

Kerry County Council



Waste Licence Ref No. W0072-01

REPORT TITLE

**Coolcaslough Transfer Station, Killarney
Annual Environmental Report**

Reporting Period:

January 2012 – December 2012

*Prepared By:
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Tralee
Co. Kerry.*

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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.

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. Small quantities of organic waste are also collected for transfer to North Kerry Landfill for composting.

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 2012 – 31st December 2012.

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 2012

Waste tonnage disposed of at Coolcaslagh Transfer Station during the reporting year (2012) decreased by 42% on the previous year (2011). This is primarily due the selling of Kerry County Council's Refuse Collection Service in November 2011 (526.98 tonnes) and there has also been a 19% (223.82 tonnes) reduction in the quantity of waste being disposed of by members of the public, this is due to the economic downturn.

The weight of the waste accepted into Coolcaslagh Transfer Station Facility for disposal for the reporting period was 2,407.7 Tonnes. This comprises of the following breakdown:

<i>Waste for Disposal</i>	2012
Municipal waste collected by Local Authority & Private Contractors	967.94
Commercial & Industrial	73.04
Road Sweepings & Graveyard Waste	142.34
Flytipping	65.06
Public Domestic	1,173.98
Total for Disposal	2,407.7

Table 1 Waste Stream Break down for reporting Period.

The quantities of waste sent for recycling increase by 18% overall in comparison to last year.

Waste for Recycling & Recovery	Tonnes 2012
Metals	21.22
Glass	87.2
Aluminium and steel cans	11.46
Batteries	0.64
Newspapers	134.84
Cardboard	71.62
Fluorescent Tubes	0.12
Plastic Bottles	39.64
Waste Engine Oil	3.33
WEEE	111.31
Dry Recyclables	7.72
Organics	0
Textiles	0.08
Total for Recycling/Recovery	489.18

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

Appendix I contains a breakdown of waste by classification 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 expected that waste disposal rates and recycling/recovery rates at Coolcaslagh Transfer Station will continue to decrease in the next reporting period mainly due to the weak economic environment and the increasingly competitive waste industry.

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 2012, Kerry County Council transported 401.98 tonnes of foul effluent and silt/sludge from the facility for treatment in Killarney Wastewater Treatment Plant. The foul water effluent is monitored quarterly and the results are sent to the EPA and are also available at the Coolcaslagh facility.

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.

Dust monitoring was carried out on three occasions during 2012 in accordance with the licence conditions. The dust monitoring results were within the ELV set down in the licence except for Station 2 in one report dated 22nd November 2012. However, during this period substantial excavation works were being carried out in the adjoining quarry to the southwest of the facility which had a significant impact on the nearest dust monitoring location, Station 2.

There were no issues with dust during 2012 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 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 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 L90 ranged from 35 to 54 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 2012 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.

c) Monitoring of surface water

The surface water monitoring results are attached in Appendix II. SW4 still experienced slight contamination as evidenced from consistently above background ammonia levels. As effluent from the transfer station is now 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 excavation and development works upstream of landfill and possibly from legacy landfill activities.

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 2012.

Kerry County Council will undertake an invertebrate assessment during the summer months of 2013.

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.

f) Landfill gas

The levels of methane gas and carbon dioxide recorded in 2012 have reduced significantly (average **CH₄** - L1: 58.7 % v/v, L2: 25.3 % v/v., average **CO₂** – L1: 35.5% v/v, L2: 13.7% v/v) compared to 2008 and 2009. The landfill gas monitoring results are attached in Appendix III.

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 2012 was 916 litres. The primary usage of diesel is for the rubber tyred 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 14,980 kWh. This is a decrease of 1,396 kWh compared to 2011. This can primarily be attributed to the reduction in tonne being disposed of at the site.

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.

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 92,000 litres. This is a reduction of 24,000 liters consumption in 2011. Water is mainly used on site for site office facilities, power washing yards, transfer station apron and hopper and washing of trucks where required. 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 2013.

11.0 Schedule of Environmental Objectives and Targets for the Forthcoming Year

Target Area	Objective	Works Required
<i>Surface Water Emissions</i>	Keep Surface Water Emissions within agreed limits	Regular inspection of surface water drains. Regular monitoring of results from Surface Water Monitoring Points.
<i>Litter – On public roads to facility</i>	Reduction in the number of bags of waste/litter lost from trailers on the way to the facility	Regular inspections and clean up of approach roads. Quick response to clean up any reported waste on the approach roads to the facility
<i>Energy Resources</i>	Reduce the quantity of diesel and electricity used on site	Avail of night rate tariffs for electricity
<i>Waste Records</i>		Introduction of new computer system on site to record waste transactions with connection to KCC network

12.0 Report on Progress towards achievement of the 2012 Environmental Objectives and Targets

Objective	Target	Progress
<i>Keep Surface Water Emissions within limits</i>	Regular monitoring & Inspections	Ongoing
<i>Reduction in Litter on Public Roads to facility</i>	Regular inspection & clean up of roads	Ongoing
<i>Reduction in use of Energy Resources</i>	Reduce quantity of diesel and electricity used on site	Ongoing
<i>Increase collection of Cardboard and Textiles</i>	Increase promotion & marketing	Ongoing

13.0 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

14.0 Reported Incidents and Complaints

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

15.0 Report on Financial Provision

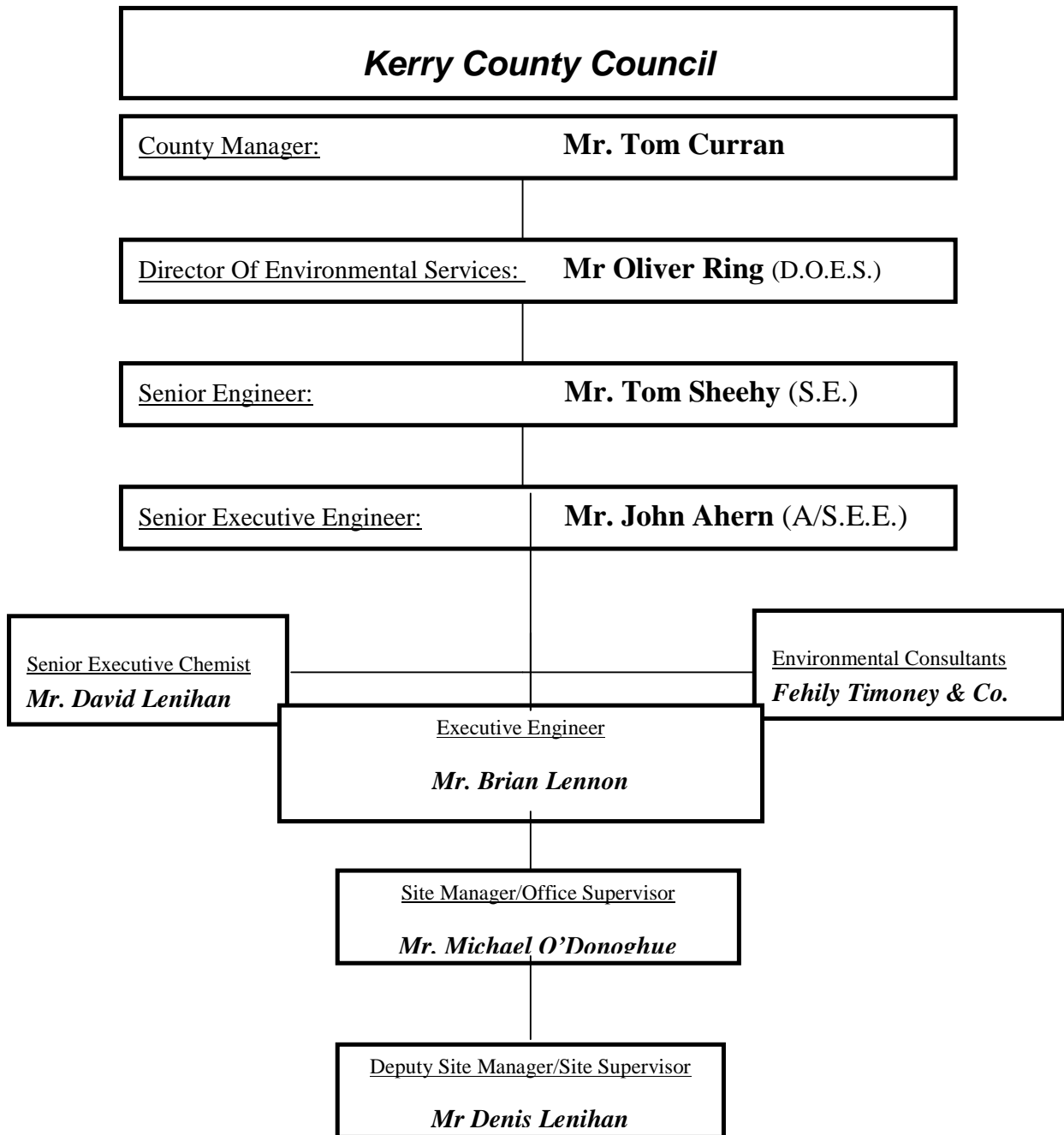
a) Statement of Costs for Waste Operations at Facility 2012

60030	Wages	48,259.98
60040	Salaries	8,170.19
60100	ER PRSI	9,959.18
60200	Overtime	33,062.29
60400	Sick Pay	1,307.96
60500	Annual Leave	4,921.62
60510	Bank Holiday Leave	1,341.50
60600	Travel/Subsistence	6,004.98
60700	Eating on site allowance	44.82
61990	Other Allowances	1,254.96
65500	Minor Contracts- Trade Services & other works	35,919.16
65965	Transfer to/from Cap/Rev (Exp)	0.00
68500	Non-Capital Equip Purchase - Other	444.11
69000	Hire (Ext) - Plant/Transport/Machinery & Equipment	270.00
69200	Repairs & Maint - Plant	2,352.12
69250	Repairs & Maint -Computer Equip	0.00
69260	Repairs & Maint - Other Equip	255.00
69400	Transfers from Machinery Yard	7,959.00
69600	Other Vehicle Expenses	0.00
70000	Materials	1,682.03
70985	Issue from Fuel Stores	98.07
70990	Issues from Stores	3,146.90
70991	Returns to Stores	-101.85
71000	Insurance	412.90
73400	Staff Travelling & Subsistence Expenses	3,602.44
75000	Computer Software and Maintenance Fees	-2,264.00
76000	Communication Expenses	750.70
77200	Security - Property	6,563.37
78000	Training	39.96
79900	Consultancy/Professional Fees and Expenses	296.80
80000	Advertising	0.00
81000	Printing & Office Consumables	214.86
82100	Statutory Contributions to Other Bodies	5,935.80
85100	Rates & Other LA Charges	1,025.90
86000	Energy	7,112.51
	Total Waste Operational Cost 2012	190,043.26

b) Statement of Costs for Recycling Operations at Facility

Accelem	Accelem(T)	Total Charge Euro
60030	Wages	7,640.93
60040	Salaries	2,350.20
60100	ER PRSI	1,753.59
60200	Overtime	5,359.88
60500	Annual Leave	1,324.73
60510	Bank Holiday Leave	268.30
60600	Travel/ Subsistence	945.99
61990	Other Allowances	126.99
65500	Minor Contracts- Trade Services & other works	1,335.91
67500	Non-Capital Equip Purchase - Computers	-902.03
68500	Non-Capital Equip Purchase - Other	98.00
69200	Repairs & Maint - Plant	73.84
69250	Repairs & Maint -Computer Equip	0.00
70000	Materials	227.58
70990	Issues from Stores	0.00
73400	Staff Travelling & Subsistence Expenses	2,174.38
76000	Communication Expenses	311.88
77200	Security - Property	210.00
78000	Training	0.00
79900	Consultancy/ Professional Fees and Expenses	254.40
80000	Advertising	0.00
81000	Printing & Office Consumables	42.43
82100	Statutory Contributions to Other Bodies	2,543.92
85100	Rates & Other LA Charges	160.38
86000	Energy	251.35
	Total Recycling Operating Cost 2012	26,552.65

16.0 Management and Staffing Structure at Facility 2012



17.0 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

	KCC Refuse	KTC Refuse	Public Car Household	Public Commerical	* 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	KUDC Clean Ups / F'tipping	Total Non-levied	Total of Waste Over Weighbridge	Total Waste Out of TS
January 2012	0	96.38	59.24	0	76.9	1.14	0	0.14	0	233.80	0.62	19.2	1.96	6.68	0	28.46	185.36	261.58
January 2011	68.52	104.78	100.96	0	51.26	2.64	0	4.36	3.54	336.06	0.5	23.2	1.28	1.6	0	26.58	311.38	362.64
February 2012	0	81.94	48.72	0	45.88	1.4	0	0.18	0.36	178.48	0.16	10.12	0	6.18	0.24	16.7	149.30	195.18
February 2011	43.16	83.80	64.54	0.22	45.18	2.84	0.00	6.68	4.34	250.76	0.6	24.22	1.12	3.32	0	29.26	234.84	280.02
March 2012	0.00	96.50	66.12	0.00	38.62	6.88	0.00	0.30	0.94	209.36	0	7.88	1.32	3.98	0	13.18	183.92	222.82
March 2011	58.60	114.84	89.44	0.00	24.88	4.44	0.00	0.98	0.78	293.96	0.08	14.66	1.08	4.86	0.00	20.68	289.76	314.64
April 2012	0	84.08	56.10	0	46.14	2.08	0	6.78	0.66	195.84	0.74	6.48	0.76	8.46	0	16.44	166.14	208.9
April 2011	40.8	98.18	60.76	0	68.58	3.32	0	1.96	1.8	275.40	0.86	16.14	0.86	8.16	0	26.02	232.84	301.42
May 2012	0	79.42	66.36	0	31.44	2.06	0	0.62	0.48	180.38	0.2	8.66	2.84	3.44	0.76	15.90	164.84	196.54
May 2011	41.98	94.38	70.84	0	56.76	2.5	0	0	4.56	271.02	0.62	15.74	1.3	8.52	0.5	26.68	240.94	297.70
June 2012	0	75.64	59.46	0	27.86	2.56	0	1.54	0.66	167.72	0	9.96	1.24	2.54	0.68	14.42	154.28	196.26
June 2011	43.1	86.22	70.2	0	35.32	4.12	0	0	8.22	247.18	0.62	17.24	2.46	2.78	0	23.10	234.96	270.28
July 2012	0	77.5	58.10	0	54.20	3.32	0	0	0.54	193.66	0	12.5	3.04	2.98	1.9	20.42	159.88	201.14
July 2011	41.92	88.50	74.70	0	53.00	2.68	0	1.06	2.14	264.00	0.22	17.7	2.66	2.74	0	23.32	234.32	287.32
August 2012	0	92.9	57	0	33.4	3.28	0	0.24	0.56	187.38	0	8.02	0	3.54	1.28	12.84	166.82	200.74
August 2011	58.82	95.82	63.32	0	53.9	4.3	0	0.78	0.96	277.90	0.12	13.44	0	1.84	0	15.40	239.40	293.3
September 2012	0	68.78	51.1	0	35.72	2.66	0	0	0.28	158.54	0	17.1	0	1.62	0.6	19.32	142.14	178.58
September 2011	46.52	92.88	49.52	0	53.8	1.94	0	1.72	1.78	248.16	0.22	12.02	1.5	2.68	0.24	16.66	211.02	264.82
October 2012	0	68.08	50.56	0	33.64	3.3	0	2.4	0.58	158.56	0	8.98	1.56	2.6	2.42	15.56	140.48	173.92
October 2011	41.64	80.08	57.84	0	43.28	1.5	0	0	0.7	225.04	1.78	9.32	0	2	0	13.10	194.86	238.14
November 2012	0	67.32	50.68	0	44.32	4.78	0	1.86	0.66	169.62	0.16	7.1	0	3.42	1.34	12.02	137.32	181.44
November 2011	41.92	86.08	59.14	0	53.94	1.8	0	0.66	8.58	252.12	0.42	15.04	0	2.24	3.7	21.40	219.58	273.52
December 2012	0	79.4	49.64	0	32.78	1.7	0	4.88	0	168.40	0	9.74	2	5.9	4.5	22.14	157.76	190.6
December 2011	0	81.68	51.68	0	46.66	1.16	0	0.94	0.18	182.30	0.34	14.04	1.72	5.58	0	21.68	157.32	203.98
Total Tonnage 2012	0.00	967.94	673.08	0.00	500.90	35.16	0.00	18.94	5.72	2201.74	1.88	125.74	14.72	51.34	13.72	207.40	1908.24	2407.70
Total Tonnage 2011	526.98	1107.24	812.94	0.22	586.56	33.24	0.00	19.14	37.58	3123.90	6.38	192.76	13.98	46.32	4.44	263.88	2801.22	3387.78

Appendix II - Results of Foul and Surface Water Monitoring

Attn: Tara O'Carroll EE Waste Management

11 March 2013

Re: LABORATORY Results for Coolcaslagh Transfer stations : to Dec 2012

Enclosed are results (2003 – Dec 2012) of monitoring of designated Surface water points and Foul emission point sampled as set out in EPA licence conditions for **COOLCASLAGH Transfer station**. Refer also to *app 1: details of sample locations*

SW4a still experienced contamination as evidenced from consistently above background ammonia levels. As effluent from transfer station is now tankered away from site it is evident that this slight contamination is not due to transfer station activity. The source of impact is a contribution from excavation works upstream of landfill and possibly from impact from legacy landfill activities.

SW4a, is sampled from a manhole just outside main gate into site.. However because of warren of underground drains it is quiet possible that even in this site impact from other activities beside those from waste management cannot be discounted. To ascertain exact sources and proportional contribution would be beyond current monitoring resources and would therefore involve considerable cost.

An investigation into impact on groundwater from closed landfills, including Coolcaslagh, is currently underway. We intend to submit a report on this before July 2013.

No significant impact however is noted in main river channel ((**Woodford river SW1, SW3a (new site just downstream from discharge from landfill i.e. SW4) SW6 and SW7**))

Biological investigation of these surface water impact streams last done in 2011 denotes waters of good quality (Q4). We will be undertaking an invertebrate assessment during summer months of 2013

David Lenihan MSc
Senior Executive Chemist

Surface Water Monitoring Results

Landfill	Location	Comments	Eastings	Northings	Sample Reference	Sample Date	Sample Time	Ammonium (NH4)	pH	BOD (O2)	Conductivity @ 20 oC	Chemical Oxygen Demand (O2)	Chloride (Cl)	Dissolved Oxygen (O2)	Suspended Solids	Temperature	Faecal Coliforms	Total Coliforms
								mg/l	pH units	mg/l	µS/cm	mg/l	mg/l	mg/l	mg/l	Degrees C	no./100m ls	no./100m ls
Coolcaslagh	Sw 1A (New Site)		102224	91786	2012/0462	25-Jan-12	10:30	< 0.02	6.9	< 1	103	29	22	10.5	2.5	9		
Coolcaslagh	Sw 1A (New Site)		102224	91786	2012/1877	18-Apr-12	10:08	0.06	6.7	1.4	95	88	16.3	10.3	7	8.2		
Coolcaslagh	Sw 1A (New Site)		102224	91786	2012/3084	04-Jul-12	13:40	0.06	6.8	< 1	96	41	13	9.7	3	13.5		
Coolcaslagh	Sw 1A (New Site)		102224	91786	2012/4918	10-Oct-12	11:15	0.04	6.5	< 1	98	59	14	9.8	2.8	11.6	326	15531
Coolcaslagh	pipe 40m d/s of SW1A		102189.4	91793.6	2012/0469	25-Jan-12	10:30	0.02	7.7	1.8	66	23	10	9.4	57	8.9		
Coolcaslagh	pipe 40m d/s of SW1A		102189.4	91793.6	2012/1883	18-Apr-12	10:15	< 0.02	7.9	1.1	131	30	21	10	38	8.4		
Coolcaslagh	Sw 3A		101840.8	91649	2012/0465	25-Jan-12	10:05	0.09	7.1	< 1	108	31	23	10.6	3	9		
Coolcaslagh	Sw 3A		101840.8	91649	2012/1889	18-Apr-12	10:30	0.07	6.7	1.3	99	55	16.2	10.1	6	8.6		
Coolcaslagh	Sw 3A		101840.8	91649	2012/3085	04-Jul-12	13:50	0.08	6.8	< 1	101	39	12.9	9.7	4	13.5		
Coolcaslagh	Sw 3A		101840.8	91649	2012/4920	10-Oct-12	11:40	0.05	7	< 1	99	56	14	9.8	2.4	11.7	488	7270
Coolcaslagh	Sw 4		101880	91659	2012/0464	25-Jan-12	09:55	0.94	7.5	4.3	242	35	24	9.8	23	8.9		
Coolcaslagh	Sw 4	Sampled at pipe	101880	91659	2012/1879	18-Apr-12	10:22	2.5	7.3	1.9	153	64	18.6	10.1	9	9.5		
Coolcaslagh	Sw 4	@ pipe	101937	91695.3	2012/2156	01-May-12	11:35	1.11	7.7	2.3	270	41			27	9.5		
Coolcaslagh	SW4A		101927	91604	2012/0463	25-Jan-12	12:15	0.07	8.1	2.9	158	36	21	10	210	8.3		
Coolcaslagh	SW4A @ manhole	Sampled at manhole	101927	91604	2012/1878	18-Apr-12	10:40	13.1	7.7	3.2	274	39	19.4	9.9	4	9.3		
Coolcaslagh	SW4A @ manhole	@ Manhole	101927	91604	2012/2152	01-May-12	11:30	1.52	7.7	2.3	218	47			31	9.4		
Coolcaslagh	SW4A @ manhole		101927	91604	2012/3086	04-Jul-12	14:05	0.75	7.5	4	200	30	8.2	8.5	13	15.3		
Coolcaslagh	SW4A @ manhole		101927	91604	2012/4921	10-Oct-12	11:50	1.92	7.9	< 1	376	32	12.9	9.6	3.6	12.6	79	2481
Coolcaslagh	Sw 5		101794.7	91628.4	2012/0466	25-Jan-12	12:30	0.09	6.9	2.9	91	71	17.5	10.5	128	8.6		
Coolcaslagh	Sw 5		101794.7	91628.4	2012/1880	18-Apr-12	10:50	0.06	7	1.4	103	55	16.2	10.3	7	8.5		
Coolcaslagh	Sw 5		101794.7	91628.4	2012/3087	04-Jul-12	13:55	0.06	6.9	1.2	103	41	13.3	9.8	3	13.5		
Coolcaslagh	Sw 5		101794.7	91628.4	2012/4922	10-Oct-12	11:30	0.06	7	< 1	100	58	14.2	9.8	2.4	11.6	579	5475
Coolcaslagh	Sw 6		100842.9	91303.3	2012/0467	25-Jan-12	09:35	0.09	7.3	1	112	27	19	10.8	6.5	9		
Coolcaslagh	Sw 6		100842.9	91303.3	2012/1881	18-Apr-12	11:42	0.06	7	1.4	102	49	18.8	10.4	6	9.3		
Coolcaslagh	Sw 6		100842.9	91303.3	2012/3088	04-Jul-12	13:25	0.08	7	< 1	107	35	13.7	10.2	2	13.2		
Coolcaslagh	Sw 6		100842.9	91303.3	2012/4923	10-Oct-12	11:03	0.08	7.2	< 1	104	65	14.4	10.1	1.6	11.6	411	3448
Coolcaslagh	Sw 7		99256.5	90467.4	2012/0468	25-Jan-12	09:20	0.05	7.5	< 1	116	27	19	10.8	7.5	9		
Coolcaslagh	Sw 7		99256.5	90467.4	2012/1882	18-Apr-12	11:55	0.1	7	1.5	107	64	16.6	10.8	6	10.3		
Coolcaslagh	Sw 7		99256.5	90467.4	2012/3089	04-Jul-12	15:20	0.04	7.3	< 1	112	33	13.6	10	3	13.9		
Coolcaslagh	Sw 7		99256.5	90467.4	2012/4924	10-Oct-12	10:45	0.02	7.3	< 1	110	58	14.4	10.2	3.6	11.9	1986	4611
Coolcaslagh	Manhole inside parameter fence one w ith concrete around it		101907	91525	2012/3090	04-Jul-12	14:20	< 0.02	7.8	5.2	69	42	1.6	8.5	25	18.5		
Coolcaslagh	Manhole inside parameter fence one w ith concrete around it		101907	91525	2012/4925	10-Oct-12	12:15	2	7.2	< 1	355	40	14.8	< 2	5.2	12.8		
Coolcaslagh	Manhole outside parameter fence near BH4		101902	91527	2012/3091	04-Jul-12	14:30	1.7	7.6	1.7	271	24	9.4	8.6	8	17.3		
Coolcaslagh	Manhole outside parameter fence near BH4		101902	91527	2012/4926	10-Oct-12	12:00	2.79	7.7	1	377	53	13.4	9.1	25.2	12.4		

Foul Water Monitoring Results

Landfill	Location	Sample Reference	Sample Date	Sample Time	Ammonium (NH4)	pH	BOD (O2)	Conductivity @ 20 oC	Chemical Oxygen Demand (O2)	Suspended Solids	Temperature	Oils/Fats & Grease	Oils/Fats & Grease	Odour
					mg/l	pH units	mg/l	µS/cm	mg/l	mg/l	Degrees C	mg/l	derscriptive	Descriptive
Coolcaslagh	FE1	2012/0470	25-Jan-12	11:15	9.56	6.8	206	67	413	210	10	147		septic
Coolcaslagh	FE1	2012/1884	18-Apr-12	11:35	24.8	6.4	315	690	712	106	9.6	4.07		strong/putrid
Coolcaslagh	FE1	2012/3093	04-Jul-12	14:55	14.2	6.6	6.8	437	285	80	17.5	< 0.5		ND
Coolcaslagh	FE1	2012/4927	10-Oct-12	12:15	49.19	6.5	340	802	679	74	13.5	1.66		Anarobic/Sew age

Appendix III - Landfill Gas Summary

Coolcaslagh Waste Transfer Station

Monitoring of Landfill Gas Levels

Date	Ref.	CH ₄ % v/v	CO ₂ % v/v	O ₂ % v/v	Atm. Pressure Mbar	Temperature Degrees Celsius
14/10/08	L1	40.9	24.1	8.5	1011	8
	L2	35.2	20.9	10.3	1011	8
7/5/09	L1	63.9	28.2	1.2	1005	17
	L2	60.1	29.6	1.6	1005	17
10/12/09	L1	59.8	30.1	1.4	1005	8
	L2	60.2	31.0	1.0	1005	8
14/4/10	L1	40.4	24.6	5.5	1005	12
	L2	8.5	4.6	17.3	1005	12
30/3/11	L1	34.6	24.2	5.5	987	13
	L2	12.6	5.8	17.2	986	13
15/7/11	L1	48.2	31.3	4.2	992	17
	L2	25.1	14.3	13.2	992	17
04/07/12	L1	58.7	35.5	0.5	984	17
	L2	25.3	13.7	13.3	984	17

Appendix IV – Results of Dust Monitoring



OUR REF: RP 2011 | KERRY COUNTY COUNCIL – COOLCASLASH | 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
REPORT TO:	BRIAN LENNON	DATE SAMPLED:	12 September – 12 October 2012
SAMPLED BY:	Brian Lennon	DATE RECEIVED:	15 October 2012
SAMPLING PT:	COOLCASLASH TRANSFER STATION	DATE ANALYSED:	26 October – 08 November 2012
ORDER NO:		DATE REPORTED:	09 November 2012
		WORK NO.:	27361 C 12P-101

TABLE OF RESULTS

METHOD:	LAB REF:	YOUR REF:	TOTAL PARTICULATES mg/m ² /day	INORGANIC PARTICULATES mg/m ² /day
SCP 039	C12-Oct 308	Station 1	178	149
SCP 039	C12-Oct 309	Station 2	307	224
SCP 039	C12-Oct 310	Station 3	118	42


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



ANALYSIS REPORT

CUSTOMER:	KERRY COUNTY COUNCIL	SAMPLE TYPE:	DUST
ADDRESS:	Environment Section, Main Street, Tralee, County Kerry	CONDITION OF SAMPLE ON RECEIPT:	Satisfactory
REPORT TO:	BRIAN LENNON	DATE SAMPLED:	30 days
SAMPLED BY:	Brian Lennon	DATE RECEIVED:	22 November 2012
SAMPLING PT:	COOLCASLASH TRANSFER STATION	DATE ANALYSED:	05 – 12 December 2012
ORDER NO:		DATE REPORTED:	12 December 2012
		WORK NO.:	27562 C 12P-101

TABLE OF RESULTS

METHOD:	LAB REF:	YOUR REF:	TOTAL PARTICULATES mg/m ³ /day	INORGANIC PARTICULATES mg/m ³ /day
SCP 039	C12-Nov 488	Station 1	58	37
SCP 039	C12-Nov 489	Station 2	463	391
SCP 039	C12-Nov 490	Station 3	76	42

Karen Lavery
Karen Lavery
Chemistry Laboratory

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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

COMMENT:

C12-NOV 489 – STATION 2

The collector gauge contained clear coloured water and a considerable amount of particulates. The dried dish contained a considerable amount of grey particulates and grey fine powder residue. The ashed dish contained a considerable amount of brown particulates. The ashed residue underwent effervescence on addition of acid indicating the presence of carbonate in the residue.

In accordance to standard laboratory practice a blank sample and a QC standard were analysed with the batch of samples.

ANALYSIS REPORT

CUSTOMER:	KERRY COUNTY COUNCIL	SAMPLE TYPE:	DUST
ADDRESS:	Environment Section, Main Street, Tralee, County Kerry	CONDITION OF SAMPLE ON RECEIPT:	Satisfactory
REPORT TO:	BRIAN LENNON	DATE SAMPLED:	30 days
SAMPLED BY:	John Mannix	DATE RECEIVED:	21 December 2012
SAMPLING PT:	COOLCASLASH TRANSFER STATION	DATE ANALYSED:	11 – 17 January 2013
ORDER NO:		DATE REPORTED:	21 January 2013
		WORK NO.:	27724 C 12P-101

TABLE OF RESULTS

METHOD:	LAB REF:	YOUR REF:	TOTAL PARTICULATES mg/m ² /day	INORGANIC PARTICULATES mg/m ² /day
SCP 039	C12-Dec 356	Station 1	34	18
SCP 039	C12-Dec 357	Station 2	97	64
SCP 039	C12-Dec 358	Station 3	26	17

P.P. Jennifer Keene
 Karen Havery
 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.

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 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 V – Results of Noise Monitoring



Malachy Walsh and Partners
Engineering and Environmental Consultants

2012 Killarney Waste Transfer Station Waste Licence Environmental Noise Survey

On behalf of
Kerry County Council

January 2013

Job number	Revision	Prepared by	Checked by	Status	Date
15002	6004 A	Peter Barry	Ken Fitzgerald	FINAL	31 st January 2013



MWP ENVIRONMENT AND PLANNING

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2	METHODOLOGY	1
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2.4	Measurement Parameters.....	2
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3	RESULTS	3
4	CONCLUSION	4

LIST OF APPENDICES

Appendix A	Calibration Certificates
Appendix B	Glossary of Noise Related Terms
Appendix C	Frequency Graphs

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- 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 17th and 18th December 2012. Noise monitoring had to be undertaken over two days in order to comply with the EPA guidance note NG4 and because of adverse weather conditions.

2.2 MONITORING LOCATIONS

Monitoring was undertaken at the five locations, including boundary and the nearest noise sensitive locations (N1, N3, N4, N5 and N6). The locations are shown on Figure 1.

Figure1: NOISE MONITORING LOCATIONS



2.3 Survey Equipment

The measurements were made using a Bruel & Kjaer type 2250 Light Logging integrating Sound Level Meter. This instrument is a Type 1 instrument 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 meter (SLM) was 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.

The instrument was calibrated with a B&K type 4231 calibrator prior to and after the measurement period. Factory calibration certificates for the noise level meter and acoustic calibrator, detailing equipment serial numbers, calibration traceability and re-calibration dates are presented in Appendix A of this report. A glossary of noise related terms is presented in Appendix B.

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.

The 1/3 Octave Frequency was also measured at each location. This allows for the detection and identification of tonal content. Typically there is a 5dB(A) penalty for tonal content in the noise signature.

2.4.1 Meteorological Conditions

Meteorological conditions were noted as dry, mild with light winds not exceeding 5 meters per second (ms^{-1}) at any time during the surveys. 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 $5ms^{-1}$.

3 RESULTS

Table 1. Noise Monitoring Results

Location Reference	Date and Time	L _{Aeq} dB	L _{A90} dB	L _{A10} dB	Tones Hz	Description of Noise Sources
N1 (facility entrance)	17/12/2012 10:49 – 11:19	54	39	56	No tones detected	Cars and HGV's entering and existing the facility was the main contributing noise source.
	18/12/2012 09:58 – 10:28	55	42	55	No tones detected	
	18/12/2012 13:58 – 14:28	56	54	54	No tones detected	
N3 (boundary location, rear of facility)	17/12/2012 11:24 – 11:54	52	40	51	No tones detected	The tipping shed in operation was the main contributing noise source at this location.
	18/12/2012 10:33 – 11:03	54	35	55	No tones detected	
	18/12/2012 11:39 – 12:09	58	38	58	No tones detected	
N4 (boundary location, near lake)	17/12/2012 12:03 – 12:33	53	45	55	No tones detected	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.
	18/12/2012 11:06 – 11:36	60	38	64	No tones detected	
	18/12/2012 12:14 – 12:44	49	36	49	No tones detected	
N5 (nearest noise sensitive receptor, north)	17/12/2012 12:42 – 13:12	55	46	57	No tones detected	Local road traffic, birdsong and windborne noise were the main contributing noise sources at this location.
	18/12/2012 12:49 – 13:19	51	35	51	No tones detected	
	18/12/2012 14:33 – 15:03	53	36	51	No tones detected	
N6 (nearest noise sensitive receptor, south, Coolmore Wildlife Park)	17/12/2012 13:46 – 14:16	61	42	59	No tones detected	Local road traffic, birdsong and windborne noise were the main contributing noise sources at this location. A distance hum possibly quarry related was also occasionally audible.
	18/12/2012 13:23 – 13:53	61	40	59	No tones detected	
	18/12/2012 15:09 – 15:39	63	45	60	No tones detected	

4 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 L₉₀ ranged from 35 to 54 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.

Appendix A

Calibration Certificates

Service Engineering Report

Customer: Malachy Walsh and Partners
Ref Number: R0459882/01
Ser/No.: 2654709
Product: B&K 2250 Sound Level Meter
Warranty: No
Order Num: 13378
Booked In: 22-Mar-10
Proceed Date: 07-Apr-10

Customers Reported Fault

calibration

Fault Diagnosis:


Engineers Report:

B&K 4950 S/N 2657422 Microphone PASS Frequency & sensitivity test.
B&K 2250-L Calibration.
Calibrate with manufactures performance specification(s) PASS
Supplied Results Certificate .

Disclaimer

All work carried out is covered by a 90 Day warranty on parts and labour. Exceptions:- Replacement batteries, electrochemical cells. Any shortages must be reported within seven working days of despatch from our premises. Any queries should be directed to Casella Customer Service Department. Casella CEL Management system accredited to ISO- 9001:2000 by the SIRA Certification Services (CML).Certificate No. 051824.

Casella Measurement

Engineer: Navin Mistry
Sig:  **Completion Date:** 08-Apr-10



Casella Measurement, Regent House, Wolsley Road, Kempston, Bedford, MK42 7JY
Phone: +44(0)1234 844100, FAX: +44(0) 1234 841490, E-mail: info@casellacet.com
Web: www.casellacet.com

Certificate of Conformance
and
Calibration

CASELLA
MEASUREMENT

Customer: Malachy Walsh and Partners
Instrument: B&K 4231
Serial No 1: 2665058
Part No.:
Ref Number: 0459682/02
Date of Issue: 08/04/2010
P/Ord Num: 13378

Firmware Ver: N/A

Calibration Method: -

The instruments indicated values for the measurement parameters have been validated using the tested traceable equipment which has been calibrated with traceability to National and International references.

The uncertainties are for a confidence probability of not less than 95%.

<u>Traceable Equipment:</u> -	<u>Equip No.</u>	<u>Cal DueDate</u>
DMM Fluke 45	00691	18/06/2010
B&K 4231 Calibrator	10066M	08/01/2010

Test Conditions: -

Ambient Temperature : 24.7°C
Ambient Humidity : 35%RH
Ambient Pressure : 1010 mBar

Results: -

	Initial Reading:	Final Reading:	Tol (Class 1):	Tol (Class 2):
Frequency @ 1kHz:	: 1.0001	: 1.0001	:	±1 Hz @ 1 kHz
SPL @ 114dB:	: 114.2	: 114.0	:	±0.15dB ±0.2dB
SPL @ 94dB:	: 94.2	: 94.0	:	±0.15dB
With Coupler:	:	:	:	:

Comments:

Casella Measurement

Engineer: Navin Mistry

Sig



Calibration Date 08/04/10



Casella Measurement, Regent House, Wolsley Road, Kempston, Bedford, MK42 7JY
Phone: +44(0)1234 844100, FAX: +44(0) 1234 841490, E-mail: info@casellacel.com
Web: www.casellacel.com

CC14 Issue 03

Appendix B

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:
0800 hrs to 2200 hrs

Night:
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 equaled or exceeded for 10% of the measurement period

L(A)₉₀

The noise level that is equaled 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_{A,rT}

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

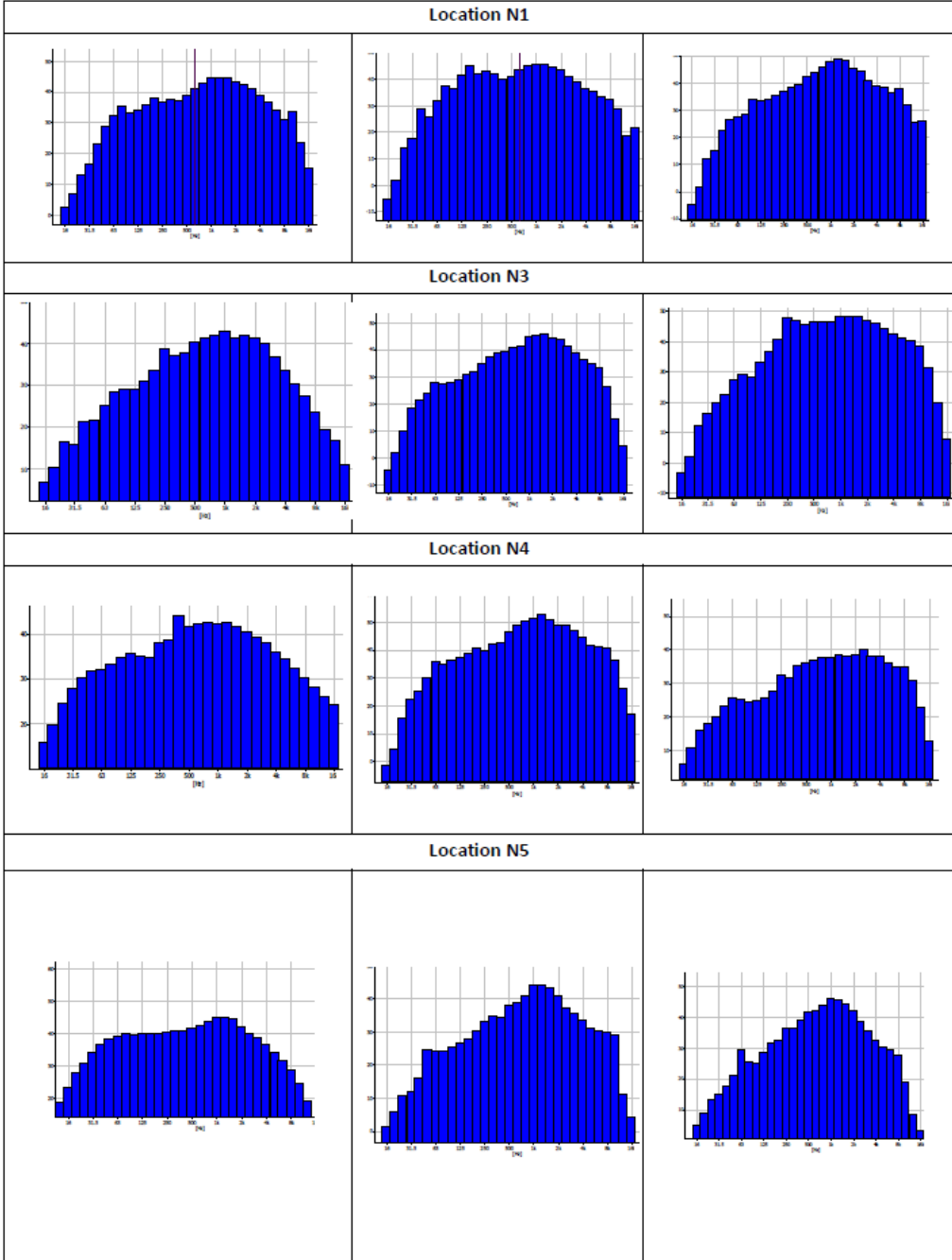
The noise source under investigation for assessing the likelihood of complaints

Tone

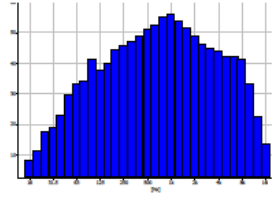
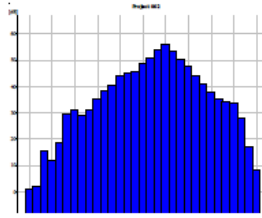
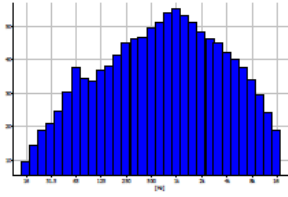
A noise with a narrow frequency composition

Appendix C

1/3 Octave Centre Frequency Data Graphical Representation



Location N6



Appendix VI - AER/PRTR Return 2012

Sheet : Facility ID Activities

AER Returns Workbook

20/3/2013 14:52



| PRTR# : W0072 | Facility Name : Coolcaslagh Transfer Station | Filename : W0072_2012.xls | Return Year : 2012 |

20/03/2013 14:52

[Guidance to completing the PRTR workbook](#)

AER Returns Workbook

Version 1.1.15

REFERENCE YEAR		2012
1. FACILITY IDENTIFICATION		
Parent Company Name	Kerry County Council	
Facility Name	Coolcaslagh Transfer Station	
PRTR Identification Number	W0072	
Licence Number	W0072-01	
Waste or IPPC Classes of Activity		
No.	class_name	
3.12	Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule.	
3.13	Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned is produced.	
4.1	Solvent reclamation or regeneration.	
4.13	Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced.	
4.2	Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes).	
4.3	Recycling or reclamation of metals and metal compounds.	
4.4	Recycling or reclamation of other inorganic materials.	
Address 1	Coolcaslagh	
Address 2	Killarney	
Address 3	Co. Kerry	
Address 4		
Country	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@kerrycoo.ie	
AER Returns Contact Position	Assistant Engineer	
AER Returns Contact Telephone Number	0667162020	
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	0	
Number of Employees	2	
User Feedback/Comments		
Web Address		
2. PRTR CLASS ACTIVITIES		
Activity Number	Activity Name	
5(c)	Installations for the disposal of non-hazardous waste	
5(c)	Installations for the disposal of non-hazardous waste	
50.1	General	
3. SOLVENTS REGULATIONS (S.I. No. 543 of 2002)		
Is it applicable?		
Have you been granted an exemption?		
If applicable which activity class applies (as per Schedule 2 of the regulations)?		
Is the reduction scheme compliance route being used?		
4. 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		

| PRTR# : W0072 | Facility Name : Coolcaslagh Transfer Station | Filename : W0072_2012.xls | Return Year : 2012 |

Page 1 of 1

4.1 RELEASES TO AIR

[Link to previous year's emissions data](#)

[PRTR : W0072] Facility Name : Coolcassagh Transfer Station [Filenames : W0072_2012.xls | Return Year : 2012]

2013/2013 18:53

9

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

POLLUTANT		METHOD			Please enter all quantities in this section in KGs			
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
03	Carbon dioxide (CO2)	E	ESTIMATE	Gas Sim Model	0.0	281000.0	0.0	281000.0
01	Methane (CH4)	E	ESTIMATE	Gas Sim Model	0.0	126000.0	0.0	126000.0

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

SECTION B : REMAINING PRTR POLLUTANTS

POLLUTANT		METHOD			Please enter all quantities in this section in KGs			
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)

POLLUTANT		METHOD			Please enter all quantities in this section in KGs			
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 total methane (CH4) emissions to the environment under 'Total' KG/yr for Section A, Sector specific PRTR pollutants above. Please complete the table below:

Landfill:		Coolcassagh Transfer Station			
Please enter summary data on the quantities of methane flared and / or utilised		M/C/E	Method Used		Facility Total Capacity m3 per hour
			Method Code	Designation or Description	
Total estimated methane generation (as per site model)	T (Total) kg/Year	0.0			N/A
Methane flared		0.0			0.0 (Total Flaring Capacity)
Methane utilised in engines		0.0			0.0 (Total Utilising Capacity)
Net methane emission (as reported in Section A above)		0.0			N/A

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			
No. Annex II	Name	M/C/E	Method Code	Method Used Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
06	Ammonia (NH3)	E	ESTIMATE	Average ammonia read by total quantity of foul water transferred off site for treatment.	9.823	9.823	0.0	0.0

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

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

OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATMENT OR SEWER					Please enter all quantities in this section in KGs			
POLLUTANT		METHOD			QUANTITY			
Pollutant No.	Name	M/C/E	Method Code	Method Used Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
303	BOD	E	ESTIMATE	Average ammonia read by total quantity of foul water transferred off site for treatment.	115.37	115.37	0.0	0.0
306	COO	E	ESTIMATE	Average ammonia read by total quantity of foul water transferred off site for treatment.	209.93	209.93	0.0	0.0
314	Fats, Oils and Greases	E	ESTIMATE	Average ammonia read by total quantity of foul water transferred off site for treatment.	1.1516	1.1516	0.0	0.0
240	Suspended Solids	E	ESTIMATE	Average ammonia read by total quantity of foul water transferred off site for treatment.	47.23	47.23	0.0	0.0

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

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE | PRTR# : W0072 | Facility Name : Cooleaigh Transfer Station | Filename : W0072_2012.xls | Return Year : 2012 |

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Please enter all quantities on this sheet in Tonnes

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Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Hazard Waste: Name and Licence/Permit No. of Facility Non-Hazard Waste: Name and Licence/Permit No. of Recoverer/Disposer	Hazard Waste: Address of Next Destination Facility Non-Hazard Waste: Address of Recoverer/Disposer	Name and Licence / 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	15 01 01	No	71.62	Cardboard	R3	M	Weighed	Offsite in Ireland	Greenstar,WFP-CK-10-0047-02	Sarsfield Court Industrial Estate, ,Glannine, County Cork, Ireland		
Within the Country	15 01 02	No	39.84	plastic packaging	R3	M	Weighed	Offsite in Ireland	Dillon Waste Ltd,WFP-KY-10-001	The Kermies, ,Tralee, County Kerry, Ireland		
Within the Country	15 01 04	No	11.46	metallic packaging	R4	M	Weighed	Offsite in Ireland	Dillon Waste Ltd,WFP-KY-10-001	The Kermies, ,Tralee, County Kerry, Ireland		
Within the Country	20 03 01	No	7.72	ECO SENSE Mixed Recycables	R3	M	Weighed	Offsite in Ireland	Killamey Waste Disposal,W0217-01	Aughaoreen, ,Killamey, County Kerry, Ireland		
Within the Country	15 01 07	No	87.1	glass packaging	R5	M	Weighed	Offsite in Ireland	Dillon Waste Ltd,WFP-KY-10-001	The Kermies, ,Tralee, County Kerry, Ireland		
To Other Countries	16 02 11	Yes	13.91	discarded equipment containing chlorofluorocarbons, HCFC, HFC	R4	M	Weighed	Abroad	KMK Metals,W0113-01	Cappincur Industrial Estate, ,Tullamore, County Offaly, Ireland	EMR,EAML40099,Bentley Road South, ,Darlston,WS10 8LW west Midlands, United Kingdom	Bentley Road South, ,Darlston,WS10 8LW west Midlands, United Kingdom
To Other Countries	16 02 14	No	24.64	discarded equipment other than those mentioned in 16 02 09 to 16 02 13	R4	M	Weighed	Abroad	EWM Ltd, ,WFP-DS-09-0012-01	Estate,Rathoole, County Dublin, Ireland		
Within the Country	20 01 01	No	134.84	News and Pams	R3	M	Weighed	Offsite in Ireland	Dillon Waste Ltd,WFP-KY-10-001	The Kermies, ,Tralee, County Kerry, Ireland		
Within the Country	20 01 11	No	0.08	textiles	R3	M	Weighed	Offsite in Ireland	Textile Recycling Ltd,WPR 014/2	Belgard Road, Tallaght, Dublin, 24, Ireland		
To Other Countries	20 01 21	Yes	0.12	fluorescent 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
To Other Countries	20 01 34	No	0.64	batteries and accumulators other than those mentioned in 20 01 33	R4	M	Weighed	Abroad	EWM Ltd, ,WFP-DS-09-0012-01	Estate,Rathoole, County Dublin, Ireland		
Within the Country	20 01 35	Yes	46.77	discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components	R4	M	Weighed	Offsite in Ireland	EWM Ltd, ,WFP-DS-09-0012-01	Block 648 Jordanstown Drive, Greenogue Industrial Estate, Rathoole, County 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 36	No	25.99	discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35	R4	M	Weighed	Abroad	EWM Ltd, ,WFP-DS-09-0012-01	Block 648 Jordanstown Drive, Greenogue Industrial Estate, Rathoole, County Dublin, Ireland		
Within the Country	20 01 40	No	21.22	metals	R4	M	Weighed	Offsite in Ireland	Hegarty Metals,WFP-LC-11-001-01	Ballysimon Road, ,Limerick, ,Ireland		
Within the Country	20 03 01	No	2409.14	mixed municipal waste	D5	M	Weighed	Offsite in Ireland	North Kerry Landfill,W001-04	Muingnaminate, ,Tralee, County Kerry, Ireland		
To Other Countries	13 02 04	Yes	2.13	mineral-based chlorinated engine, gear and lubricating oils	R9	M	Weighed	Abroad	Enwa,W0184-1	Clonminam Industrial Estate, ,Portlaoise, County Laois, Ireland	Nehlsen GmbH & Co KG,D3330040, ,Bremen, ,Germany	, ,Bremen, ,Germany

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