Normal	9.3	6.9	115	1.0	33	0.02	20.7	10.6	2	Clear
Coolcaslagh Sw1A (New Site)	2015/0350	28-Jan-15	10:43	MOS		Normal	5.6	6.9	113	1.1	<10	0.08	20.5	11.6	6	Clear

							Parameter	Ammonium	pH	BOD (5day	Conductivi	Chemical	Chloride	Dissolved	Suspended	Temperatu	Faecal coli	Total Colif	Appearanc	Odour
								NH4	Physchem	O2	Physchem	O2	Cl	O2	Physchem	Physchem	FC marine			Physchem
							Max.	Varies	Varies	--	Varies	--	Varies	Varies	--	--	1	1	--	--
							Target	--	--	--	--	--	--	--	--	--	--	--	--	--
							Min.	--	Varies	--	--	--	--	Varies	--	--	--	--	--	--
	Project	Location	Location Easting	Location Northing	Sample Reference	Sample Date	Sample Ti	Comment	mg/l	pH units	mg/l	µS/cm	mg/l	mg/l	mg/l	mg/l	Degrees C	no./100mls	no./100mls	Descriptive	Descriptive
	Coolcaslagh	Sw3	101859.3	91642.2	2014/0328	29-Jan-14	11:35		0.07	6.8	< 1	144	12	31.8	11.2	2	6.2	*663*	*1842*	Clear	ND
	Coolcaslagh	Sw3A	101840.8	91649	2014/1314	01-Apr-14	14:46		0.05	7.2	< 1	130	32	25	10.8	1	10			ghtly colour	N.D

Sampling Point	Sample No.	Sampled Date	Sampled Time	Sampled By	Analysis	003_ODOUR	005A_TEMP_FIELD	006_PH	007A_CONDUCTIVITY20	013C_BOD	014_COD	022K_AMMONIA	028K_CHLORIDE	036_DO_MG_L	037_SUSPENDED SOLIDS	082_VIS_INSPECTION
					Parameter	Odour	Temperature	pH	Conductivity	B.O.D.	C.O.D.	Ammonia	Chloride	Dissolved Oxygen	Suspended Solids	Visual Inspection
					Reported Name											
					Min. Value			6.0				0.0				
					Max Value			9.0				0.0				
					Units	*NONE*	*DEG_C*	*PH*	*USCM*	*BOD*	*MGL*	*MGLN*	*MGL*	*MGL*	*MGL*	*NONE*
Coolcaslagh Sw3A	2014/4482	05-Nov-14	12:00	MOS		Normal	9.0	6.8	119	1.3	36	0.03	21.2	10.7	2	Clear

							Parameter	Ammonium	pH	BOD (5day	Conductivi	Chemical C	Chloride	Dissolved	Suspended	Temperatu	Faecal coli	Total Colif	Appearanc	Odour
								NH4	Physchem	O2	Physchem	O2	Cl	O2	Physchem	Physchem	FC marine			Physchem
							Max.	Varies	Varies	--	Varies	--	Varies	Varies	--	--	1	1	--	--
							Target	--	--	--	--	--	--	--	--	--	--	--	--	--
							Min.	--	Varies	--	--	--	--	Varies	--	--	--	--	--	--
	Project	Location	Location Easting	Location Northing	Samples Reference	Sample Date	Sample Ti	Comment	mg/l	pH units	mg/l	µS/cm	mg/l	mg/l	mg/l	mg/l	Degrees C	no./100mls	no./100mls	Descriptive	Descriptive
	Coolcaslagh	SW4A @ manhole	101927	91604	2014/0329	29-Jan-14	11:15		0.64	7.1	< 1	210	21	41.4	11.3	23	6	*61*	*743*	Cloudy	ND
	Coolcaslagh	SW4A @ manhole	101927	91604	2014/1315	01-Apr-14	14:30		12.24	8	1.4	520	68	33.6	10.6	6	8.6			ghtly colour	N.D

Sampling Point	Sample No.	Sampled Date	Sampled Time	Sampled By	Analysis	003_ODOUR	005A_TEMP_FIELD	006_PH	007A_CONDUCTIVITY20	013C_BOD	014_COD	022K_AMMONIA	028K_CHLORIDE	036_DO_MG_L	037_SUSPENDED SOLIDS	082_VIS_INSPECTION
					Parameter	Odour	Temperature	pH	Conductivity	B.O.D.	C.O.D.	Ammonia	Chloride	Dissolved Oxygen	Suspended Solids	Visual Inspection
					Reported Name											
					Min. Value			6.0				0.0				
					Max Value			9.0				0.0				
					Units	*NONE*	*DEG_C*	*PH*	*USCM*	*BOD*	*MGL*	*MGLN*	*MGL*	*MGL*	*MGL*	*NONE*
Coolcaslagh Sw4	2015/0352	28-Jan-15	10:35	MOS		Normal	7.5	7.1	406	1.1	<10	0.87	71.6	10.6	5	Clear

							Parameter	Ammonium	pH	BOD (5day	Conductivi	Chemical	Chloride	Dissolved	Suspended	Temperatu	Faecal coli	Total Colif	Appearanc	Odour
								NH4	Physchem	O2	Physchem	O2	Cl	O2	Physchem	Physchem	FC marine			Physchem
							Max.	Varies	Varies	--	Varies	--	Varies	Varies	--	--	1	1	--	--
							Target	--	--	--	--	--	--	--	--	--	--	--	--	--
							Min.	--	Varies	--	--	--	--	Varies	--	--	--	--	--	--
Project	Location	Location Easting	Location Northing	Sample Reference	Sample Date	Sample Ti	Comment	mg/l	pH units	mg/l	µS/cm	mg/l	mg/l	mg/l	mg/l	Degrees C	no./100mls	no./100mls	Descriptive	Descriptive
Coolcaslagh	Sw5	101794.7	91628.4	2014/0330	29-Jan-14	11:40		0.05	7.3	< 1	140	16	30.8	11.3	1	6.3	***1455***	***2851***	Clear	ND
Coolcaslagh	Sw5	101794.7	91628.4	2014/1316	01-Apr-14	14:50		0.15	7.4	< 1	130	28	25.4	10.8	2	9.9			ghtly colour	N.D

Sampling Point	Sample No.	Sampled Date	Sampled Time	Sampled By	Analysis	003_ODOUR	005A_TEMP_FIELD	006_PH	007A_CONDUCTIVITY20	013C_BOD	014_COD	022K_AMMONIA	028K_CHLORIDE	036_DO_MG_L	037_SUSPENDED SOLIDS	082_VIS_INSPECTION
					Parameter	Odour	Temperature	pH	Conductivity	B.O.D.	C.O.D.	Ammonia	Chloride	Dissolved Oxygen	Suspended Solids	Visual Inspection
					Reported Name											
					Min. Value			6.0				0.0				
					Max Value			9.0				0.0				
					Units	*NONE*	*DEG_C*	*PH*	*USCM*	*BOD*	*MGL*	*MGLN*	*MGL*	*MGL*	*MGL*	*NONE*
Coolcaslagh Sw5	2014/4484	05-Nov-14	12:08	MOS		Normal	9.1	6.9	119	1.1	34	0.03	20.8	10.7	2	Clear
Coolcaslagh Sw5	2015/0353	28-Jan-15	11:03	MOS		Normal	6.0	7.2	119	1.4	<10	0.04	20.9	11.3	5	Clear

							Parameter	Ammonium	pH	BOD (5day	Conductivi	Chemical O	Chloride *	Dissolved O	Suspended	Temperatu	Faecal coli	Total Colif	Appearanc	Odour
								NH4	Physchem	O2	Physchem	O2	Cl	O2	Physchem	Physchem	FC marine			Physchem
							Max.	Varies	Varies	--	Varies	--	Varies	Varies	--	--	1	1	--	--
							Target	--	--	--	--	--	--	--	--	--	--	--	--	--
							Min.	--	Varies	--	--	--	--	Varies	--	--	--	--	--	--
	Project	Location	Location Easting	Location Northing	Sample Reference	Sample Date	Sample Ti	Comments	mg/l	pH units	mg/l	µS/cm	mg/l	mg/l	mg/l	mg/l	Degrees C	no./100mls	no./100mls	Descriptive	Descriptive
	Coolcaslagh	Sw6	100842.9	91303.3	2014/0331	29-Jan-14	12:25		0.02	7	< 1	136	11	26.8	10.5	2	6.3	***41***	***576***	Clear	ND
	Coolcaslagh	Sw6	100842.9	91303.3	2014/1317	01-Apr-14	14:10		0.07	7.6	< 1	141	30	24.6	11.1	< 1	9.2			Clear	N.D

Sampling Point	Sample No.	Sampled Date	Sampled Time	Sampled By	Analysis	003_ODOUR	005A_TEMP_FIELD	006_PH	007A_CONDUCTIVITY20	013C_BOD	014_COD	022K_AMMONIA	028K_CHLORIDE	036_DO_MG_L	037_SUSPENDED SOLIDS	082_VIS_INSPECTION
					Parameter	Odour	Temperature	pH	Conductivity	B.O.D.	C.O.D.	Ammonia	Chloride	Dissolved Oxygen	Suspended Solids	Visual Inspection
					Reported Name											
					Min. Value			6.0				0.0				
					Max Value			9.0				0.0				
					Units	*NONE*	*DEG_C*	*PH*	*USCM*	*BOD*	*MGL*	*MGLN*	*MGL*	*MGL*	*MGL*	*NONE*
Coolcaslagh Sw6	2014/2961	23-Jul-14	11:50	NOC		Normal	19.0	7.7	156	<1.0	20	0.04	20.0	9.5	1	Clear
Coolcaslagh Sw6	2014/4485	05-Nov-14	11:20	MOS		Normal	8.8	6.9	121	<1.0	70	0.03	20.2	11.2	2	Clear
Coolcaslagh Sw6	2015/0354	28-Jan-15	10:10	MOS		Normal	6.7	7.2	122	1.0	<10	0.06	20.5	11.7	5	Clear
Coolcaslagh Sw6	2015/0356QA	28-Jan-15	10:10	MOS		Normal	6.7	7.3	123	<1.0	<10	0.06	20.0	11.7	3	Clear

							Parameter	Ammonium	pH	BOD (5day	Conductiv	Chemical	Chloride	Dissolved	Suspended	Temperatu	Faecal coli	Total Colif	Appearanc	Odour
								NH4	Physchem	O2	Physchem	O2	Cl	O2	Physchem	Physchem	FC marine			Physchem
							Max.	Varies	Varies	--	Varies	--	Varies	Varies	--	--	1	1	--	--
							Target	--	--	--	--	--	--	--	--	--	--	--	--	--
							Min.	--	Varies	--	--	--	--	Varies	--	--	--	--	--	--
	Project	Location	Location Easting	Location Northing	Sample Reference	Sample Date	Sample Ti	Comment	mg/l	pH units	mg/l	µS/cm	mg/l	mg/l	mg/l	mg/l	Degrees C	no./100mls	no./100mls	Descriptive	Descriptive
	Coolcaslagh	Sw7	99256.5	90467.4	2014/0332	29-Jan-14	10:40		0.04	7.3	< 1	149	15	30.7	11.4	2	6.9	***759***	***1541***	Clear	ND
	Coolcaslagh	Sw7	99256.5	90467.4	2014/1319	01-Apr-14	15:50		0.07	7.6	< 1	145	28	24.3	11	< 1	9.6			ghtly colour	Earthy
	Coolcaslagh	Sw7	99256.5	90467.4	2014/1318	01-Apr-14	15:50		0.06	7.5	< 1	145	24	25	11	< 1	9.6			ghtly colour	Earthy

Sampling Point	Sample No.	Sampled Date	Sampled Time	Sampled By		003_ODOUR	005A_TEMP_FIELD	006_PH	007A_CONDUCTIVITY20	013C_BOD	014_COD	022K_AMMONIA	028K_CHLORIDE	036_DO_MG_L	037_SUSPENDED SOLIDS	082_VIS_INSPECTION
Analysis						003_ODOUR	005A_TEMP_FIELD	006_PH	007A_CONDUCTIVITY20	013C_BOD	014_COD	022K_AMMONIA	028K_CHLORIDE	036_DO_MG_L	037_SUSPENDED SOLIDS	082_VIS_INSPECTION
Parameter						Odour	Temperature	pH	Conductivity	B.O.D.	C.O.D.	Ammonia	Chloride	Dissolved Oxygen	Suspended Solids	Visual Inspection
Reported Name																
Min. Value								6.0				0.0				
Max Value								9.0				0.0				
Units						*NONE*	*DEG_C*	*PH*	*USCM*	*BOD*	*MGL*	*MGLN*	*MGL*	*MGL*	*MGL*	*NONE*
Coolcaslagh Sw7	2014/2962	23-Jul-14	11:20	NOC		Normal	18.6	6.4	163	1.4	23	0.06	20.5	9.3	26	Clear
Coolcaslagh Sw7	2014/4486	05-Nov-14	11:10	MOS		Normal	9.1	6.8	124	1.0	33	0.06	20.4	11.2	1	Clear
Coolcaslagh Sw7	2015/0355	28-Jan-15	9:56	MOS		Normal	7.3	7.4	128	<1.0	<10	0.02	20.5	11.5	5	Clear

							Parameter	Ammonium	pH	BOD (5day	Conductivi	Chemical O	Chloride	Dissolved O	Suspended	Temperatu	Faecal coli	Total Colifo	Appearanc	Odour
								NH4	Physchem	O2	Physchem	O2	Cl	O2	Physchem	Physchem	FC marine			Physchem
							Max	Varies	Varies	--	Varies	--	Varies	Varies	--	--	1	1	--	--
							Target	--	--	--	--	--	--	--	--	--	--	--	--	--
							Min.	--	Varies	--	--	--	--	Varies	--	--	--	--	--	--
	Project	Location	Location Easting	Location Northing	Sample Reference	Sample Date	Sample Ti	Comments	mg/l	pH units	mg/l	µS/cm	mg/l	mg/l	mg/l	mg/l	Degrees C	no./100mls	no./100mls	Descriptive	Descriptive
	Coolcaslagh	FE1	101931.1	91545.6	2014/0333	29-Jan-14	11:05		3.21	6.4	86	395	233			36	6				Septic
	Coolcaslagh	FE1	101931.1	91545.6	2014/1320	01-Apr-14	15:10		9.44	6.8	128.1	2010	314			55	8			Cloudy	ent Sewage

						Parameter	Odour	Temperature	pH	Conductivity	B.O.D.	B.O.D.	C.O.D.	Ammonia	Total OFG	Dissolved Oxygen	Suspended Solids	Visual Inspection
						Min. Value			6.0									
						Max Value			9.0									
						Units	*NONE*	*DEG_C*	*PH*	*USCM*	*BOD*	*BOD*	*MGL*	*MGLN*	*MGL*	*MGL*	*MGL*	*NONE*
Coolcaslagh	Coolcaslagh FE1	2014/2963	23-Jul-14	13:15	NOC		Normal	17.0	6.8	3500	493		530	34.59	2.9		148	Black colour
	Coolcaslagh FE1	2014/4487	05-Nov-14	12:28	MOS		Leachate	11.0	6.6	1492	188		485	12.07	10.8	<2.0	182	Cloudy/Grey
	Coolcaslagh FE1	2015/0357	28-Jan-15	10:20	MOS		Leachate	6.5	6.7	859	71		176	5.25			41	Clear

Appendix III – Results of Dust Monitoring

southern scientific services ltd.

OUR REF: RP 2013 | KERRY COUNTY COUNCIL – COOLCASLAGH | 01 PAGE 01 | 01

ANALYSIS REPORT

CUSTOMER:	KERRY COUNTY COUNCIL	SAMPLE TYPE:	DUST
ADDRESS:	Environment Section, Main Street, Tralee, County Kerry	CONDITION OF SAMPLE ON RECEIPT:	Satisfactory
		DATE SAMPLED:	30 Days
REPORT TO:	TARA O CARROLL	DATE RECEIVED:	01 November 2013
SAMPLED BY:	John Mannix, Kerry County Council	DATE ANALYSED:	06 – 19 November 2013
SAMPLING PT:	Coolcaslagh Transfer Station	DATE REPORTED:	20 November 2013
ORDER NO:	400 327 048	WORK NO.:	29254 C | 42P-101 |

TABLE OF RESULTS

METHOD:	LAB REF:	YOUR REF:	TOTAL PARTICULATES $mg/m^3/day$	INORGANIC PARTICULATES $mg/m^3/day$
SCP 039	C13-Nov 007	Station 1	113	79
SCP 039	C13-Nov 008	Station 2	166	109
SCP 039	C13-Nov 009	Station 3	134	76

Karen Lavery
Chemistry Laboratory

- The results relate only to the items tested.
- The analysis report shall not be reproduced except in full without written approval of the laboratory.

(registered office)
dunrine | killarney | county kerry | ireland | telephone +353 (0)64 6633922 | fax +353 (0)64 6639022
web site www.southernscientificireland.com | e-mail info@southernscientificireland.com

directors: K. Murphy, M. Murphy & C. Murphy
registered in ireland no 323196 | vat reg no IE 6343196 M

Appendix IV – Results of Noise Monitoring

Malachy Walsh and Partners
Engineering and Environmental Consultants

Noise Survey 2014

Killarney Waste Transfer Station

ISSUE FORM	
Project number	16490
Document number	6004
Document revision	A
Document title	Noise Survey
Document status	Draft
Document prepared by	Peter Barry
Document checked by	MR (MWP) / 2015-02-16

Table of contents

List of appendices

1 INTRODUCTION

Kerry County Council operates a waste transfer station in Coolcaslagh, near Killarney. The facility operates within the conditions set out in the waster licence register number W072-01. Under the terms of this licence the facility is required to carry out an annual environmental noise survey. The results of this survey are described below.

2 METHODOLOGY

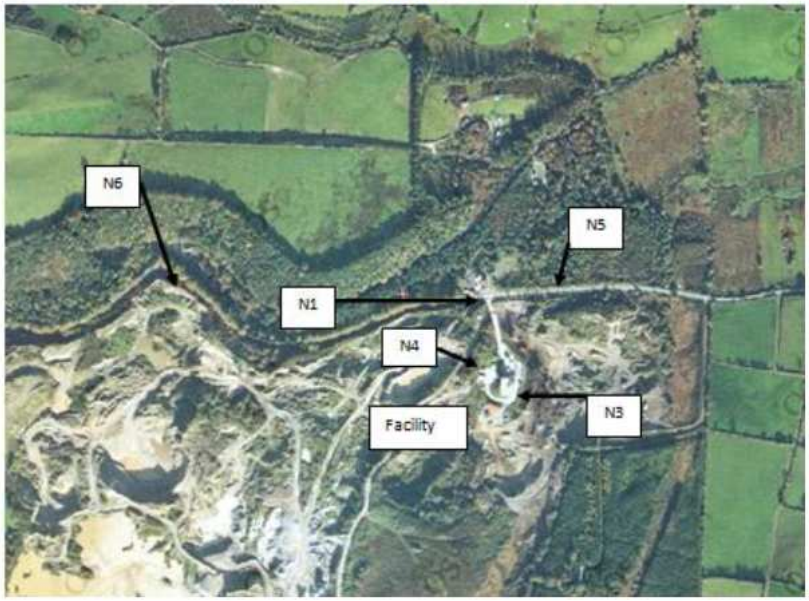
2.1 MONITORING PERIODS

The survey was carried out in accordance with the EPA guidance document, EPA guidance note 4- Guidance Note for Noise: Licence Applications, Surveys and Assessments in relation to Scheduled Activities. In accordance with the guidance note the noise surveys were carried out over three monitoring periods during the normal daytime operating times. Monitoring was undertaken for 30 minutes at each location. Noise monitoring was undertaken by Peter Barry (AMIOA) of Malachy Walsh and Partners on the 6th January 2015.

2.2 MONITORING LOCATIONS

Monitoring was undertaken at locations N1, N2, N3, N4 and N5). The locations are shown on Figure 1.

Figure 1: NOISE MONITORING LOCATIONS



2.2.1 Photographs of Noise Monitoring Locations

Location N1	Location N3
	
Location N4	**Location N5**
	
Location N6	
	

2.3 SURVEY EQUIPMENT

The measurements were made using a Bruel & Kjaer type 2250 Light and a Larson Davis 820 Logging integrating Sound Level Meter. These are Type 1 instruments in accordance with IEC 651 regulations. The Time Weighting used was Fast and the Frequency Weighting was A-weighted as per IEC 651. The sound level meters (SLM) were mounted on a tripod at 1.5m above ground level and at least 2m away from any sound reflecting objects. A windshield was placed on the microphone to reduce any wind interference during measurements.

Factory calibration certificates for the noise level meter and acoustic calibrator, detailing equipment serial numbers, calibration traceability and re-calibration dates are attached as Appendix A.

2.4 MEASUREMENT PARAMETERS

In order to be able to interpret the noise levels correctly several parameters were measured. These include the;

- L_{Aeq} Time-averaged A weighted noise level.
- L_{A90} Noise level exceeded for 90 % of measurement period (steady underlying noise level).
- L_{A10} Noise level exceeded for 10 % of measurement period.

A subjective analysis for the presence of tones and impulsive noise was also undertaken at each location.

2.5 METEOROLOGICAL CONDITIONS

Meteorological conditions were noted as dry, cold with light winds not exceeding 5 meters per second (ms^{-1}). It is recommended that outdoor noise monitoring is not undertaken in adverse weather conditions as the wind or rain can elevate the readings. Ideally there should be no rain and wind speeds should generally not exceed 5 ms^{-1}.

3 NOISE SOURCES

The main noise sources at this facility include:

- A tipping shed where costumers tip rubbish from cars and trailers. The rubbish is deposited into a compaction area and is compacted and a container filled for removal off site. This tipping shed has a motor which operates the compactor. The tipping shed is not in continuous operation, rather as needed.
- Customers vehicles entering and existing the facility
- Customers using the various recycling and waste skips and areas.

4 RESULTS

Table 1. Noise Monitoring Results

Location Reference	Date and Time	L_{Aeq} dB	L_{A10} dB	L_{A90} dB	Tones	Description of Noise Sources
N1 (facility entrance)	11:42-12:42	53	54	41	No	Cars and HGV's entering and exiting the facility was the main contributing noise source. HGVs passing location into quarry. The waste transfer station was not the main contributing noise source.
	12:12-12:42	51	53	42		
	12:42-13:12	44	48	37		
N3 (boundary location, rear of facility)	13:10-13:40	51	49	35	No	The tipping shed in operation was the main contributing noise source at this location.
	13:40-14:10	54	59	40		
	14:10-14:40	49	50	41		
N4 (boundary location, near lake)	13:12-13:42	46	48	39	No	The tipping shed in operation was the main contributing noise source at this location. Other contributing noise sources included customers using various wastes centres at the facility.
	13:42-14:12	47	49	40		
	14:12-14:42	50	52	42		
N5 (nearest noise sensitive receptor, north)	10:05-10:35	55	55	41	No	Local road traffic, birdsong and windborne noise were the main contributing noise sources at this location.
	10:37-11:07	56	55	42		
	11:15-11:45	54	53	43		
N6 (nearest noise sensitive receptor, south, Coolmore Wildlife Park)	10:00-10:30	59	61	45	No	Local road traffic, including HGV's, birdsong and windborne noise and a river were the main contributing noise sources at this location. Dogs barking almost continuously from nearby wildlife park. The waste transfer station was not the main contributing noise source.
	10:30-11:00	60	62	48		
	11:00-11:30	60	61	46		

5 CONCLUSION

There are no dwellings within 1km of the proposed waste transfer station. The facility was observed not to be contributing significantly to the ambient noise environment beyond the site boundary. The facility is not a noise nuisance to neighbouring premises. An analysis of the noise results in particular the LA90 indicates that the compliance noise limit is not exceeded at any location. The L_{90} ranged from 35 to 48 dB(A). The limit was exceeded at N5 and N6 however the main contributor to the ambient noise at these locations were not related to the waste transfer station.

No clearly audible tones were noted at any location. At the boundary locations there were occasional impact noises from waste material being dropped into skips and bins, however this impulsive noise would not cause disturbance or annoyance at any off site location and does not warrant a penalty.

Killarney Waste Transfer Station is operating within the waste licence noise emission criteria.

Appendix 1

Calibration Certificates

PCB PIEZOTRONICS
A PCB GROUP COMPANY

Certificate of Calibration and Conformance

Certificate Number 2014-189699

Instrument Model PRM828, Serial Number 2952, was calibrated on 16 Apr 2014. The instrument meets factory specifications per Procedure D0001.8135.

New Instrument
Date Calibrated: 16 Apr 2014
Calibration due:

Calibration Standards Used

MANUFACTURER	MODEL	SERIAL NUMBER	INTERVAL	CAL. DUE	TRACEABILITY NO.
Agilent Technologies	34401A	MY41044529	12 Months	4 Feb 2015	6396720
Larson Davis	LDSigGn/2209	0277 / 0109	12 Months	12 Mar 2015	2014-187602

Reference Standards are traceable to the National Institute of Standards and Technology (NIST)

Calibration Environmental Conditions

Temperature: 23 ° Centigrade

Relative Humidity: 50 %

Affirmations

This Certificate attests that this instrument has been calibrated under the stated conditions with Measurement and Test Equipment (M&TE) Standards traceable to the U.S. National Institute of Standards and Technology (NIST). All of the Measurement Standards have been calibrated to their manufacturers' specified accuracy / uncertainty. Evidence of traceability and accuracy is on file at Provo Engineering & Manufacturing Center. An acceptable accuracy ratio between the Standard(s) and the item calibrated has been maintained. This instrument meets or exceeds the manufacturer's published specification unless noted.

The collective uncertainty of the Measurement Standard used does not exceed 25% of the applicable tolerance for each characteristic calibrated unless otherwise noted.

The results documented in this certificate relate only to the item(s) calibrated or tested. A one year calibration is recommended, however calibration interval assignment and adjustment are the responsibility of the end user. This certificate may not be reproduced, except in full, without the written approval of the issuer.

Signed: Ron Harris

Technician: Ron Harris

Provo Engineering and Manufacturing Center, 1681 West 820 North, Provo, Utah 84601
Toll Free: 888.258.3222 Telephone: 716.926.8243 Fax: 716.926.8215
ISO 9001-2008 Certified

PCB PIEZOTRONICS
A PCB GROUP COMPANY

Certificate of Calibration and Conformance

Certificate Number 2014-189710

Instrument Model 820, Serial Number 1915, was calibrated on 16 Apr 2014. The instrument meets factory specifications per Procedure D0001.8160, ANSI S1.4 1983, IEC 651-Type 1 1979, and IEC 804-Type 1 1985.

New Instrument
Date Calibrated: 16 Apr 2014
Calibration due:

Calibration Standards Used

MANUFACTURER	MODEL	SERIAL NUMBER	INTERVAL	CAL. DUE	TRACEABILITY NO.
Larson Davis	LDSigGn/2209	0277 / 0109	12 Months	12 Mar 2015	2014-187602

Reference Standards are traceable to the National Institute of Standards and Technology (NIST)

Calibration Environmental Conditions

Temperature: 23 ° Centigrade

Relative Humidity: 50 %

Affirmations

This Certificate attests that this instrument has been calibrated under the stated conditions with Measurement and Test Equipment (M&TE) Standards traceable to the U.S. National Institute of Standards and Technology (NIST). All of the Measurement Standards have been calibrated to their manufacturers' specified accuracy / uncertainty. Evidence of traceability and accuracy is on file at Provo Engineering & Manufacturing Center. An acceptable accuracy ratio between the Standard(s) and the item calibrated has been maintained. This instrument meets or exceeds the manufacturer's published specification unless noted.

The collective uncertainty of the Measurement Standard used does not exceed 25% of the applicable tolerance for each characteristic calibrated unless otherwise noted.

The results documented in this certificate relate only to the item(s) calibrated or tested. A one year calibration is recommended, however calibration interval assignment and adjustment are the responsibility of the end user. This certificate may not be reproduced, except in full, without the written approval of the issuer.

Tested with PRM828-2952

Signed: Ron Harris
Technician: Ron Harris

Provo Engineering and Manufacturing Center, 1681 West 820 North, Provo, Utah 84601
Toll Free: 888.258.3222 Telephone: 716.926.8243 Fax: 716.926.8215
ISO 9001-2008 Certified

NSAI
National Metrology Laboratory

Certificate of Calibration

Issued to	Malachy Walsh & Partners Reen Point Blennerville Tralee, Co Kerry
Attention of	Peter Barry

Certificate Number	**E13011B**
Item Calibrated	Bruel & Kjaer Type 2250 "Light"Sound Level Meter and 4950 Microphone
Serial Number	2654709 and 2657422 (microphone)
Client ID Number	---------
Order Number	MWP130108
Date Received	09 Jan 2013
NML Procedure Number	AP-NM-09
Method	The above sound level meter was allowed to stabilise for a suitable period in laboratory conditions. The verification checks performed are those outlined in BS7580:Pt 1 (1997), *Specification for the verification of sound level meters*. This British Standard specifies a procedure for the periodic verification of conformance of a sound level meter or integrating-averaging meter to IEC60651 (1994) and IEC60804 (2000), respectively. Prior to calibration the instrument was tested, and its overall sensitivity adjusted in accordance with Clause 5.4 of BS 7580. Pt 1 using its associated sound level calibrator.
Calibration Standards	Norsonic 1504A Calibration System incorporating: SR DS360 Signal Generator, No. 0735, [Cal. Due Date: 17 Jul 2013] Agilent 34401A Digital Multimeter, No. 0736 [Cal Due Date: 11 Jul 2013] B&K 4134 Measuring Microphone, No. 0743 [Cal Due Date: 17 Apr 2014] B&K 4228 Pistonphone, No. 0740 [Cal. Due Date: 08 Aug 2014] B&K 4226 Acoustical Calibrator, No. 0150, [Cal. Due Date: 30 Oct 2013]

Calibrated by	Oliver Power	**Approved by**	Paul Hetherington
Date of Calibration	16 Jan 2013	**Date of Issue**	16 Jan 2013

CIPM MRA

This certificate is consistent with Calibration and Measurement Capabilities (CMC's) that are included in Appendix C of the Mutual Recognition Arrangement (MRA) drawn up by the International Committee for Weights and Measures. Under the MRA, all participating institutes recognize the validity of each other's calibration certificates and measurement reports for quantities, ranges and measurement uncertainties specified in Appendix C (for details see www.bipm.org)

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Glasnevin | Dublin 11 | Ireland T+ 353 1 808 2609 | F+353 1 808 2603 | NSAI.ie

NSAI
National Metrology Laboratory

Certificate of Calibration

Issued to	Calmet Limited 1E Three Rock Road Sandyford Industrial Estate Dublin 18
Attention of	Gerry Segrave

Certificate Number	**E14202**
Item Calibrated	Bruel & Kjaer Type 4231 Sound Level Calibrator
Serial Number	2665058
Client ID Number	--------
Order Number	71135
Date Received	10 Apr 2014
NML Procedure Number	AP-NM-13
Method	The above calibrator was allowed to stabilize for a suitable period in laboratory conditions. It was then calibrated by measuring the sound pressure level generated in its measuring cavity (half-inch configuration). The calibrator's operating frequency was also measured.
Calibration Standards	Norsonic 1504A Calibration System incorporating: Agilent 34401A Multimeter, No. 0736 [Cal due date: 10 Jul 2014] B & K 4134 Measuring Microphone, No. 0743 [Cal due date: 23 Jan 2015] B & K 4228 Pistonphone, No. 0740 [Cal due: 23 Jan 2015]

Calibrated by	Sam Boles	**Approved by**	Paul Hetherington
Date of Calibration	14 Apr 2014	**Date of Issue**	22 Apr 2014

CIPM MRA

This certificate is consistent with Calibration and Measurement Capabilities (CMC's) that are included in Appendix C of the Mutual Recognition Arrangement (MRA) drawn up by the International Committee for Weights and Measures. Under the MRA, all participating institutes recognize the validity of each other's calibration certificates and measurement reports for quantities, ranges and measurement uncertainties specified in Appendix C (for details see www.bipm.org)

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Glasnevin | Dublin 11 | Ireland T+ 353 1 808 2609 | F+353 1 808 2603 | NSAI.ie

Appendix 2

Glossary of Noise Related Terms

Ambient Noise

Totally encompassing sound in a given situation at a given time usually composed of a sound from many sources near and far.

Background noise level

The A-weighted sound pressure level of the residual noise at the assessment position that is exceeded for 90% of a given time interval, T measured using time weighting F, and quoted to the nearest whole number of decibels.

EPA

Day:	**Night:**
0800 hrs to 2200 hrs	2200 hrs to 0800 hrs

Decibel (dB)

The unit of sound pressure level, calculated as a logarithm of the intensity of sound. 0 dB is the threshold of hearing, 140 dB is the threshold of pain. A change of 1 dB is detectable only under laboratory conditions. A change of 10 dB corresponds approximately to halving or doubling the loudness of sound.

dB(A)

Decibels measured on a sound level meter incorporating a frequency weighting (A weighting) which differentiates between sound of different frequency (pitch) in a similar way to the human ear. Measurements in dB(A) broadly agree with peoples assessment of loudness.

Hertz (Hz)

Unit of frequency (pitch) of a sound

Impulsive Noise

A noise which is of short duration (typically less than one second), the sound pressure level of which is significantly higher than the background

1/3 Octave band analysis

Frequency analysis of sound such that the frequency spectrum is sub divided into bands of one third of an octave each. An octave is taken to be the frequency interval, the upper limit of which is twice the lower limit (in Hertz).

LAeq

Equivalent Continuous A-weighted Sound Level. The continuous steady noise level, which would have the same total A-weighted acoustic energy as the real fluctuating noise measured over the same period of time.

$L(A)_{10}$

The noise level that is equalled or exceeded for 10% of the measurement period

$L(A)_{90}$

The noise level that is equalled or exceeded for 90% of the measurement period

Noise

Unwanted sound. Any sound which has the potential to cause disturbance, discomfort or psychological stress to a subject exposed to it, or any sound which has the potential to cause actual physiological harm to a subject exposed to it or physical damage to any structure exposed to it, is known as noise

Noise Sensitive Receptor

A noise sensitive receptor is regarded as any dwelling house, hotel or hostel, health building, educational establishment, places of worship or entertainment, or any other facility or area of high amenity which for its proper enjoyment requires the absence of noise at nuisance levels

Rating level L_{ArTr}

The specific noise level plus any adjustment for the characteristic features of the noise

Residual Noise

The ambient noise remaining at a given position in a given situation when the specific noise source is suppressed to a degree such that it does not contribute to the ambient noise

Sound Power

The energy output from a source. It is measured in Watts (W)

Specific Noise Source

The noise source under investigation for assessing the likelihood of complaints

Tone

A noise with a narrow frequency composition.

Appendix V - AER/PRTR Return 2014

Environmental Protection Agency

| PRTR# : W0072 | Facility Name : Coolcaslagh Transfer Station | Filename : Draft W0072_2014 as completed 17.02.2015.xls | Return Year : 2014 |

Guidance to completing the PRTR workbook

AER Returns Workbook

Version 1.1.16

REFERENCE YEAR	2014

1. FACILITY IDENTIFICATION

Parent Company Name	Kerry County Council
Facility Name	Coolcaslagh Transfer Station
PRTR Identification Number	W0072
Licence Number	W0072-01

Classes of Activity

No.	class_name
-	Refer to PRTR class activities below

Address 1	Coolcaslagh
Address 2	Killarney
Address 3	
Address 4	
	Kerry
Country	Ireland
Coordinates of Location	-9.43193 52.0657
River Basin District	IESW
NACE Code	3821
Main Economic Activity	Treatment and disposal of non-hazardous waste
AER Returns Contact Name	Tara O Carroll
AER Returns Contact Email Address	tara.ocarroll@kerrycoco.ie
AER Returns Contact Position	Assistant Engineer
AER Returns Contact Telephone Number	0667162046
AER Returns Contact Mobile Phone Number	0879129535
AER Returns Contact Fax Number	0667162001
Production Volume	0.0
Production Volume Units	
Number of Installations	0
Number of Operating Hours in Year	2427
Number of Employees	2
User Feedback/Comments	20 03 01 is split between NKL W0001 and KWD recycling W0217. Cardboard divided between Greenstar Jan - June and Dillon Waste July - Dec. Comparison to 2013 return 13 07 03 -0.6t (not collected in 2014)
Web Address	www.kerrycoco.ie

2. PRTR CLASS ACTIVITIES

Activity Number	Activity Name
5(c)	Installations for the disposal of non-hazardous waste
5(c) 50.1	Installations for the disposal of non-hazardous waste 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. 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) ?	No

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE

Please enter all quantities on this sheet in Tonnes

0

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	20 03 01	No	963.8	mixed municipal waste	D1	M	Weighed	Offsite in Ireland	North Kerry Landfill,W001-04	Muingnaminane,,,Tralee,County Kerry,Ireland		
Within the Country	15 01 06	No	12.56	mixed packaging	R3	M	Weighed	Offsite in Ireland	Killarney Waste Disposal,W0217-01	Aughacureen,,,Killarney,County Kerry,Ireland		
Within the Country	15 01 01	No	61.005	paper and cardboard packaging	R3	M	Weighed	Offsite in Ireland	Greenstar,WFP-CK-10-0047-02	Sarsfield Court Industrial Estate,,,Glanmire,County Cork,Ireland		
Within the Country	20 01 01	No	166.36	paper and cardboard	R3	M	Weighed	Offsite in Ireland	Dillon Waste Ltd,WFP-KY-10-001	The Kerries,,,Tralee,County Kerry,Ireland		
Within the Country	15 01 07	No	91.096	glass packaging	R5	M	Weighed	Offsite in Ireland	Dillon Waste Ltd,WFP-KY-10-001	The Kerries,,,Tralee,County Kerry,Ireland		
Within the Country	15 01 04	No	13.867	metallic packaging	R4	M	Weighed	Offsite in Ireland	Dillon Waste Ltd,WFP-KY-10-001	The Kerries,,,Tralee,County Kerry,Ireland		
Within the Country	20 01 40	No	47.26	metals	R4	M	Weighed	Offsite in Ireland	United Metals,WFP-LK-2013-147A-R1	Eastway Business Pk,Ballysimon Road,Limerick,,,Ireland		
Within the Country	15 01 02	No	62.64	plastic packaging	R3	M	Weighed	Offsite in Ireland	Dillon Waste Ltd,WFP-KY-10-001	The Kerries,,,Tralee,County Kerry,Ireland		
Within the Country	20 01 11	No	0.43	textiles	R3	M	Weighed	Offsite in Ireland	Textile Recycling Ltd,WPR 014/2	Belgard Road,Tallaght,Dublin,24,Ireland		
Within the Country	19 07 03	No	438.88	landfill leachate other than those mentioned in 19 07 02	D8	M	Weighed	Offsite in Ireland	Irish Water Killarney WWTP,D0037-01	Ross Road,Killarney,,,,Ireland		
To Other Countries	20 01 21	Yes	0.4	fluoresoent tubes and other mercury-containing waste	R5	M	Weighed	Abroad	KMK Metals,W0113-01	Cappincur Industrial Estate,,,Tullamore,County Offaly,Ireland	Alba Service GmbH & Co KG,E56657020,Kanalstrasse 64,,,Rheine,48432,Germany	Kanalstrasse 64,,,Rheine,48432,Germany
Within the Country	20 01 34	No	2.415	batteries and accumulators other than those mentioned in 20 01 33	R4	M	Weighed	Offsite in Ireland	Enva,W0184-1	Clonminam Industrial Estate,,,Portlaoise,County Laois,Ireland		
Within the Country	13 02 08	Yes	1.84	other engine, gear and lubricating oils	R1	M	Weighed	Offsite in Ireland	Enva,W0184-1	Clonminam Industrial Estate,,,Portlaoise,County Laois,Ireland	ENVA Ireland,W0184,Clonmainam, Portlaoise,Co Laois,,,Ireland	Clonmainam,Portlaoise,Co Laois,,,Ireland
Within the Country	20 01 35	Yes	40.044	discarded electrical and electronic equipment other than those mentioned in 20 01 21 and and 20 01 23 containing hazardous components	R4	M	Weighed	Offsite in Ireland	Eletrical Waste Management,WFP- DS-11-0014-04	Jordanstown Drive,Greenogue Estate,Rathcoole,Dublin,Ireland	The recycling Village,WFP/MH/11/0005/01, Unit 21 Duleek Business Park,Commons,Duleek,County Meath,Ireland	Unit 21 Duleek Business Park,Commons,Duleek,County Meath,Ireland
To Other Countries	20 01 35	Yes	39.013	discarded electrical and electronic equipment other than those mentioned in 20 01 21 and and 20 01 23 containing hazardous components	R4	M	Weighed	Abroad	Eletrical Waste Management,WFP- DS-11-0014-04	Jordanstown Drive,Greenogue Estate,Rathcoole,Dublin,Ireland	European Metal Recycling ,WML101767,Alexander Dock 1,Boole,Liverpool,L201BX,United Kingdom	Alexander Dock 1,Boole,Liverpool,L201BX,United Kingdom
To Other Countries	16 02 14	No	37.196	discarded equipment other than those mentioned in 16 02 09 to 16 02 13	R4	M	Weighed	Abroad	Eletrical Waste Management,WFP- DS-11-0014-04	Jordanstown Drive,Greenogue Estate,Rathcoole,Dublin,Ireland		
To Other Countries	16 02 11	Yes	16.119	discarded equipment containing chlorofluorocarbons, HCFC, HFC	R4	M	Weighed	Abroad	Eletrical Waste Management,WFP- DS-11-0014-04	Jordanstown Drive,Greenogue Estate,Rathcoole,Dublin,Ireland	European Metal Recycling ,WML101767,Alexander Dock 1,Boole,Liverpool,L201BX,United Kingdom	Alexander Dock 1,Boole,Liverpool,L201BX,United Kingdom
Within the Country	20 03 01	No	639.94	mixed municipal waste	R12	M	Weighed	Offsite in Ireland	Killarney Waste Disposal,W0217-01	Aughacureen,,,Killarney,County Kerry,Ireland		
Within the Country	15 01 01	No	32.222	paper and cardboard packaging	R3	M	Weighed	Offsite in Ireland	Dillon Waste Ltd,WFP-KY-10-001	The Kerries,,,Tralee,County Kerry,Ireland		

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