Kerry County Council



Waste Licence Ref No. W0069-01

REPORT TITLE

Milltown Transfer Station Annual Environmental Report

Reporting Period:

January 2011 – December 2011

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

-

Tab	<u>Page</u>
1	Introduction
2	Reporting Period
3	Waste Activities Carried out at the facility2
4	Quantity and Composition of Waste Received, Disposed and Recovered in 2011
5	Projections of the quantities to be accepted and percentages disposed and recycled/ recovered for the coming year
6	Summary Report on Emissions
7	Summary of Results and Interpretations of Environmental Monitoring6
8	Resource and Energy Consumption Summary
9	Report on Development Works Undertaken during the Reporting Period9
10	Timescale for Proposed Works during the coming year9
11	Schedule of Environmental Objectives and Targets for forthcoming year10
12	Report on Progress towards achievement of the 2010 Environmental Objectives and Targets
13	Summary of Procedures Developed by the Licensee
14	Reported Incidents and Complaints
15	Report on Financial Provision
16	Management and Staffing Structure of the Facility15
17	Programme for Public Information
App	endix I: Waste Collected at Milltown Transfer Station for Recovery/Recycling during reporting period
App	endix II: Results of Foul and Surface Water Monitoring21
App	endix III: Landfill Gas Summary31
App	endix IV: Results of Dust Monitoring32
App	endix V: AER/PRTR Return 201133

1.0 Introduction

Kerry County Council operates a waste transfer and recycling facility at Ballyvirrane, Milltown, Co. Kerry. It is located approximately 2 km south of the town of Milltown on the minor Milltown to Ballyvirrane road.

The principal activity of the Transfer Station is the compaction of solid waste into 30 cubic metre closed containers for subsequent transfer and disposal at North Kerry Landfill.

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 C of Waste Licence W0069-01 issued by the Environmental Protection Agency (EPA).

2.0 Reporting Period

The reporting period for this Annual Environmental Report is 1^{st} January $2011 - 31^{st}$ December 2011.

3.0 Waste Activities Carried out at the Facility

Waste disposal activities carried out at Milltown Transfer Station are in accordance with Part 1 of Waste Licence W0069-01 which outlines the waste disposal activities licensed in accordance with the Third Schedule of the Waste Management Act 1996. Licensed activities include:

- 2 -

- 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 Milltown Transfer Station are in accordance with Part 1 of Waste Licence W0069-01 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.

- 3 -

4.0 Quantity and Composition of Waste Received, Disposed and Recovered: 1st Jan – 31st Dec 2011

Waste tonnage disposed of at Milltown Transfer Station during the reporting year (2011) decreased by 21% on the previous year (2010). This is primarily due to the downturn in the economy.

The weight of the waste accepted into Milltown Transfer Station Facility for disposal for the reporting period was 2,376.86 Tonnes. This comprises of the following breakdown:

Waste for Disposal	Tonnes	
	2011	2010
Municipal waste collected by Local Authority	650.38	870.13
Commercial & Industrial	341.00	467.28
Road Sweepings & Graveyard Waste	84.44	104.68
Flytipping	54.78	75.6
Public Domestic	1,246.26	1,495.67
Total for Disposal	2,376.86	3,013.36

Table 1 Waste Stream breakdown for reporting Period.

The quantity of waste sent for recycling in 2011 was 578.33T which is an increase of 12% in comparison to 2010 following decreases in the previous two years. The main increases were for plastic bottles, cardboard, newspapers and batteries. The reduction in dry recyclables is due to an increase in Kerry County Councils refuse vehicles travelling directly with dry recyclables to the Contractors depot instead of using this site. Waste sent for recycling during the reporting period compared with previous years is outlined in Table 2 below.

- 4 -

- 5 -

Waste for Recycling & Recovery	Tonnages 2008	Tonnages 2009	Tonnages 2010	Tonnages 2011
Metals	64.58	84.0	75.73	59.92
Glass	71.38	78.16	74.92	72.58
Aluminium	Included	2.32	3.06	2.55
Batteries	2.32	8.88	1.45	2.75
Newspapers	166.78	155	149.96	173.32
Cardboard	84.08	85.6	50.48	84.46
Fluorescent Tubes	0.38	0.28	0	0.54
Domestic Hazardous	0.28	0.25est	0	0
Waste				
Plastic Bottles	11.32	10.52	25.78	28.00
Waste Engine Oil	1.25	2.8	0	0
WEEE	326.2	106.02	99.17	98.27
Dry Recyclables	123.7	128.0	104.26 ¹	54.02 ¹
Cooking Oil	0	0.32	0	0
Textiles	0	2.28	2.24	1.92
Total for Recycling/Recovery	852.27	664.43	518.31	578.33

¹Dry recyclables collected in eco sense bags and from KCC kerbside collection trucks

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 for recovery/recycling 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 Milltown Transfer Station will continue to decrease in the next reporting period mainly due to the weak economic environment, increasing landfill charges and the competitive waste industry.

6.0 Summary Report on Emissions for the Reporting Period

a) Foul Water Emissions

The foul water is discharged via a Puraflow Wastewater Treatment Unit and is monitored quaterly. The results are sent to the EPA and are also available at the Milltown facility. No significant exceedances of limits were noted during this reporting period.

b) Surface Water Emissions

Surface water runoff takes place from site roads and uncontaminated surfaces discharges via silt traps to the surface water drains.

c) Waste from Silt Traps and Interceptors

A total of approximately 26.1 Tonnes of silt/sludge were removed during the reporting period from the silt trap and the foul water treatment unit and disposed at the Killorglin Wastewater Treatment plant.

7.0 <u>Summary of Results and Interpretations of Environmental</u> <u>Monitoring</u>

a) Dust monitoring

The dust monitoring results for the reporting period are attached in Appendix IV and were within the dust deposition limits specified in the waste licence. There were no issues with dust during 2011 and no complaints were received in relation to dust at the facility.

b) Noise monitoring

Noise monitoring was carried out at the facility by Southern Scientific Services on the 15th November, 2011. The noise monitoring report is available at the facility and was forwarded separately to the EPA inspector. The report concludes that the noise limit prescribed in the Waste Licence is being met at locations B1 & B5 and that the

- 6 -

exceedences observed at other locations are primarily attributable to traffic. It is also concluded that activities at the waste transfer station are not adversely impacting on the noise environment at the nearest noise sensitive receptors. The waste transfer station does not generate noise at night-time when the facility is closed.

There were no issues with noise during 2011 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.

c) Monitoring of surface water

The surface water monitoring results are attached in Appendix II.

Evidence of contamination is still noted at SW3c and SW4b. However elevated results may be exacerbated due to low flow, stagnant conditions.

Though not required as part of licence conditions Sampling has been resumed at SW8 and at points upstream and downstream of latter. Significant contamination is noted here which would indicate impact from old landfill activities. The drain sampled at SW8 flows eventually into *Keelbrogeen* stream. Recent sampling of latter shows profound contamination, although most of this is due to agricultural activity upstream of landfill. Further investigation will be carried out during 2012 to determine the source of contamination.

d) Foul Water

The foul water emissions results are attached in Appendix II. The results of samples from the foul water emissions exhibited no significant exceedances of limits during the reporting period.

e) Landfill gas

The levels of methane gas and carbon dioxide recorded have reduced significantly $(CH_4 - 9.0\% \text{ v/v}, CO_2 - 3.9\% \text{ v/v} \text{ on } 15/7/11)$ compared to 2008/2009 levels. The landfill gas monitoring results are attached in Appendix III.

- 7 -

8.0 Resource and Energy Consumption Summary

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

8.1 Diesel

The diesel usage for Milltown Transfer Station for the reporting period 2011 was 2,860 litres. This is an increase of 368 litres in comparison with 2010 figures. The primary usage of diesel is for the rubber tyred excavator on site with the remainder used by the oil burner for the steam washer.

8.2 Electricity

The electricity usage for the facility during the reporting period was 11,234 kilowatt hours. This is a decrease of 22% in comparison with 2010 figures.

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 28,000 litres. Water is mainly used on site for power washing yards, transfer station apron and hopper and washing of trucks where required. No surface water or ground water is abstracted.

- 8 -

9 Report on Development Works Undertaken during the Reporting Period

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

10 Proposed Development Works For Forthcoming Year

No development works are proposed at the facility during 2012.

- 9 -

Schedule of Environmental Objectives and Targets for the Forthcoming Year

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

- 10 -

12 Report on Progress towards achievement of the 2010 Environmental Objectives and Targets

Objective	Target	Progress
Keep Surface Water	Regular monitoring &	Ongoing
Emissions within limits	Inspections	
Reduction in Litter on	Regular inspection &	Ongoing
Public Roads to facility	clean up of roads	
Reduction in use of Energy	Reduce quantity of	Ongoing
Resources	diesel and electricity	
	used on site	

- 11 -

13 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 Reported Incidents and Complaints

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

- 12 -

15 Report on Financial Provision

a) Statement of Costs for Waste Operations at Facility

Waste 2011				
Acc	Acc element(T)	EURO		
element				
60030	Wages	44,205.51		
60040	Salaries	8,561.86		
60100	ER PRSI	9,950.80		
60200	Overtime	40,327.55		
60300	Arrears	47.28		
60400	Sick Pay	267.34		
60500	Annual Leave	6,658.98		
60510	Bank Holiday Leave	1,471.71		
60600	Travel/Subsistence	5,840.46		
61990	Other Allowances	1,703.16		
65500	Minor Contracts- Trade Services & other works	32,463.06		
68500	Non-Capital Equip Purchase - Other	414.05		
69200	Repairs & Maint - Plant	396.95		
69400	Transfers from Machinery Yard	3,606.50		
69600	Other Vehicle Expenses	88.00		
70000	Materials	662.14		
70990	Issues from Stores	2,761.46		
70991	Returns to Stores	-297.87		
71000	Insurance	41.18		
73400	Staff Travelling & Subsistence Expenses	3,266.25		
75000	Computer Software and Maintenance Fees	6,314.00		
76000	Communication Expenses	633.21		
77100	Courier	8.40		
78000	Training	344.25		
79900	Consultancy/Professional Fees and Expenses	610.75		
80000	Advertising	1,998.44		
81000	Printing & Office Consumables	470.26		
82100	Statutory Contributions to Other Bodies	6,288.58		
85100	Rates & Other LA Charges	135.39		
86000	Energy	2,759.91		
99050	Refunds	6.61		
	TOTAL	182,006.17		

- 13 -

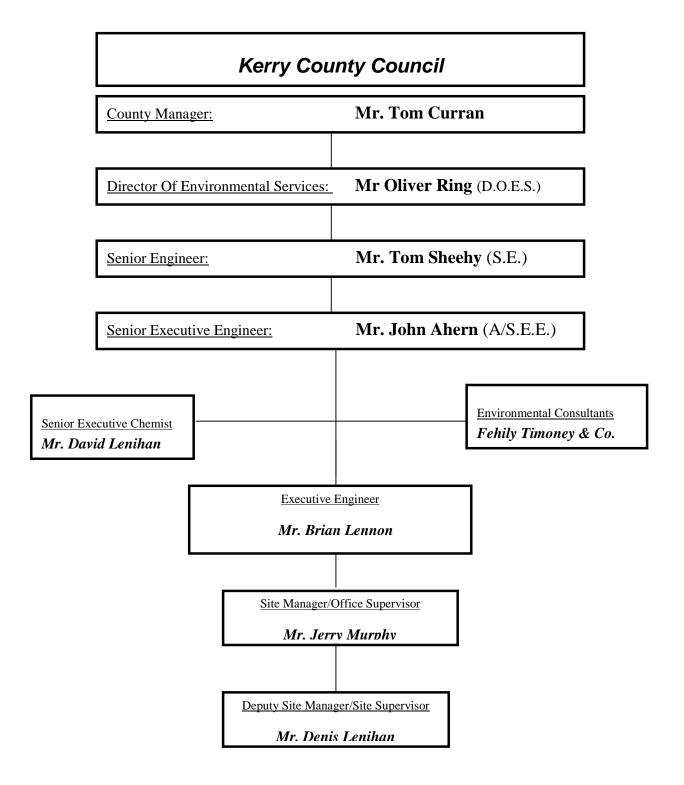
b) Statement of Costs for Recycling Operations at Facility

Recycling 2011

Acc	Acc element(T)	EURO
element		
60030	Wages	7,149.38
60040	Salaries	2,853.87
60100	ER PRSI	1,988.54
60200	Overtime	7,378.87
60300	Arrears	15.76
60400	Sick Pay	1,169.61
60500	Annual Leave	1,589.73
60600	Travel/Subsistence	945.99
61990	Other Allowances	351.09
65500	Minor Contracts- Trade Services & other works	5,887.10
67500	Non-Capital Equip Purchase - Computers	992.00
68500	Non-Capital Equip Purchase - Other	143.80
69200	Repairs & Maint - Plant	28.76
70000	Materials	433.22
73400	Staff Travelling & Subsistence Expenses	1,368.20
76000	Communication Expenses	262.40
77100	Courier	1.60
79900	Consultancy/Professional Fees and Expenses	111.75
81000	Printing & Office Consumables	71.52
82100	Statutory Contributions to Other Bodies	2,695.10
85100	Rates & Other LA Charges	36.71
86000	Energy	441.41
99050	Refunds	-458.58
	TOTAL	35,457.83

- 14 -

16 Management and Staffing Structure at Facility 2011



- 15 -

17 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.

- 16 -

Appendix I - Waste Collected at Milltown Transfer Station for Recovery/Recycling during reporting period

Material type	Suggested EWC Codes	Household Waste	Non- household Waste
(If you must depart from this list, please provide details on a separate sheet)	(overwrite as appropriate)		
mixed residual waste	20 03 01		
organic waste (food and garden) Total	20 01 08; 20 02 01	3.72	-
if segregated, provide specific information on food and garden waste			
food	20 01 08	3.72	
garden	20 02 01	-	
mixed dry recyclables (eco-bags)	15 01 06; 20 03 01	54.02	
cardboard, newspaper and other paper (Total)	15 01 01; 20 01 01	257.78	-
if segregated, provide the breakdown of cardboard and paper in the rows below			
*cardboard packaging	15 01 01	84.46	
cardboard non-packaging	20 01 01	-	
paper packaging	15 01 01	1	
paper non-packaging	20 01 01	-	
*newspaper and magazines	20 01 01	173.32	
glass (Total)	15 01 07; 20 01 02	72.58	-

- 17 -

if segregated, provide the breakdown of glass in the next two rows			
glass packaging(bottles)	15 01 07	72.58	
glass non-packaging(sheet)	20 01 02	-	
metals (Total)	15 01 04; 20 01 40	62.47	ı
if segregated, provide the breakdown of metals in the next four rows			
aluminium cans (packaging)	15 01 04	2.55	
steel cans (packaging)	15 01 04	8.26	
other metal packaging	15 01 04	-	
other metals (non-packaging)(scrap)	20 01 40	51.66	
plastic (Total)	15 01 02; 20 01 39	28.00	-
if segregated, provide the breakdown of plastic waste in the next two rows			
plastic packaging(bottles)	15 01 02	28.00	
plastic non-packaging	20 01 39		
textiles (Total)	15 01 09; 20 01 11	1.92	-
if segregated, provide the breakdown of textiles in the next two rows			
textiles, packaging	15 01 09	-	
textiles, non-packaging	20 01 11	1.92	

- 18 -

wood (Total)	15 01 03; 20 01 38; 20 01 37*	-	-
if segregated, provide the breakdown of wood waste in the next four rows			
wood packaging	15 01 03	-	
wood non-packaging	20 01 38	-	
mixed, uncontaminated wood packaging and non-packaging	15 01 03; 20 01 38	-	
wood, treated, hazardous	20 01 37*	-	
miscellaneous hazardous waste (Total)		2.75	-
small batteries	20 01 34; 20 01 33*	2.75	
lead acid batteries (Car Batteries)	16 06 01*	-	
Ni-Cd batteries and Accumulators	16 06 02*	-	
waste mineral oils (lubrication, vehicle, machine etc.)	13 xx xx	-	
oil filters (vehicles)		-	
oil containers (mineral oil) - plastic + metal		-	
waste cooking or vegetable oils	20 01 25	-	
aerosols	20 03 99	-	
waste paint and varnish (including containers)		-	
WEEE (Total)	various	98.273	-
if segregated, provide the breakdown of WEEE in the next five rows			

- 19 -

fridges and freezers	20 01 35*; 20 01 36; 16 02 11*;	15.556	
	16 02 14		
white goods (electrical and electronic)	20 01 36; 16 02 14	27.100	
televisions and PC monitors	20 01 35*; 16 02 13*;	22.906	
ICT- Information and Communications Technology Equipment, e.g Includes Computer Equipment	16 02 14	4.476	
other electrical and electronic equipment, eg. White Goods incl. Washing Machines, Dryersetc, TVs, PCs, Small Items incl. toasters Radios	20 01 36; 20 01 35*	28.235	
Gas Cylinders		-	
C& D Rubble		1	
fluorescent tubes and lighting	20 01 21*	0.54	
Tyres	16 01 03	-	
Ink Cartridges	08 01 11		
bulky waste (provide summary below of waste types), e.g. Furniture, Mattresses, Mixed Bulky Waste	20 03 07	-	

- 20 -

Annual Environmental Report Milltown Transfer Station W0069-01 Milltown Transfer Station W0069-01

Appendix II - Results of Foul and Surface Water Monitoring

Attn: Brian Lennon EE Waste Management Monday, 30 April 2012

Re: LABORATORY Results for Milltown Transfer stations: Jan 2011to Jan2012

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

Evidence of contamination are still been noted at SW3c and SW4b. However elevated results may be exacerbated due to low flow, stagnant conditions.

Though not required as part of licence conditions Sampling has been resumed at SW8 and at points upstream and downstream of latter. Significant contamination is noted here which would indicate impact from old landfill activities. The drain sampled at SW8 flows eventually into *Keelbrogeen* stream. Recent sampling of latter shows profound contamination, although most of this is due to agricultural activity upstream of landfill. Further investigation is underway

Results of samples from foul emissions exhibited no significant exceedances of limits during this reporting period

David Lenihan MSc

Senior Executive Chemist

Appendix1: Details Sampling points referred to in report					
<u>Location</u>	<u>comments</u>	old or alternative name	<u>Location</u> <u>Easting</u>	Location Northing	
Surface water					
Off site sampling pts					
Sw8	Drain d/s of landfill on main road		83018.5	98692.1	
Manhole at SW8	Leachate collection point		101840.8	91649	
u//s SW8	Upstream of manhole at SW8		101794.7	91628.4	
d/s SW8	Downstream of manhole at SW8		100842.9	91303.3	
On site sampling pts					
Sw1	Drain NE of reception building inside perimeter fence		83018.5	98692.1	
SW2	Mid way alongside Western drain inside perimeter fence		83053.4	98800	
SW3a	Drain d/s from outfall from treatment plant		83087	98733	
SW3c	Drain d/s of SW3a outside perimeter fence		83098.1	98785.1	
<u>Leachate</u>					
<u>Lagoon sampling</u> <u>pts</u>					
FE 1		Effluent from transfer station	83066.4	98728	

Landfill	Location	Eastings	Northings	Sample Reference	Sample Date	Sample Time	Ammonium (NH4)	Н	BOD (02)	Conductivity @ 20 oC	Chemical Oxygen Demand (O2)	Chloride (CI)	Dissolved Oxygen (O2)	Suspended Solids	Temperature	Faecal Coliforms	Total Coliforms
							mg/l	pH units	mg/l	μS/cm	mg/l	mg/l	mg/I	mg/l	Degrees C	no./100mls	no./100mls
Milltown Milltown	Sw1 Sw1	83018.5 83018.5	98692.1 98692.1	2010/0197 2010/1488	20-Jan-10 08-Apr-10	11:20 15:25	< 0.02 < 0.02	6.8 8.1	1.1 1.9	120 160	40 42	13 6	10.1 13.9	5 2	2.4 12.3		
Milltown Milltown Milltown Milltown	Sw2 Sw2 Sw2 Sw2	83053.4 83053.4 83053.4 83053.4	98800 98800 98800 98800	2003/0142 2003/1914 2003/3650 2003/5454	15-Jan-03 16-Apr-03 09-Jul-03 01-Oct-03	11:25 11:40 11:45 14:15	0.1 < 0.02 < 0.02 0.06	6.2 6.3 6.4 6.6	< 1 1.3 3.1 9.4	209 186 207 232	14 23 10 36	33 29.5 31.5 45	7.3 7.9 6.6 4.2	2 4 5 121	7.1 14.2 16.4 12.5	10	7701
Milltown Milltown Milltown Milltown Milltown	Sw2 Sw2 Sw2 Sw2 Sw2	83053.4 83053.4 83053.4 83053.4 83053.4	98800 98800 98800 98800 98800	2004/0469 2004/1697 2004/3707 2004/5206 2005/0378	28-Jan-04 14-Apr-04 21-Jul-04 06-Oct-04 19-Jan-05	12:46 11:10 14:09 11:10 15:17	< 0.02 < 0.02 0.05 0.11 0.05	5.5 6.2 6.6 5.8 6.3	2.6 4.3 7.1 1.7	208 171 222 181 212	21 25 70 65 31	32 29 30 34	10.6 6.9 4.5 3.7 7.1	12 16 38 5 33	6.3 11.1 16.1 11 10.5	70	2419
Milltown Milltown Milltown Milltown Milltown	Sw2 Sw2 Sw2 Sw2 Sw2	83053.4 83053.4 83053.4 83053.4 83053.4	98800 98800 98800 98800 98800	2005/1910 2005/3596 2005/5369 2006/0498 2006/1666	19-Apr-05 14-Jul-05 18-Oct-05 31-Jan-06 20-Apr-06	10:14 11:42 12:01 11:38 13:46	< 0.02 0.05 0.21 < 0.02 < 0.02	6.1 6.5 6.5 6	> 8 14.2 8.3 2.6 1.5	222 223 285 203 184	99 184 59 23 36	35 44 33 30 27	11.5 2.8 5 8.8 6.7	65 130 12 18 7	6.4 17.5 12.5 2.5 10.7	687	24190
Milltown	Sw2	83053.4	98800	2006/3663	03-Aug- 06	14:50	0.17	6.4	14.3	251	156	37	2.7	89	16.2		

Sw2	83053.4	98800	2006/4998	12-Oct-06	14:30	0.08	5.4	3	207	330	22.5	5.7	18	14.7	28	39726
Sw2	83053.4	98800	2007/0621	01-Feb-07	11:23	< 0.02	5.4	2.2	204	75	31	6.2	43	9.9		
Sw2	83053.4	98800	2007/1943	17-Apr-07	14:20	0.04	6.3	3.7	180	45	29	9.1	31	16.8		
Sw2	83053.4	98800	2007/3899	19-Jul-07	11:42	0.43	6.8	73	269	1286	28	< 1	1785	16.8		
Sw2	83053.4	98800	2007/5809	25-Oct-07	13:40	0.04	6.1	2.4	204	49	29	9.1	18	9.3	2	> 2419
Sw2	83053.4	98800	2008/0017	03-Jan-08	09:48	0.04	6	1	179	33	31	6.2	16	5.6		
Sw2	83053.4	98800	2008/1608	03-Apr-08 04-Nov-	10:45	0.04	5.9	1.4	190	17	28	6.9	9	12.5		
Sw2	83053.4	98800	2008/5850	08	15:00	0.11	6.1	5.5	175	86	29.5	6.7	86	8.8	148	<i>580</i>
Sw2	83053.4	98800	2009/0086	07-Jan-09	14:20	< 0.02	7.2	2.9	205	28	32	5.7	31	5.3	0	205
Sw2	83053.4	98800	2009/1943	07-Apr-09	11:15	0.04	6	1.9	164	41	28.5	4.3	20	10		
Sw2	83053.4	98800	2009/5153	01-Oct-09	10:32	0.12	6.2	3.4	190	27	31	1.9	418	12.9		
Sw2	83053.4	98800	2010/0198	20-Jan-10	10:55	< 0.02	5.8	2.1	131	38	23	7.9	21	4		
Sw2	83053.4	98800	2010/1484	08-Apr-10	14:20	< 0.02	6	5.5	154	57	21	11.9	28	12.3		
Sw2	83053.4	98800	2010/3119	14-Jul-10	15:05	0.18	6.5	16.5	157	185	20	5.4	116	14.1	432	214300
Sw2	83053.4	98800	2010/4732	12-Oct-10	14:20	0.04	6.3	14	206	117	26.5	3.2	82	12.2		
Sw2	83053.4	98786	2011/0330	19-Jan-11	11:55	0.03	6	2.3	170	17	27	8.5	14	2.6		
Sw2	83053.4	98786	2011/2000	20-Apr-11	10:55	< 0.02	6	9	166	50	24	7.8	49	11.4		
Sw2	83053.4	98786	2011/3419	27-Jul-11	15:15	0.09	6.5	> 6	275	92	27.6	4.9	38	17.9		15530
Sw2	83053.4	98786	2011/4684	18-Oct-11	11:20	0.05	6	2.5	162	46	27.3	3.8	9	10.4		
Sw2	83053.4	98786	2012/0449	25-Jan-12	11:20	0.05	5.6	4.5	128	48	21.8	8.1	28	9.4		
								_								
Sw3a	83101.3	98726.3	2003/0143	15-Jan-03	11:00	0.51	64		248	88	33.5	8 4	33	77		
				•			-									
							7								156	> 24190
							6.2									
							-			<				-		
Sw3a	83101.3	98726.3	2004/1698	14-Apr-04	10:48	< 0.02	6.4		216	10		8.7	1	11		
Sw3a	83101.3	98726.3	2004/3708	21-Jul-04	14:22	0.05	6.7	5.6	238	22	26	4.8	21	16.8	365	14140
Sw3a	83101.3		2004/5207	06-Oct-04	10:50	< 0.02	6.5	1.3	215		26	4.6	15			
Sw3a	83101.3	98726.3	2005/0379	19-Jan-05	15:07	< 0.02	6.2	< 1	207	14	32	7.9	4	10.1		
Sw3a	83101.3	98726.3	2005/1911	19-Apr-05	09:52	< 0.02	6.4	5.2	191	23	26	9.5	30	10		
Sw3a	83101.3	98726.3		14-Jul-05	11:56	0.11	6.4	14.5	236	73	30	2.9	214	17		
Sw3a	83101.3	98726.3	2005/5370	18-Oct-05	12:14	0.15	6.8	3.8	264	24	24	4.4	22	13.4	345	5480
	Sw2	Sw2 83053.4 Sw	Sw2 83053.4 98800 Sw2 83053.4 98786 Sw3 83101.3 98726.3 Sw3a 83101.3 98726.3 Sw3a 83101.3 <td< td=""><td>Sw2 83053.4 98800 2007/0621 Sw2 83053.4 98800 2007/1943 Sw2 83053.4 98800 2007/5809 Sw2 83053.4 98800 2008/0017 Sw2 83053.4 98800 2008/1608 Sw2 83053.4 98800 2008/5850 Sw2 83053.4 98800 2009/0086 Sw2 83053.4 98800 2009/1943 Sw2 83053.4 98800 2009/1943 Sw2 83053.4 98800 2009/1943 Sw2 83053.4 98800 2010/0198 Sw2 83053.4 98800 2010/1484 Sw2 83053.4 98800 2010/4732 Sw2 83053.4 98786 2011/2000 Sw2 83053.4 98786 2011/2000 Sw2 83053.4 98786 2011/2000 Sw2 83053.4 98786 2011/2000 Sw2 83053.4 98786 <td< td=""><td>Sw2 83053.4 98800 2007/0621 01-Feb-07 Sw2 83053.4 98800 2007/1943 17-Apr-07 Sw2 83053.4 98800 2007/5809 25-Oct-07 Sw2 83053.4 98800 2008/0017 03-Jan-08 Sw2 83053.4 98800 2008/1608 03-Apr-08 Sw2 83053.4 98800 2008/5850 08 Sw2 83053.4 98800 2009/0086 07-Jan-09 Sw2 83053.4 98800 2009/1943 07-Apr-09 Sw2 83053.4 98800 2009/1943 07-Apr-09 Sw2 83053.4 98800 2010/198 20-Jan-10 Sw2 83053.4 98800 2010/1484 08-Apr-10 Sw2 83053.4 98800 2010/3119 14-Jul-10 Sw2 83053.4 98800 2010/4732 12-Oct-10 Sw2 83053.4 98786 2011/0330 19-Jan-11 Sw2 83053.4 <</td><td>Sw2 83053.4 98800 2007/0621 01-Feb-07 11:23 Sw2 83053.4 98800 2007/1943 17-Apr-07 14:20 Sw2 83053.4 98800 2007/5809 25-Oct-07 13:40 Sw2 83053.4 98800 2008/0017 03-Jan-08 09:48 Sw2 83053.4 98800 2008/1608 03-Apr-08 09:48 Sw2 83053.4 98800 2008/5850 08 15:00 Sw2 83053.4 98800 2009/0086 07-Jan-09 14:20 Sw2 83053.4 98800 2009/1943 07-Apr-09 11:15 Sw2 83053.4 98800 2009/1943 07-Apr-09 11:15 Sw2 83053.4 98800 2010/0198 20-Jan-10 10:55 Sw2 83053.4 98800 2010/0198 20-Jan-10 10:55 Sw2 83053.4 98800 2010/0198 20-Jan-10 10:55 Sw2 83053.4 9880</td><td>Sw2 83053.4 98800 2007/0621 01-Feb-07 11:23 < 0.02</td> Sw2 83053.4 98800 2007/1943 17-Apr-07 14:20 0.04 Sw2 83053.4 98800 2007/3899 19-Jul-07 11:42 0.43 Sw2 83053.4 98800 2008/017 03-Jan-08 09:48 0.04 Sw2 83053.4 98800 2008/1608 03-Apr-08 09:48 0.04 Sw2 83053.4 98800 2008/1608 03-Apr-08 10:45 0.04 Sw2 83053.4 98800 2008/5850 08 15:00 0.11 Sw2 83053.4 98800 2009/1098 07-Apr-09 11:15 0.02 Sw2 83053.4 98800 2009/5153 01-Oct-09 10:32 0.12 Sw2 83053.4 98800 2010/1484 08-Apr-10 14:20 0.02 Sw2 83053.4 98800 2010/3119 14-Jul-10 15:05 0.18</td<></td><td>Sw2 83053.4 98800 2007/0621 01-Feb-07 11:23 < 0.02 5.4 Sw2 83053.4 98800 2007/1943 17-Apr-07 14:20 0.04 6.3 Sw2 83053.4 98800 2007/5809 19-Jul-07 11:42 0.43 6.8 Sw2 83053.4 98800 2008/0017 03-Jan-08 09:48 0.04 6 Sw2 83053.4 98800 2008/1608 03-Apr-08 10:45 0.04 6 Sw2 83053.4 98800 2008/5850 08 15:00 0.11 6.1 Sw2 83053.4 98800 2009/0986 07-Jan-09 14:20 < 0.02</td> 7.2 Sw2 83053.4 98800 2009/1943 07-Apr-09 11:15 0.04 6 Sw2 83053.4 98800 2010/1484 08-Apr-10 10:55 < 0.02</td<>	Sw2 83053.4 98800 2007/0621 Sw2 83053.4 98800 2007/1943 Sw2 83053.4 98800 2007/5809 Sw2 83053.4 98800 2008/0017 Sw2 83053.4 98800 2008/1608 Sw2 83053.4 98800 2008/5850 Sw2 83053.4 98800 2009/0086 Sw2 83053.4 98800 2009/1943 Sw2 83053.4 98800 2009/1943 Sw2 83053.4 98800 2009/1943 Sw2 83053.4 98800 2010/0198 Sw2 83053.4 98800 2010/1484 Sw2 83053.4 98800 2010/4732 Sw2 83053.4 98786 2011/2000 Sw2 83053.4 98786 2011/2000 Sw2 83053.4 98786 2011/2000 Sw2 83053.4 98786 2011/2000 Sw2 83053.4 98786 <td< td=""><td>Sw2 83053.4 98800 2007/0621 01-Feb-07 Sw2 83053.4 98800 2007/1943 17-Apr-07 Sw2 83053.4 98800 2007/5809 25-Oct-07 Sw2 83053.4 98800 2008/0017 03-Jan-08 Sw2 83053.4 98800 2008/1608 03-Apr-08 Sw2 83053.4 98800 2008/5850 08 Sw2 83053.4 98800 2009/0086 07-Jan-09 Sw2 83053.4 98800 2009/1943 07-Apr-09 Sw2 83053.4 98800 2009/1943 07-Apr-09 Sw2 83053.4 98800 2010/198 20-Jan-10 Sw2 83053.4 98800 2010/1484 08-Apr-10 Sw2 83053.4 98800 2010/3119 14-Jul-10 Sw2 83053.4 98800 2010/4732 12-Oct-10 Sw2 83053.4 98786 2011/0330 19-Jan-11 Sw2 83053.4 <</td><td>Sw2 83053.4 98800 2007/0621 01-Feb-07 11:23 Sw2 83053.4 98800 2007/1943 17-Apr-07 14:20 Sw2 83053.4 98800 2007/5809 25-Oct-07 13:40 Sw2 83053.4 98800 2008/0017 03-Jan-08 09:48 Sw2 83053.4 98800 2008/1608 03-Apr-08 09:48 Sw2 83053.4 98800 2008/5850 08 15:00 Sw2 83053.4 98800 2009/0086 07-Jan-09 14:20 Sw2 83053.4 98800 2009/1943 07-Apr-09 11:15 Sw2 83053.4 98800 2009/1943 07-Apr-09 11:15 Sw2 83053.4 98800 2010/0198 20-Jan-10 10:55 Sw2 83053.4 98800 2010/0198 20-Jan-10 10:55 Sw2 83053.4 98800 2010/0198 20-Jan-10 10:55 Sw2 83053.4 9880</td><td>Sw2 83053.4 98800 2007/0621 01-Feb-07 11:23 < 0.02</td> Sw2 83053.4 98800 2007/1943 17-Apr-07 14:20 0.04 Sw2 83053.4 98800 2007/3899 19-Jul-07 11:42 0.43 Sw2 83053.4 98800 2008/017 03-Jan-08 09:48 0.04 Sw2 83053.4 98800 2008/1608 03-Apr-08 09:48 0.04 Sw2 83053.4 98800 2008/1608 03-Apr-08 10:45 0.04 Sw2 83053.4 98800 2008/5850 08 15:00 0.11 Sw2 83053.4 98800 2009/1098 07-Apr-09 11:15 0.02 Sw2 83053.4 98800 2009/5153 01-Oct-09 10:32 0.12 Sw2 83053.4 98800 2010/1484 08-Apr-10 14:20 0.02 Sw2 83053.4 98800 2010/3119 14-Jul-10 15:05 0.18</td<>	Sw2 83053.4 98800 2007/0621 01-Feb-07 Sw2 83053.4 98800 2007/1943 17-Apr-07 Sw2 83053.4 98800 2007/5809 25-Oct-07 Sw2 83053.4 98800 2008/0017 03-Jan-08 Sw2 83053.4 98800 2008/1608 03-Apr-08 Sw2 83053.4 98800 2008/5850 08 Sw2 83053.4 98800 2009/0086 07-Jan-09 Sw2 83053.4 98800 2009/1943 07-Apr-09 Sw2 83053.4 98800 2009/1943 07-Apr-09 Sw2 83053.4 98800 2010/198 20-Jan-10 Sw2 83053.4 98800 2010/1484 08-Apr-10 Sw2 83053.4 98800 2010/3119 14-Jul-10 Sw2 83053.4 98800 2010/4732 12-Oct-10 Sw2 83053.4 98786 2011/0330 19-Jan-11 Sw2 83053.4 <	Sw2 83053.4 98800 2007/0621 01-Feb-07 11:23 Sw2 83053.4 98800 2007/1943 17-Apr-07 14:20 Sw2 83053.4 98800 2007/5809 25-Oct-07 13:40 Sw2 83053.4 98800 2008/0017 03-Jan-08 09:48 Sw2 83053.4 98800 2008/1608 03-Apr-08 09:48 Sw2 83053.4 98800 2008/5850 08 15:00 Sw2 83053.4 98800 2009/0086 07-Jan-09 14:20 Sw2 83053.4 98800 2009/1943 07-Apr-09 11:15 Sw2 83053.4 98800 2009/1943 07-Apr-09 11:15 Sw2 83053.4 98800 2010/0198 20-Jan-10 10:55 Sw2 83053.4 98800 2010/0198 20-Jan-10 10:55 Sw2 83053.4 98800 2010/0198 20-Jan-10 10:55 Sw2 83053.4 9880	Sw2 83053.4 98800 2007/0621 01-Feb-07 11:23 < 0.02	Sw2 83053.4 98800 2007/0621 01-Feb-07 11:23 < 0.02 5.4 Sw2 83053.4 98800 2007/1943 17-Apr-07 14:20 0.04 6.3 Sw2 83053.4 98800 2007/5809 19-Jul-07 11:42 0.43 6.8 Sw2 83053.4 98800 2008/0017 03-Jan-08 09:48 0.04 6 Sw2 83053.4 98800 2008/1608 03-Apr-08 10:45 0.04 6 Sw2 83053.4 98800 2008/5850 08 15:00 0.11 6.1 Sw2 83053.4 98800 2009/0986 07-Jan-09 14:20 < 0.02	Sw2 83053.4 98800 2007/0621 01-Feb-07 11:23 < 0.02 5.4 2.2 Sw2 83053.4 98800 2007/1943 17-Apr-07 14:20 0.04 6.3 3.7 Sw2 83053.4 98800 2007/5899 19-Jul-07 11:42 0.43 6.8 73 Sw2 83053.4 98800 2008/017 03-Jan-08 09:48 0.04 6.1 1 Sw2 83053.4 98800 2008/1608 03-Apr-08 10:45 0.04 5.9 1.4 Sw2 83053.4 98800 2009/086 07-Jan-09 14:20 < 0.02	Sw2 83053.4 98800 2007/10621 01-Feb-07 11:23 < 0.02 5.4 2.2 204 Sw2 83053.4 98800 2007/1943 17-Apr-07 14:20 0.04 6.3 3.7 180 Sw2 83053.4 98800 2007/5809 25-Oct-07 13:40 0.04 6.1 2.4 204 Sw2 83053.4 98800 2008/1608 03-Apr-08 09:48 0.04 6 1 179 Sw2 83053.4 98800 2008/1608 03-Apr-08 10:45 0.04 6 1 179 Sw2 83053.4 98800 2008/1608 03-Apr-08 10:45 0.04 5.9 1.4 190 Sw2 83053.4 98800 2009/1086 07-Jan-09 14:20 <0.02	Sw2 83053.4 98800 2007/0621 01-Feb-07 11:23 < 0.02 5.4 2.2 204 75 Sw2 83053.4 98800 2007/1943 17-Apr-07 14:20 0.04 6.3 3.7 180 45 Sw2 83053.4 98800 2007/5809 25-Oct-07 11:42 0.43 6.8 73 269 1286 Sw2 83053.4 98800 2008/0017 03-Jan-08 09:48 0.04 6 1 179 33 Sw2 83053.4 98800 2008/1608 03-Apr-08 10:45 0.04 6 1 179 33 Sw2 83053.4 98800 2008/6850 08 15:00 0.11 6.1 5.5 175 86 Sw2 83053.4 98800 2009/1943 07-Apr-09 11:15 0.04 6 1.9 164 41 Sw2 83053.4 98800 2010/0198 20-Jan-10 10:55 <	Sw2 83053.4 98800 2007/0621 01-Feb-07 11:23 < 0.02 5.4 2.2 204 75 31 Sw2 83053.4 98800 2007/1943 17-Apr-07 14:20 0.04 6.3 3.7 180 45 29 Sw2 83053.4 98800 2007/5809 25-Oct-07 13:40 0.04 6.1 2.4 204 49 29 Sw2 83053.4 98800 2008/017 03-Jan-08 09:48 0.04 6 1 179 33 31 Sw2 83053.4 98800 2008/1660 03-Apr-08 10:45 0.04 6.1 1.79 33 31 Sw2 83053.4 98800 2008/5850 08 15:00 0.01 6.1 5.5 175 86 29.5 Sw2 83053.4 98800 2009/086 07-Jan-09 14:20 0.02 7.2 29 205 28 32 Sw2 83	SW2 83053.4 98800 2007/0621 01-Feb-07 11:23 < 0.02 5.4 2.2 204 75 31 6.2 SW2 83053.4 98800 2007/1989 19-Jul-107 11:20 0.04 6.3 3.7 180 45 29 9.1 SW2 83053.4 98800 2007/5809 25-Oct-07 13:40 0.04 6.1 2.4 204 49 29 9.1 SW2 83053.4 98800 2008/1060 03-Apr-08 10:45 0.04 6.1 1.7 90 17 28 6.9 SW2 83053.4 98800 2008/5850 08 15:00 0.11 6.1 5.5 175 86 29.5 6.7 SW2 83053.4 98800 2009/1943 07-Apr-09 11:15 0.04 6 1.9 164 41 28.5 4.3 SW2 83053.4 98800 2010/198 20-Jan-10 10:55 < 0.02	SW2 83053.4 98800 2007/0621 01-Feb-07 11:23 < 0.02 5.4 2.2 204 75 31 6.2 43 SW2 83053.4 98800 2007/1943 17-Apr-07 14:20 0.43 6.8 73 269 1286 28 1 31 SW2 83053.4 98800 2007/18699 25-Oct-07 13:40 0.04 6.1 2.4 204 49 29 9.1 18 SW2 83053.4 98800 2008/1608 03-Apr-08 10-45 0.04 6.1 1.79 33 31 6.2 16 Sw2 83053.4 98800 2008/1608 03-Apr-08 10-45 0.04 6.5 1.4 190 17 28 6.9 9 Sw2 83053.4 98800 2008/1608 07-Jan-09 14:20 <0.02 7.2 2.9 205 28 32 5.7 31 Sw2 83053.4 98800 <td>Sw2 83053.4 98800 2007/0621 01-Feb-07 11:23 <0.02 5.4 2.2 204 75 31 6.2 43 9.9 Sw2 83053.4 98800 2007/3999 19-Jul-07 14:20 0.04 6.3 3.7 180 45 29 9.1 31 16.8 Sw2 83053.4 98800 2007/5899 25-Oct-07 13:40 0.04 6.1 2.4 204 49 29 9.1 18 9.3 Sw2 83053.4 98800 2008/1608 03-Apr-08 10:45 0.04 6.1 1.7 13 3.1 6.2 1.6 5.6 Sw2 83053.4 98800 2008/6850 08 15:00 0.11 6.1 5.5 175 86 29.5 6.7 86 8.8 Sw2 83053.4 98800 2009/6680 07-Apr-09 11:15 0.04 6 1.9 164 41 28.5 4.3</td> <td> Sw2 83053.4 98800 2007/0621 01-Feb-07 11:23 Sw2 83053.4 98800 2007/3899 19-Jul-07 11:42 0.43 6.8 73 269 1286 28 Sw2 83053.4 98800 2007/8999 19-Jul-07 11:42 0.43 6.8 73 269 1286 28 Sw2 83053.4 98800 2007/8999 25-Oct-07 13:40 0.04 6.1 2.4 204 49 29 9.1 18 9.3 2 2.5 </td>	Sw2 83053.4 98800 2007/0621 01-Feb-07 11:23 <0.02 5.4 2.2 204 75 31 6.2 43 9.9 Sw2 83053.4 98800 2007/3999 19-Jul-07 14:20 0.04 6.3 3.7 180 45 29 9.1 31 16.8 Sw2 83053.4 98800 2007/5899 25-Oct-07 13:40 0.04 6.1 2.4 204 49 29 9.1 18 9.3 Sw2 83053.4 98800 2008/1608 03-Apr-08 10:45 0.04 6.1 1.7 13 3.1 6.2 1.6 5.6 Sw2 83053.4 98800 2008/6850 08 15:00 0.11 6.1 5.5 175 86 29.5 6.7 86 8.8 Sw2 83053.4 98800 2009/6680 07-Apr-09 11:15 0.04 6 1.9 164 41 28.5 4.3	Sw2 83053.4 98800 2007/0621 01-Feb-07 11:23 Sw2 83053.4 98800 2007/3899 19-Jul-07 11:42 0.43 6.8 73 269 1286 28 Sw2 83053.4 98800 2007/8999 19-Jul-07 11:42 0.43 6.8 73 269 1286 28 Sw2 83053.4 98800 2007/8999 25-Oct-07 13:40 0.04 6.1 2.4 204 49 29 9.1 18 9.3 2 2.5

											<						
Milltown	Sw3a	83101.3	98726.3	2006/0499	31-Jan-06	11:48	< 0.02	6.3	1.4	216	10	27	6.6	15	7.6		
Milltown	Sw3a	83101.3	98726.3	2006/1668	20-Apr-06	13:57	< 0.02	6.2	1	198	< 10	26	6	4	11		
Milltown	Sw3a	83101.3	98726.3	2006/3664	03-Aug- 06	15:05	1.58	6.5	20	374	206	50.5	2.2	102	19.3		
Milltown	Sw3a	83101.3	98726.3	2006/3004	12-Oct-06	14:00	0.05	6.2	2.3	215	117	26	3.4	22	15.9	31060	> 48390
Milltown	Sw3a	83101.3	98726.3	2000/4999	01-Feb-07	11:32	< 0.03	5.8	< 1	221	13	29	6.8	2	9.8	37000	> 40390
Milltown	Sw3a	83101.3	98726.3	2007/0022	17-Apr-07	14:00	0.16	6.4	> 8	262	85	33	8.6	62	13.9		
Milltown	Sw3a	83098.1	98785.1	2007/1944	17-Apr-07 19-Jul-07	11:23	0.10	6.8	17	269	152	29	< 1	96	17.4		
Milltown	Sw3a	83101.3	98726.3	2007/5300	25-Oct-07	14:30	0.02	6.2	8.3	202	145	31	5.5	92	11.3	1986	> 2419
Milltown	Sw3a	83101.3	98726.3	2008/0018	03-Jan-08	10:11	0.13	6	< 1	211	20	30.5	4.7	12	7.8	7300	22413
Milltown	Sw3a	83101.3	98726.3	2008/1609	03-Apr-08	10:50	< 0.02	5.9	4.6	210	24	29	8.9	35	12		
· · · · · · · · · · · · · · · · · · ·	Onoa	00101.0	00720.0	2000/1000	00 / 101 00	10.00	10.02	0.0	1.0	2.0	<	20	0.0	•			
Milltown	Sw3a	83101.3	98726.3	2008/3686	17-Jul-08	10:32	0.06	6.6	1	222	10	26.5	4.6	5	15.8		
Millianus	Cura	00404.0	00700 0	2000/5054	04-Nov-	15.10	0.4	•	20.4	205	222	20		250	40.4	400	42724
Milltown	Sw3a	83101.3	98726.3	2008/5851	80	15:10	0.1	6	30.4	205	232	29	5.5	259	10.1	402	13734
Milltown	Sw3a	83101.3	98726.3	2009/0087	07-Jan-09	14:00	< 0.02	7.1	< 1	218	10	30	5.6	2	8.6	4	187
Milltown	Sw3a	83101.3	98726.3	2009/1942	07-Apr-09	11:09	0.09	6.1	3	209	41	26	1.2	29	10.8		
Milltown	Sw3a	83101.3	98726.3	2009/3603	08-Jul-09	14:54	0.45	7.7	5.5	363	79	21	10.3	22	23.1		
Milltown	Sw3a	83101.3	98726.3	2009/5154	01-Oct-09	10:40	0.2	6.2	3.1	228	34	30	2	327	13.9		
Milltown	Sw3a	83101.3	98726.3	2010/0199	20-Jan-10	10:43	0.03	6	2.1	219	14	34	2.8	2	6.1		
Milltown	Sw3a	83101.3	98726.3	2010/1485	08-Apr-10	14:30	0.03	6.1	5.8	180	56	24.5	9.4	18	12		
Milltown	Sw3a	83101.3	98726.3	2010/3120	14-Jul-10	15:10	0.69	6.6	16.3	132	46	16	3.4	30	15.4	82300	2419600
Milltown	Sw3a	83101.3	98726.3	2010/4733	12-Oct-10	14:30	0.78	6.6	15.6	257	227	28	3.7	160	11.9		
Milltown	Sw3a	83087	98733	2011/0331	19-Jan-11	11:45	0.03	6.1	1.3	237	22	43	5.1	1	7.1		
Milltown	Sw3a	83087	98733	2011/2001	20-Apr-11	11:15	< 0.02	6.1	37.4	229	187	38	6.5	153	13.3		
Milltown	Sw3a	83087	98733	2011/3420	27-Jul-11	15:00	0.08	6.6	7.3	212	109	28.6	5.7	23	19.1		> 24196
												_					
Milltown	Sw3a	83087	98733	2011/4685	18-Oct-11	11:12	0.18	6	4.2	254	61	< 0.5	3.9	66	11.7		
Milltone	00=	02007	00700	2042/0450	05 lon 10	44.40	0.04	6	2.5	158	36	25	6.8	12	9.6		
Milltown	Sw3a	83087	98733	2012/0450	25-Jan-12	11:10	0.04	O	2.5	130	30	25	0.0	12	9.0		
Milltown	Sw3c	83098.1	98785.1	2003/0144	15-Jan-03	11:20	11.3	7.1	> 8	448	43	37.5	8	23	7.1		
Milltown	Sw3c	83098.1	98785.1	2003/1916	16-Apr-03	11:25	11	6.8	2.5	387	24	31.5	9.3	9	15.5		
Milltown	Sw3c	83098.1	98785.1	2003/3652	09-Jul-03	11:53	12.8	7	25.7	436	29	34.5	2.2	29	16.7		
Milltown	Sw3c	83098.1	98785.1	2003/5456	01-Oct-03	14:35	27.8	7.4	2	648	27	44	4.9	17	13.2	0	2755
Milltown	Sw3c	83098.1	98785.1	2004/0471	28-Jan-04	13:12	13	6.8	8.5	488	32	40	7.3	12	7.8		

Milltown	Sw3c	83098.1	98785.1	2004/1699	14-Apr-04	10:52	6.91	6.9	3.6	378	22		6.9	9	11.3		
Milltown	Sw3c	83098.1	98785.1	2004/3709	21-Jul-04	14:46	13.1	6.8	3.4	470	44	32.5	2.5	69	15.6	7	> 2419
Milltown	Sw3c	83098.1	98785.1	2004/5208	06-Oct-04	11:00	7.38	7.2	1.4	361	35	32	3.5	6	11.7		
Milltown	Sw3c	83098.1	98785.1	2005/0380	19-Jan-05	14:52	7.56	6.8	< 1	416	24	39.5	4.9	4	10.6		
Milltown	Sw3c	83098.1	98785.1	2005/1912	19-Apr-05	10:29	3.96	7	1.4	292	45	30	8.6	68	9.6		
Milltown	Sw3c	83098.1	98785.1	2005/3598	14-Jul-05	12:11	6.56	7	3.4	394	30	33	4.9	48	17.5		
Milltown	Sw3c	83098.1	98785.1	2005/5371	18-Oct-05	12:22	4.81	7.1	1.4	364	19	29	5.7	3	12.5	161	9800
Milltown	Sw3c	83098.1	98785.1	2006/0500	31-Jan-06	11:37	8.25	6.7	< 1	401	13	31	4.7	5	6		
Milltown	Sw3c	83098.1	98785.1	2006/1669	20-Apr-06 03-Aug-	14:05	4.56	6.7	< 1	349	11	32	5.2	2	10.6		
Milltown	Sw3c	83098.1	98785.1	2006/3665	06 ິ	15:12	6.82	6.7	3.8	500	23	34.5	1.9	84	18.8		
Milltown	Sw3c	83098.1	98785.1	2006/5000	12-Oct-06	14:10	4.35	6.7	3.8	347	260	26.5	4.4	24	15.5	> 48390	> 48390
Milltown	Sw3c	83098.1	98785.1	2007/0623	01-Feb-07	11:40	0.09	6.5	< 1	439	18	33	5	4	9.9		
Milltown	Sw3c	83098.1	98785.1	2007/1945	17-Apr-07	13:50	5.33	6.6	2.9	373	24	31	6.3	17	15		
Milltown	Sw3c	83094.9	98829.5	2007/3901	19-Jul-07	12:02	5.11	6.8	3.2	368	51	25	3.2	118	17.6		
Milltown	Sw3c	83098.1	98785.1	2007/5811	25-Oct-07	13:55	3.64	6.6	4	285	61	30	4.8	83	12.1	2419	> 2419
Milltown	Sw3c	83098.1	98785.1	2008/0019	03-Jan-08	10:19	6.22	6.6	17.6	403	59	38.5	5.1	86	7.2		
Milltown	Sw3c	83098.1	98785.1	2008/1610	03-Apr-08	10:55	3.02	6.5	1.2	318	29	32	4.5	32	12.3		
Milltown	Sw3c	83098.1	98785.1	2008/3687	17-Jul-08 04-Nov-	10:36	5.05	7	< 1	329	18	30	5.8	7	15.7		
Milltown	Sw3c	83098.1	98785.1	2008/5852	08	15:20	1.24	6.2	2	232	22	28	6.5	10	10.1	126	1968
Milltown	Sw3c	83098.1	98785.1	2009/0088	07-Jan-09	14:10	1.09	6	1.4	253	11	30	6.6	2	7.2	9	1986
Milltown	Sw3c	83098.1	98785.1	2009/1944	07-Apr-09	11:28	0.33	6.5	10.5	232	110	28.5	10.3	12	11		
Milltown	Sw3c	83098.1	98785.1	2009/3604	08-Jul-09	15:36	0.06	6.8	13.5	234	136	24	6.3	302	19.4		
Milltown	Sw3c	83098.1	98785.1	2009/5155	01-Oct-09	11:05	0.15	6.3	1.5	233	14	28	5.1	70	13.8		
Milltown	Sw3c	83098.1	98785.1	2010/0200	20-Jan-10	11:00	0.08	6.1	1.4	218	17	40	3.4	2	7		
Milltown	Sw3c	83098.1	98785.1	2010/1486	08-Apr-10	14:45	0.02	6.1	< 1	191	33	22	5.4	2	10.3		
Milltown	Sw3c	83098.1	98785.1	2010/3121	14-Jul-10	15:35	1.9	6.7	5.5	269	77	30	2.2	22	15.2	11588	98800
Milltown	Sw3c	83098.1	98785.1	2010/4734	12-Oct-10	14:45	1.02	6.8	1.8	328	66	25.5	5.6	5	12.5		
Milltown	Sw3c	83098.1	98785.1	2011/0332	19-Jan-11	12:00	< 0.02	6.1	3.1	246	37	47	4.6	27	7		
Milltown	Sw3c	83098.1	98785.1	2011/2002	20-Apr-11	11:25	< 0.02	6.2	19.7	305	129	60	4.8	120	11.6		
Milltown	Sw3c	83098.1	98785.1	2011/3421	27-Jul-11	15:40	0.52	6.4	4.7	302	33	50.7	2.7	22	18		173290
Milltown	Sw3c	83098.1	98785.1	2011/4686	18-Oct-11	11:40	0.8	6.5	4.4	383	49	76.5	3.8	22	11.6		
Milltown	Sw3c	83098.1	98785.1	2012/0451	25-Jan-12	11:45	0.14	6.2	1.5	239	20	29	4.2	2	9.5		
Milltown	Sw4b	83094.9	98829.5	2003/0145	15-Jan-03	11:30	< 0.02	6.4	< 1	202	19	32.5	7.4	2	7.9		

Milltown	Sw4b	83094.9	98829.5	2003/1917	16-Apr-03	11:45	0.14	6.4	7.4	180	71	28	4.4	80	15.8		
Milltown	Sw4b	83094.9	98829.5	2003/3653	09-Jul-03	12:02	< 0.02	6.7	17	243	325	30	6.6	341	14.4		
Milltown	Sw4b	83094.9	98829.5	2003/5457	01-Oct-03	14:40	6.71	7.2	1.9	460	39	40	4.9	31	13.4	0	7701
Milltown	Sw4b	83094.9	98829.5	2004/0472	28-Jan-04	13:25	13	7	14.4	506	41	44	4.4	7	6.8		
Milltown	Sw4b	83094.9	98829.5	2004/1700	14-Apr-04	10:57	4.38	7	20.6	373	21		3	9	10.9		
Milltown	Sw4b	83094.9	98829.5	2004/5209	06-Oct-04	11:03	5.35	7	1.5	372	33	32	2.8	3	11.4		
Milltown	Sw4b	83094.9	98829.5	2005/0381	19-Jan-05	14:30	6.88	6.9	< 1	422	26	45	3.7	2	10.5		
Milltown	Sw4b	83094.9	98829.5	2005/1913	19-Apr-05	10:40	< 0.02	7	3	286	77	32	7	82	8.4		
Milltown	Sw4b	83094.9	98829.5	2005/3599	14-Jul-05	12:20	0.07	7.1	24.9	381	223	42	4.8	282	17		
Milltown	Sw4b	83094.9	98829.5	2005/5372	18-Oct-05	12:31	0.45	7.1	1.4	324	20	32	5.2	7	12.9	7	<i>5790</i>
Milltown	Sw4b	83094.9	98829.5	2006/0501	31-Jan-06	11:45	4.75	7.2	< 1	403	11	31	3.6	< 1	4.8		
Milltown	Sw4b	83094.9	98829.5	2006/1670	20-Apr-06 03-Aug-	14:11	0.25	6.9	< 1	337	52	32	4	3	10.4		
Milltown	Sw4b	83094.9	98829.5	2006/3666	06 ິ	15:24	0.29	7.2	6.9	394	69	37	1.9	90	17.2		
Milltown	Sw4b	83094.9	98829.5	2006/5001	12-Oct-06	14:20	1.88	6.9	2.5	365	225	32	3.9	8	15.1	> 48390	> 48390
Milltown	Sw4b	83094.9	98829.5	2007/0624	01-Feb-07	11:45	4.39	6.7	< 1	412	27	31	5.1	< 1	9.7		
Milltown	Sw4b	83094.9	98829.5	2007/1946	17-Apr-07	14:10	0.03	6.8	1.2	338	27	31	6.4	7	13.5		
Milltown	Sw4b	83094.9	98829.5	2007/3902	19-Jul-07	12:10	0.29	6.8	15	235	493	29	3.5	480	16.4		
Milltown	Sw4b	83094.9	98829.5	2007/5812	25-Oct-07	14:15	2.37	6.2	2.7	300	20	33	6.9	4	11.5	272	> 2419
Milltown	Sw4b	83094.9	98829.5	2008/0020	03-Jan-08	10:25	3.65	6.9	10.6	380	27	37	4.2	4	7.5		
Milltown	Sw4b	83094.9	98829.5	2008/1611	03-Apr-08	11:05	0.27	6.1	1.5	314	15	33	4.2	2	11.9		
Milltown	Sw4b	83094.9	98829.5	2008/3688	17-Jul-08 04-Nov-	10:40	3.06	7.2	< 1	286	17	30	9.9	6	17.4		
Milltown	Sw4b	83094.9	98829.5	2008/5853	08	15:30	0.03	5.8	1.1	189	23	28	5.4	2	9.5	4	96
Milltown	Sw4b	83094.9	98829.5	2009/0089	07-Jan-09	14:40	< 0.02	5.9	< 1	207	16	30	3.6	4	6.1	0	48
Milltown	Sw4b	83094.9	98829.5	2009/1945	07-Apr-09	11:40	0.13	6.6	2.2	222	33	26	9.5	18	11		
Milltown	Sw4b	83094.9	98829.5	2009/5156	01-Oct-09	11:15	0.51	6.2	7.8	295	123	39	5.9	3000	12.9		
Milltown	Sw4b	83094.9	98829.5	2010/0201	20-Jan-10	11:11	0.99	6.7	5.5	296	58	23	4.2	101	4.9		
Milltown	Sw4b	83094.9	98829.5	2010/1487	08-Apr-10	14:50	< 0.02	6.3	2	182	37	24	9.1	6	10.8		
Milltown	Sw4b	83094.9	98829.5	2010/3122	14-Jul-10	15:50	0.48	6.7	6.4	198	59	20	2.9	7	15.2	4106	38550
Milltown	Sw4b	83094.9	98829.5	2010/4735	12-Oct-10	15:00	0.39	6.4	11.2	258	99	24.5	2.2	71	13		
Milltown	Sw4b	83116	98869	2011/0333	19-Jan-11	12:10	0.03	6.5	< 1	229	20	43	8.4	< 1	6		
Milltown	Sw4b	83116	98869	2011/2003	20-Apr-11	11:35	< 0.02	6.5	4.5	263	71	51	7.2	105	11.2		
Milltown	Sw4b	83116	98869	2011/3422	27-Jul-11	15:30	< 0.02	6.7	< 1	261	12	42.5	5.9	3	15.9		2419
Milltown	Sw4b	83116	98869	2011/4687	18-Oct-11	11:55	0.59	6.5	2.8	248	52	32.1	4.3	18	10.4		
Milltown	Sw4b	83116	98869	2012/0452	25-Jan-12	11:35	0.03	6.7	1.2	205	34	28	8	3	9.4		

Milltown Milltown	u/s SW8 u/s SW8	83089.5 83089.5	98605.2 98605.2	2011/1580 2011/2005	04-Apr-11 20-Apr-11	12:20 11:50	0.04 0.15	7.1	> 8 9.6	216	131 85	32 30	9.3 8.7	66 36	10.8 12.9		
Milltown	u/s SW8	83089.5	98605.2	2011/4689	18-Oct-11	12:07	0.22	6.9	1.7	329	81	49.8	4.1	5	10.3		
Milltown Milltown Milltown	Sw8 Sw8 Sw8	83033 83033 83033	98594.6 98594.6 98594.6	2011/1582 2011/2004 2011/3423	04-Apr-11 20-Apr-11 27-Jul-11	11:55 12:00 16:00	36.9 72 56	7 7.2	4.1 14.3 13.5	1292 1026	190 136 67	59 88 69.2	8.6 3.8 2.4	36 506 64	11.3 12 16.9	866	50
Milltown Milltown	D/S SW8 D/S SW8	82971.2 82971.2	98495.7 98495.7	2011/1581 2011/2006	04-Apr-11 20-Apr-11	12:25 12:35	14 17.7	7.6	4.9 22	665	59 74	51 59	5.6 4.6	19 58	11.5 11.7		
Milltown	D/S SW8	82971.2	98495.7	2011/4690	18-Oct-11	12:18	15.3	7.6	1.6	646	57	65.4	4.2	6	9.7		
Milltown	D/S SW8 (manhole 1) D/S SW8 (manhole	82971.2	98495.7	2011/2225	13-May- 11 13-May-	12:15	120	7.4	5.4	1806	111						
Milltown	2)	82971.2	98495.7	2011/2226	11	12:15	232	7.3	10.5	2660	222						

Table 1 Surface Water Monitoring Results

Landfill	Location	Sample Reference	Sample Date	Sample Time	Ammonium (NH4)	Ħ	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	Descriptive	Descriptive
Milltown	Fe1	2003/0155	15-Jan- 03	11:15	9.8	5.3	954	1000	1428	105		70		Sour/Sharp/Acidic
Milltown	Fe1	2003/1918	16-Apr- 03	12:00	0.8	7	9.5	219	31	21	15.3	9		musty
Milltown	Fe1	2003/3654	09-Jul- 03 01-Oct-	12:00	37.4	7.3	18.9	602	64	12	20.8	3.5		Slightly oily
Milltown	Fe1	2003/5458	01-Oct- 03 28-Jan-	15:00	22.3	7.4	10.1	474	50	17.5	16	2		earthy odour
Milltown	Fe1	2004/0482	04 14-Apr-	13:30	4.89	6.6	3.6	216	62	8	7.8	15		earthy
Milltown	Fe1	2004/1701	04 21-Jul-	10:40	0.02	7	1.3	355	36	< 1	11	9		NoneDetected
Milltown	Fe1	2004/3710	04 06-Oct-	14:52	0.02	6.4	1.9	250	48	1	16.9	1.5		NoneDetected
Milltown	Fe1	2004/5210	04 19-Jan-	10:37	0.02	6.8	< 1	252	23	< 1	13.4	6		NoneDetected
Milltown	Fe1	2005/0382	05 19-Apr-	14:40	0.14	6.9	< 1	379	19	2	10	1		NoneDetected
Milltown	Fe1	2005/1909	05 14-Jul-	12:56	< 0.02	7.1	< 1	233	27	< 1	11	9.5		NoneDetected
Milltown	Fe1	2005/3600	05 13-Oct-	12:35	3.62	6.8	22.7	416	81	14	16.5	1.2	no vioual	Anaerobic/Sewage
Milltown	Fe1	2005/5323	05	15:12	0.46	6.9	1.8	385	35	1	13.6	< 1	no visual evidence	NoneDetected
Milltown	Fe1	2006/0512	31-Jan- 06	13:46	0.05	6.7	< 1	395	48	22	8	< 1	no visual evidence	NoneDetected
Milltown	FE1	2006/1671	20-Apr- 06	14:20	0.08	6.6	1.4	294	35	1	11.5	1.2		NoneDetected
Milltown	Fe1	2006/3667	03-Aug-	15:33	4.3	6.7	22	1068	96	17	18.7	9		sl. sewage

			06											
Milltown	Fe1	2006/5002	12-Oct- 06	14:40	4.58	6.6	57	554	328	35	16.1	8		NoneDetected
Milltown	Fe1	2007/0625	01-Feb- 07	11:58	3.49	6.4	3.5	498	163	101	9.6	3		Peaty
Milltown	Fe1	2007/1947	17-Apr- 07	14:30	7.78	6.9	10.5	431	41	16	13.5	3		ND
Milltown	Fe1	2007/3908	19-Jul- 07 25-Oct-	11:07	0.59	6.6	6.3	343	48	12	16.4	6.8		N/D
Milltown	Fe1	2007/5814	07 03-Jan-	13:30	8.75	6.5	3.8	488	222	11	13.5	10		V. sl.musty
Milltown	Fe1	2008/0021	08 03-Apr-	09:39	0.7	6.8	3.7	300	40	21		16		N/D
Milltown	Fe1	2008/1612	08 28-Jul-	10:35	0.18	6.7	2.3	341	60	7		6.3	no visual	N/D
Milltown	Fe1	2008/3926	08 25-Nov-	10:55	1	7.2	5.4	442	90	90	14	< 2	evidence	None
Milltown	Fe1	2008/6327	08 27-Jan-	15:15	0.06	7.3	2.3	737	70	34	10	33.6		ND
Milltown	Fe1	2009/0507	09 07-Apr-	16:15	0.02	6.9	< 1	880	67	26	7.8	3.2		ND
Milltown	Fe1	2009/1941	09 01-Sep-	11:00	3.88	6.8	8.8	328	70	20	10.4	2.5		slightly,oily
Milltown	Fe1	2009/4592	09 26-Nov-	15:30	0.02	7.3	1.9	874	123	54	15.9	19.3	no visual	ND
Milltown	Fe1	2009/6067	09 08-Apr-	15:00	0.02	7.2	2.7	679	81	12		< 2	evidence no visual	ND
Milltown	Fe1	2010/1489	10 22-Apr-	14:15	0.02	6.8	1.7	222	58	7	10.3	< 2	evidence no visual	ND
Milltown	Fe1	2010/1732	10 14-Jul-	10:52	1.88	6.4	1.1	363	49	4	9.5	< 2	evidence	None Sl.
Milltown	Fe1	2010/3124	10 18-Oct-	15:15	3.58	6.7	17.6	294	86	5	15.5	2.1		sewage(ammonia)
Milltown	Fe1	2010/4822	10 19-Jan-	16:30	5.65	7.6	4.2	416	38	20		189	no visual	ND
Milltown	Fe1	2011/0334	11 20-Apr-	11:35	0.81	6.9	1.9	602	37	2	6.5	< 2	evidence no visual	ND
Milltown	Fe1	2011/2007	11 27-Jul-	11:10	1.59	7.2	5.1	644	69	15	13	< 2	evidence No visual	ND
Milltown	Fe1	2011/3424	11 18-Oct-	15:10	9.62	6.8	31.3	882	137	18	17.5	•	evidence No visual	leachate odour
Milltown	Fe1	2011/4688	11 25-Jan-	11:03	15.1	6.7	117	2460	182	23	12.3	< 2 <	evidence No visual	ND
Milltown	Fe1	2012/0453	12	11:05	5.68	6.7	8.6	814	42	< 1	9.8	0.5	evidence	ND

Table 2 Foul Water Monitoring Results

Appendix III - Landfill Gas Summary

Milltown Waste Transfer Station

Monitoring of Landfill Gas Levels

Date	Ref.	CH ₄	CO_2	O_2	Atm. Pressure	Temperature
		% v/v	% v/v	% v/v	Mbar	Degrees Celsius
6/10/08	L1	19.6	6.4	7.8	1005	13
	L2	24.7	10.3	6.1	1005	13
11/5/09	L1	22.6	8.7	6.8	1008	17
	L2	18.1	8.2	6.4	1008	17
3/12/09	L1	24.2	7.8	7.1	1004	7
	L2	19.6	10.2	8.6	1004	7
20/4/10	L1	3.4	1.7	17.8	1015	14
30/3/11	L1	2.6	0.6	19.6	999	12
		·				
15/7/11	L1	9.0	3.9	18.1	1004	17

Note: L2 is no longer monitored as agreed with EPA

Appendix IV - Results of Dust Monitoring



OUR REF: RP 2011 | KERRY COUNTY COUNCIL - MILLTOWN | 03

PAGE 1 [1]

ANAL	YSIS REPORT	
KERRY COUNTY COUNCIL	SAMPLE TYPE:	DUST
Environment Section, Main Street, Tralec, County Kerry	CONDITION OF SAMPLE ON RECEIPT:	Satisfactory
,,,	DATE SAMPLED:	26 September - 28 October 2011
BRIAN LENNON	DATE RECEIVED:	28 October 2011
Customer	DATE ANALYSED:	04 - 11 November 2011
MILLTOWN	DATE REPORTED;	14 November 2011
Charles R. S. A. (10)	WORK NO.:	25542 C
	KERRY COUNTY COUNCIL Environment Section, Main Street, Traice, County Kerry BRIAN LENNON Customer	Unvironment Section, Main Street. Traice, County Kerry BRIAN LENNON Customer MILLTOWN PRANSEER STATION CONDITION OF SAMPLE ON RECEIPT: DATE SAMPLED: DATE RECTIVED: DATE ANALYSED: DATE REPORTED;

TABLE OF RESULTS

MUTHOD:	LAB REF:	YOUR REFE	TOTAL PARTICULATES mg/m²/day	INORGANIC PARTICULATES mg/m²/day
SCP 039	C11-Oct 582	Station 1	139	46
SCP 039	O11-Get 583	Station 2	89	84
SCP 039	OH-Oct 584	Station 3	110	39

Kuren 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.

durring | Killarney : county kerry | ireland | telephone =353 (0)64 6633922 | fax +353 (0)64 6639922 | wob_site | www.snuthernscientificireland.com | e-mail_info@southernscientificireland.com

directors: K. Murphy, M. Murphy & C. Murphy registered in iroland no 323196 wat regino IE 6343196 M

Appendix V - AER/PRTR Return 2011

Sheet: Facility ID Activities AER Returns Workbook 29/6/2012 14:28



| PRTR# : W0069 | Facility Name : Milltown Transfer Station | Filename : W0069 AER PRTR 2011 V3.xls | Return Year : 2011 |

Guidance to completing the PRTR workbook

AER Returns Workbook

Version 1.1.1

REFERENCE YEAR 2011

1. FACILITY IDENTIFICATION	
Parent Company Name	Kerry County Council
Facility Name	Milltown Transfer Station
PRTR Identification Number	W0069
Licence Number	W0069-01

Waste or IPPC Classes of Activity	
No.	class_name
	Repackaging prior to submission to any activity referred to in a
3.12	preceding paragraph of this Schedule.
	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.
	Storage of waste intended for submission to any activity referred to
	in a preceding paragraph of this Schedule, other than temporary
	storage, pending collection, on the premises where such waste is
4.13	produced.
	Recycling or reclamation of organic substances which are not used
	as solvents (including composting and other biological
	transformation processes).
	Recycling or reclamation of metals and metal compounds.
	Recycling or reclamation of other inorganic materials.
	Ballyvirrane
Address 2	
Address 3	Co Kerry
Address 4	
	Kerry
Country	
Coordinates of Location	
River Basin District	
NACE Code	
	Treatment and disposal of non-hazardous waste
AER Returns Contact Name	
AER Returns Contact Email Address	
AER Returns Contact Position	
AER Returns Contact Telephone Number	
AER Returns Contact Mobile Phone Number	
AER Returns Contact Fax Number	
Production Volume	
Production Volume Units	
Number of Installations	0

| PRTR# : W0069 | Facility Name : Milltown Transfer Station | Filename : W0069 AER PRTR 2011 V3.xls | Return Year : 2011 | Page 1 of 2

Sheet: Facility ID Activities AER Returns Workbook 29/6/2012 14:2

Number of Operating Hours in Year	0
Number of Employees	0
User Feedback/Comments	
Web Address	

2. PRTR CLASS ACTIVITIES

Activity Number	Activity Name
50.1	General
50.1	General

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

	Is it applicable?	No
I	Have you been granted an exemption?	No
ſ	If applicable which activity class applies (as per	
ı	Schedule 2 of the regulations) ?	
ſ	Is the reduction scheme compliance route being	
l	used ?	

Sheet: Releases to Air AER Returns Workbook 2916/2012 14:30

4.1 RELEASES TO AIR Link to previous years emissions data

| PRTR# : W0089 | Facility Name : Millown Transfer Station | Filename : W0089 AER PRTR 2011 V3.de | Return Year : 2011 |

29/06/2012 14:30

SECTION A: SECTOR SPECIFIC PRTR POL	LUTANTS							
	RELEASES TO AIR				Please enter all quantities	In this section in KGs		
	POLLUTANT			METHOD			QUANTITY	
				Method Used				
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					0.0	0.	0.0	0.0
					0.0	0.	0.0	0.0

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

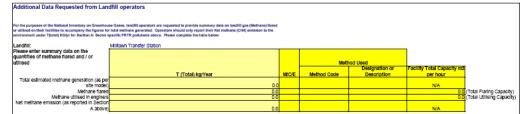
SECTION B: REMAINING PRTR POLLUTANTS

-		RELEASES TO AIR				Please enfor all quantities	in this section in KCs		
		POLLUTANT			METHOD	Troudo officer all qualificació	ar and obtain at the	QUANTITY	
- 1					Method Used				
	No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
1	13	Carbon dioxide (CO2)	С	OTH	GasSim V1.54	0.0	190000.0	0.0	190000.0
	01	Methane (CH4)	C	OTH	GasSim V1.54	0.0	128000.0	0.0	128000.0
		* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button							

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

	RELEASES TO AIR				Please enter all quantities	s in this section in KG	3	
	POLLUTANT			METHOD			QUANTITY	
				Method Used				
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					0.0		0.0	0.0

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



Sheet : Releases to Waters AER Returns Workbook 29/0/2012 14:31

4.2 RELEASES TO WATERS	Link to previous years emissions data	PRTR#:	W0069 Facility Nam	e : Miltown Transfer Station Filenam	e: W0069 AER PRTR 2011 V3.	xis Return Year : 2011		29/06/2012 14:31
SECTION A : SECTOR SPECIFIC PRTR PO		Data on ar	mblent monitoring o	f storm/surface water or groundw				R / PRTR Reporting as this
	RELEASES TO WATERS				Please enter all quantitie	es in this section in KG	S	
Pi	DLLUTANT						QUANTITY	
				Method Used				
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					0	0.0	0.0	0.0
	" Select a row by double-clicking on the Pollutant Name (Column)	B) then click t	he delete button					

SECTION B: REMAINING PRTR POLLUTANTS

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

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

SECTION C: REMAINING FOLLUTANT EMI							
	RELEASES TO WATERS			Please enter all quantities	in this section in KC	5	
PO	LLUTANT					QUANTITY	
			Method Used				
Pollutant No.	Name	M/C/E	Method Code Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
				0.0	0.0		0.0

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

Sheet : Releases to Wastewater or Sewer AER Returns Workbook 29/6/2012 14:32

4.3 RELEASES TO WASTEWATER OR SEWER Link to previous years emissions data | PRTR#: W00059 | Facility Name: Millionn Transfer Station | Piername: W00059 AER PRTR 2011 V 2.86 2005/2012 14:32

SECTION A : PRTR POLLUTANTS

	OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR W	VASTE-WATER TRE	ATMENT OR SEWI	ER	Please enter all quantities i	in this section in KGs		
	POLLUTANT		MI	ETHOD			QUANTITY	
			Method Used					
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
	· · · · · · · · · · · · · · · · · · ·				0.0		0 00	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			ER	Please enter all quantities in this section in KGs				
	POLLUTANT		Mi	ETHOD			QUANTITY		
			Method Used						
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year	
					0.0)	0 00	0.0	

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

Link to previous years emissions data Page 1 of 1

 Sheet : Releases to Land
 AER Returns Workbook
 29/8/2012 14:32

4.4 RELEASES TO LAND Lin

Link to previous years emissions data

| PRTR# : W0069 | Facility Name : Milliown Transfer Blation | Flename : W0069 AER PRTR 2011 V3.xis | Return Year : 2011 |

29/06/2012 14:32

SECTION A: PRTR POLLUTANTS

	RELEASES TO LAND				Please enter all quantities	in this section in KGs	
POLLUTANT		METHOD			QUANTITY		
	Method Used						
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year
					0.0	0.	0.0
	* Select a row by double-clicking on the Pollutant Name (Column 6						

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

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

* Select a row by double-clicking on the Pollutant Name (Column 8) then click the delete button

Sheet: Treatment Transfers of Waste 29/6/2012 14:32 AER Returns Workbook

									Haz Warte: Name and	AND AND ADDRESS OF THE PARTY.		
	European Waste	Hazardous	Quantity (Tonnes per Year)	r Description of Waste		Method Used			Licence/Ferret No of Next Destination Facility <u>Son Har Waste</u> . Name and Licence/Ferret No of Recover/Clapseer	Destrution Facility Non-risz Waste Address of Recover/Disposer	Name and Donne / Permit No. and Address of Final Recovery / Dispose (HAZARDOUS WASTE ONLY)	Actual Address of Final Destination Le. Final Recovey / Disposal Site (HAZARDQUS WASTE ONLY)
Transfer Destination					Waste Treatment Operation	M/C/E	Method Used	Location of Treatment				
		i describeration		THE RESIDENCE OF THE PARTY OF T		and transport		- Attended	THE SOURCE SERVICES	Aughacureen, Killamey		
Within the Country	20 01 08	No	3.72	blodegradable kitchen and canteen waste	R3	М	Weighed	Offsite in Ireland		Waste Disposal Ltd., County Kerry, Ireland Aughacureen, , Killamey		
Within the Country	15 01 06	No	54.02	mixed packaging	R3	м	Weighed	Offsite In Ireland		Waste Disposal Ltd., County Kerry, Ireland Sarsfield Court Industrial		
Within the Country	15 01 01	No	84.46	paper and cardboard packaging	R3	M	Weighed	Offsite in Ireland		Estate, Glanmire, County Cork, Ireland		
Within the Country	20 01 01	No	173.32	paper and cardboard	R3	M	Weighed	Offsite In Ireland	Dillon Waste Ltd,WFP KY 10 001	Kerry, Ireland Unit 4 Osberstown Business		
Within the Country	15 01 07	No	72.58	glass packaging	R5	М	Weighed	Offsite in Ireland		Kildare, Ireland Unit 4 Osberstown Business Park, Carrach		
Mithin the Country	15 01 04	No	10.81	metallic packaging	R4	М	Weighed	Offsite in Ireland		Klidare, Ireland		
Within the Country	20 01 40	No	51.66	metals	R4	M	Weighed	Offsite in Ireland		Road, Limerick, Ireland		
Within the Country	15 01 02	No	28.0	plastic packaging	R3	M	Weighed	Offsite In Ireland	Ollon Waste Ltd,WFP KY 10 001	The Kerries, Traise, County Kerry, Ireland Belgard		
Mithin the Country	20 01 11	No	1.92	textiles	R3	М	Weighed	Offsite in Ireland	Textile Recycling Ltd.,WPR- 014/2			
o Other Countries	20 01 34	No	2.75	batteries and accumulators other than those mentioned in 20 01 33	R4	М	Weighed	Abroad	EWM Ltd,WFP-DS-09-0012- 01			
o Other Countries	16 02 11	Yes	15.56	discarded equipment containing chlorofluorocarbons, HCFC, HFC discarded electrical and electronic	R4	М	Weighed	Abroad	KMK Metals, W0113-01	Offaly, Ireland Cappincur Industrial	EMR.EAML40099,Dariast on,United Kingdom	Darlaston, United Kingdom
Mithin the Country	20 01 36	No	27.1	equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35	R4	М	Weighed	Offsite in Ireland	KMK Metals, W0113-01	Estate, Tuliamore, County Offaly, Ireland	200	
				discarded electrical and electronic equipment other than those mentioned in 20 01 21 and and 20 01 23 containing					EWM Ltd,WFP-DS-09-0012-	Estate, Rathooole, County	Park, Commons, Duleek, Coun.	
Vithin the Country	20 01 35	Yes	22.91	hazardous components	R4	M.	Weighed	Offsite In Ireland	01	Dublin, ireland Block 648 Jordanstown Drive, Greenogue Industrial	ty Meath, Ireland	ty Meath, Ireland
o Other Countries	16 02 14	No	4.48	discarded equipment other than those mentioned in 16 02 09 to 16 02 13 discarded electrical and electronic	R4	М	Weighed	Abroad	EVM Ltd,WFP-DS-09-0012- 01	Estate, Rathooole, County Dublin, Ireland Block 648 Jordanstown Drive, Greenogue Industrial		
To Other Countries	20 01 36	No	28.24	equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35	R4	М	Weighed	Abroad	EWM Ltd,WFP-DS-09-0012- 01			
				fluorescent tubes and other mercury-							Alba Service GmbH & Co. KG,E56657020,Kanaistrasse	Kanaistrasse
o Other Countries	20 01 21	Yes	0.54	containing waste	R5	M	Weighed	Abroad	KMK Metals,W0113-01	Offaly, Ireland	64, Rheine, 48432, Germany	
Within the Country	20.03.01	No	2376 86	mixed municipal waste	D5	м	Weighed	Offsite in Ireland	North Kerry Landfill,W001-04	Mulngnaminnane, Tralee, Co unity Kerry Ireland		