

SOUTH TIPPERARY COUNTY COUNCIL



WALLER'S LOT RECYCLING CENTRE & WASTE TRANSFER STATION ANNUAL ENVIRONMENTAL REPORT

2013

Waste Licence Register No. W0200-01

Prepared by:

South Tipperary County Council
Emmet Street
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May 2014

TABLE OF CONTENTS

	PAGE
1. INTRODUCTION.....	1
1.1. SCOPE AND PURPOSE OF THE REPORT.....	1
1.2. SITE LOCATION.....	1
1.2.1. <i>Site Contacts</i>	1
1.3. ENVIRONMENTAL POLICY	2
2. WASTE ACTIVITIES.....	4
2.1 WASTE QUANTITY AND COMPOSITION.....	5
3. MONITORING AND EMISSIONS	6
3.1. DUST MONITORING.....	6
3.1.1. <i>Dust Monitoring Results</i>	6
3.2. NOISE MONITORING.....	8
3.3 SURFACEWATER MONITORING	9
3.4 WASTEWATER MONITORING	10
3.5 GROUNDWATER MONITORING	11
3.6 TANK AND PIPELINE TESTING	11
3.7 RESOURCE AND ENERGY CONSUMPTION	14
4 SITE DEVELOPMENT / INFRASTRUCTURAL WORKS.....	15
4.1 SITE DEVELOPMENT	16
5 ENVIRONMENTAL INCIDENTS AND COMPLAINTS.....	17
5.1 INCIDENTS SUMMARY.....	17
5.2. COMPLAINTS SUMMARY	17
5.3 REVIEW OF NUISANCE CONTROLS.	17
5.3.1 <i>Litter Control</i>	17
5.3.2 <i>Vermin Control</i>	17
5.3.3 <i>Dust Control</i>	17
6 ENVIRONMENTAL MANAGEMENT SYSTEM.....	18
6.1 SUMMARY OF PROCEDURES ASSOCIATED WITH THE FACILITY	17
6.2 OBJECTIVES AND TARGETS	20
7 Facility Resources.....	22
7.1 MANAGEMENT AND STAFF STRUCTURE.....	22
7.1.1 <i>Training of Personnel</i>	24
7.1.2 <i>Records for the Training and Awareness Programme</i>	24
7.2 FINANCIAL PROVISIONS.....	24

TABLE OF FIGURES

	PAGE
Figure 1.1: Site Location Map.....	3
Figure 3.1: Monitoring Locations.....	7
Figure 7.1: Management Structure	22

LIST OF TABLES

	PAGE
Table 2.1: Licensed Categories and Quantities of Waste for Disposal.....	4
Table 2.2: Detailed Quantities of Waste Removed from Waller's Lot 2013.....	5
Table 3.1: Dust Deposition Monitoring 2013.....	6
Table 3.2: Noise Monitoring Results Summary.....	8
Table 3.3: SW1 Surface Water Monitoring	9
Table 3.4: SW2 Surface Water Monitoring.....	9
Table 3.5: Waste Water Monitoring Results.....	10
Table 3.6: GW1 Groundwater Monitoring Results.....	11
Table 3.7: GW2 Groundwater Monitoring Results.....	11
Table 3.8: Bund Test 1.....	12
Table 3.9: Bund Test 2.....	13
Table 4.0: Electricity Use 2013.....	14
Table 4.1: Diesel Usage 2013.....	14

LIST OF APPENDICES

Appendix 1	Noise Monitoring Report
Appendix 2	PRTR

1. INTRODUCTION

This Annual Environmental Report (AER) is required for submission to the Environmental Protection Agency in accordance with Condition 12.4 of Waste Licence W0200-01 for the Waller's Lot Site. This report presents the all the environmental data and other relevant information regarding the operation of the Waller's Lot Site for 2013

1.1. Scope and Purpose of the Report

South Tipperary County Council holds a waste licence (Register No W0200-01) for the operation of the Waller's Lot Site. The aim of this Annual Environmental Report (AER) is to provide a review of activities at the Waller's Lot Site during 2013.

This is the seventh AER to be submitted under Condition 12.4 of the licence. The Content of this AER is as defined in Schedule G of the waste licence.

1.2. Site Location

Waller's Lot is located on the edge of Cashel town.

The location of the site is shown on Figure 1.1.

The National Grid Reference for the site is: 208538969 139873395

1.2.1. Site Contacts

Name:	Mr. Pat Walsh
Job Title:	Site Manager
Telephone No:	(062) 64150
Fax No:	(062) 64157

Name:	Mr. Pat O' Dwyer
Job Title:	Deputy Site Manager:
Telephone No:	(052) 34882
Fax No:	(052) 34391

Name:	Ms. Ann Peters
Job Title:	Executive Engineer
Telephone No:	(052) 34397
Fax No:	(052) 34391

1.3. Environmental Policy

South Tipperary County Council is committed to conducting all activities such that they have a minimal effect on the environment.

South Tipperary County Councils main objectives are:

1. To comply with the Waste Licence (Licence Reg. W0200-01) and all relevant environmental legislation
2. To ensure that all facility infrastructure, as required in Condition 3 of the Waste Licence, is established
3. To ensure that all site personnel are familiar with:
 - a. the Conditions of the Waste Licence
 - b. the content of the Environmental Management System
 - c. all operational procedures
4. To reduce the potential for negative environmental impacts by a programme of continuous development on-site and appropriate mitigation measures.
5. To carry out all environmental monitoring, as required by Condition 9 of the Waste Licence.
6. To provide adequate training and awareness to all employees with regard to minimising environmental risks.

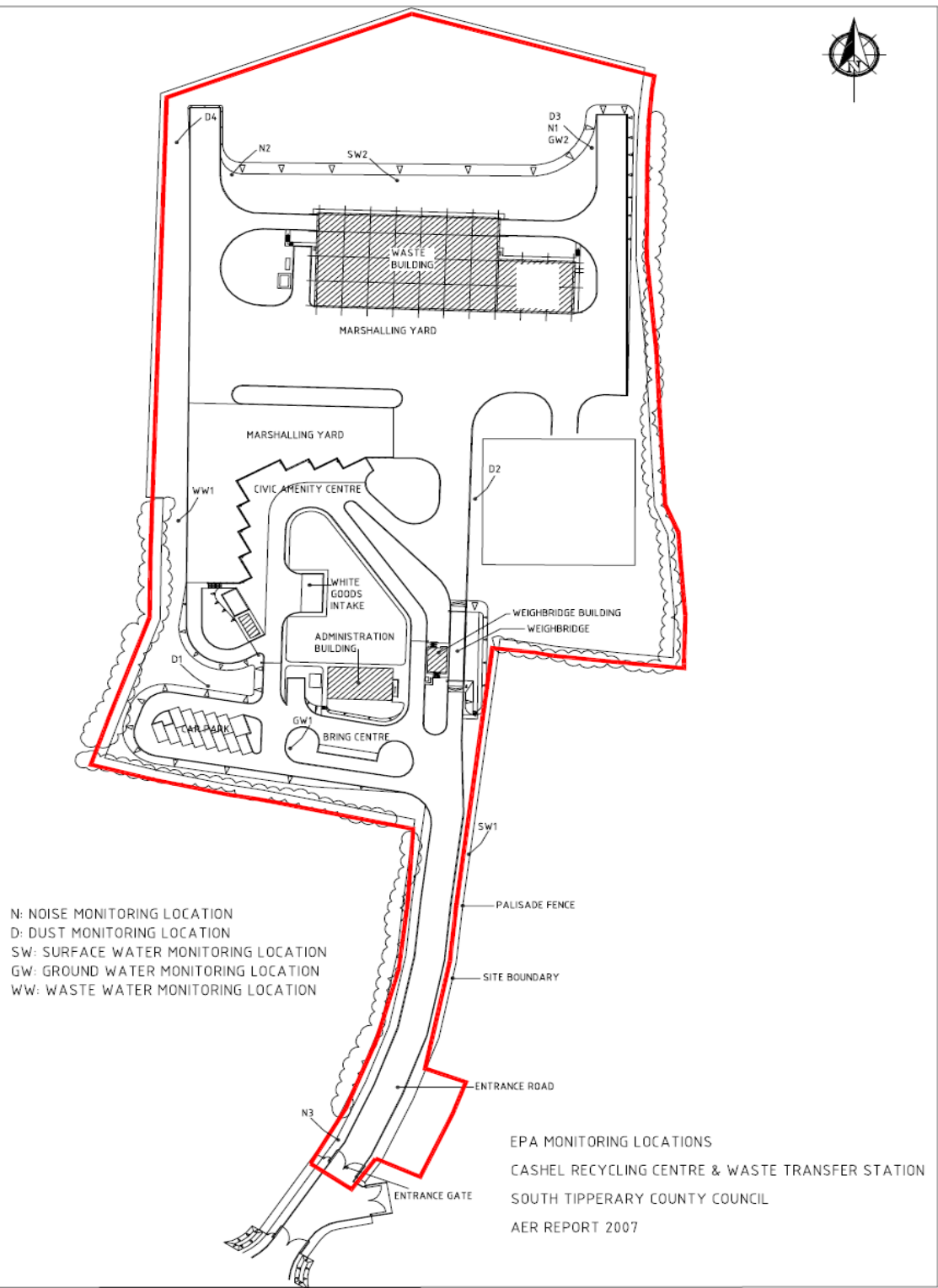


FIGURE 1.1: SITE LOCATION MAP

2 WASTE ACTIVITIES

The licensed waste disposal activities of the facility, in accordance with the Third Schedule of the Waste Management Act 1996 to 2003 are:

- 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.

The licensed waste disposal activities of the facility, in accordance with the Third Schedule of the Waste Management Act 1996 to 2003 are:

- 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 11. Use of waste obtained from any activity referred to in a preceding paragraph of this Schedule.
- 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 the waste concerned is produced.

The main activity at the site is as a Civic Amenity Centre and as a Waste Transfer Station.

Schedule A of the waste licence outlines the types and volumes of waste that can be accepted at the site. They are shown in Table 2.1 below.

Table 2.1: Licensed Categories and Quantities of Waste for Disposal

Waste Category	Maximum Quantity (Tonnes per annum)
Household and Commercial Waste	21,000
Household Hazardous Waste	100
Total	21,100

2.1 Waste Quantity and Composition

The quantity of waste removed from Waller's Lot in 2013 is outlined in Table 2.2.

Table 2.2: Detailed Quantities of Waste removed from Waller's Lot 2013

Waste Type	EWC Code	Quantity of Waste (Tonnes)
Batteries	16 06 01*	0.52
Cardboard	15 01 01	22.48
C + D	17 09 04	71.52
Cooking Oil	20 01 25	0
Aluminium Cans	19 08 14	1.04
Dry Recyclables	20 03 01	1139.86
Fluorescent tubes	20 01 21	0.44
Glass	20 01 02	40.88
Hard Plastics	20 01 39	0
Household Hazardous	20 01 27 / 20 01 37 / 06 05 04	1.30
Electric Fence Batteries	20 01 33	0.46
Lead Acid Batteries	16 06 01	0
Mattresses	20 03 07	18.16
Metal	20 01 40	61.90
Oil Filters	16 01 07	0
Tyres	16 01 03	5.66
Household Waste	20 03 01	3743.41
Newsprint	20 01 01	27.80
Steel Food Cans	15 01 04	2.12
Timber	20 01 37* / 20 01 38	357.44
WEEE	20 01 35* / 20 01 36	141.18
Waste Water	20 03 04	0
Waste Oil	13 08 99	0.98
Textiles	20 01 10 / 20 01 11	27.12
Plaster Board\Gypsum	17 08 02	27.60
Plate Glass	17 02 02	5.92
Plastic Bottles	15 01 02	2.92
Farm Plastic	15 01 02	84.84
Gas Cylinders	15 01 11	0
	Total	5785.55

3 MONITORING AND EMISSIONS

The monitoring carried out during 2013 is detailed below. All environmental monitoring locations are illustrated in Figure 3.1.

3.1 Dust Monitoring

Condition 9 and Schedule D.2.1 of the licence requires that the licensee conducts the following dust monitoring:

- Three times a year (two of which must occur between May and September) using the Standard Methods VDI2119 at onsite 4 locations.

3.1.1 Dust Monitoring Results

Dust Deposition Monitoring

Dust deposition monitoring was carried out in July, August\September, December. The results are shown in Table 3.1 below.

Dust Monitoring Point	Emission Limit	Q2 2013	Q3 2013	Q4 2013	Median
D1 (mg/m ² /day)	350	42	32	18	32
D2 (mg/m ² /day)	350	84	60	17	60
D3 (mg/m ² /day)	350	60	55	16	55
D4 (mg/m ² /day)	350	11	78	39	39

Dust levels on site were well below limit value of 350 mg/m²/day at each of the monitoring stations during the monitoring period.

WALLERS LOT WASTE TRANSFER STATION AND CIVIC AMENITY

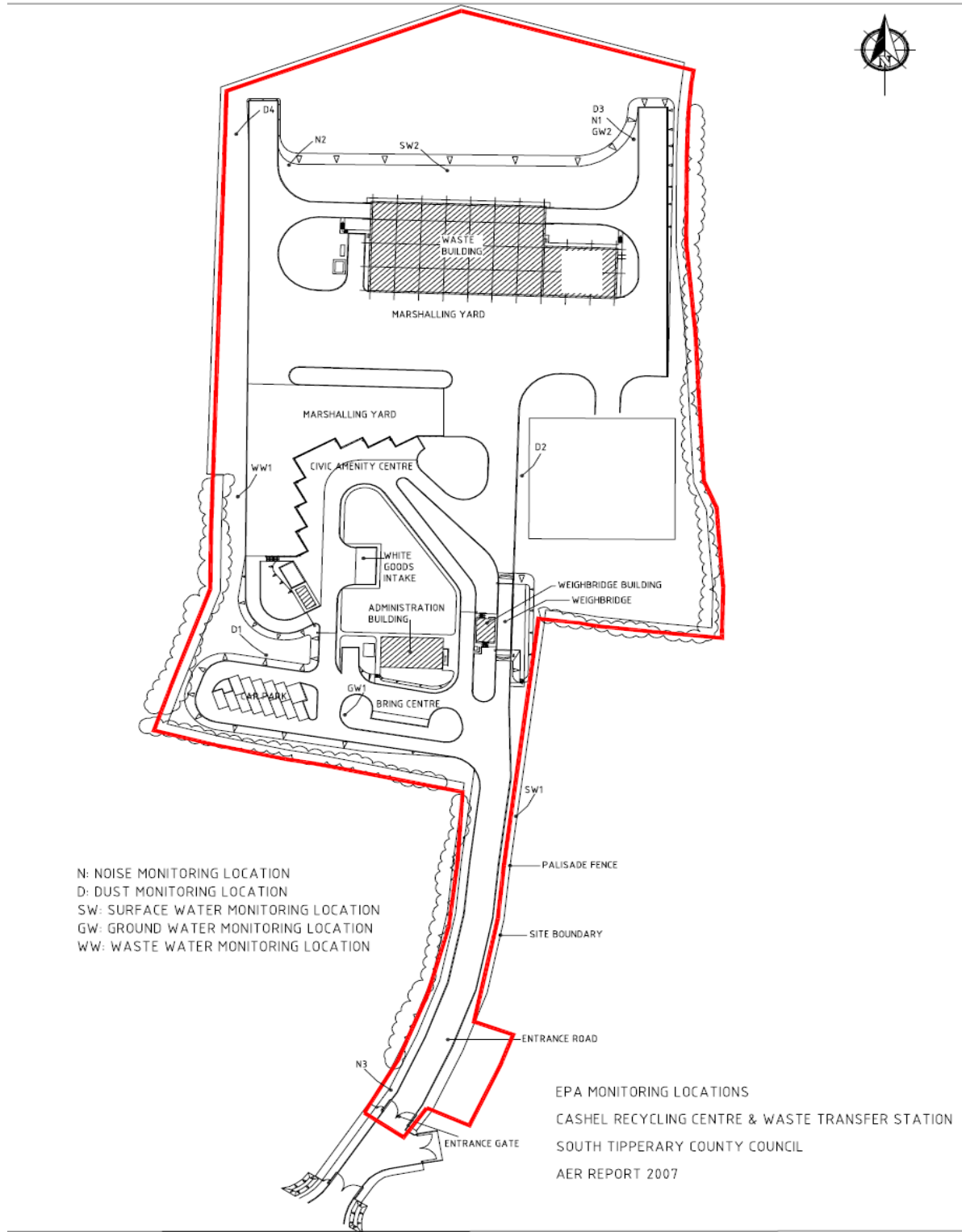


Figure 3.1: Monitoring Locations

3.2 Noise Monitoring

Condition 9 and Schedule D.3.1 of the licence require the licensee to conduct annual monitoring on noise emissions. A full noise survey was carried out on the 26 August 2013. A summary of the results can be seen in Table 3.2 below. A full copy of the results of these tests have been submitted to the Agency.

Table 3.2 Noise Monitoring Results Summary

Monitoring Point	Sampling Interval	Duration 30 (mins)	L(A)_{EQ}	Comments
N1	14.59-15.31	30	51	The main source of noise at this point was the operational noise from the waste processing plant and the recycling trucks pulling up and dropping off the waste. Other sources of noise at this point included a tractor dumping grass cuttings and distant noise coming from local road traffic
N2	14.25-15.05	30	51	The main source of noise at this location was operational noise from the waste processing plant plus recycling trucks unloading the recyclable waste on the conveyor belt. Additionally there was noise coming from the various bottle banks
N3	15.33-14.03	30	56	The greatest source of noise at this point was the traffic from the R692 entering and leaving the roundabout. Other noise sources included: traffic entering and leaving the facility, birds chirping, noise from the bottle banks and noise from residential area. Excluding external noise sources the L ₉₀ would be typical of noise levels at the facility which are in compliance with licence conditions.

3.3 Surface water Monitoring

Condition 9 and Schedule D.4 of the licence require the licensee to conduct surface water monitoring at points prior to discharge to soak away at locations to be agreed with the Agency on a bi annual basis. The results can be seen in Table 3.3 and Table 3.4 below. All the results are very low.

Table 3.3 SW1 Surface Water Monitoring Results

Surface Water 1	Emission Limit	Q1 2013	Q4 2013	Median
BOD (mg/l)	10	1.28	2.97	2.125
pH	6.0 – 9.0	7.26	6.97	7.115
S.Solids (mg/l)	25	77	8	42.5
Mineral Oil (mg/l)	5	0.155	0.013	0.084

Table 3.4 SW2 Surface Water Monitoring Results

Surface Water 2	Emission Limit	Q1 2013	Q4 2013	Median
BOD (mg/l)	10	No Discharge	No Discharge	
pH	6.0 – 9.0	N/a	N/a	
S.Solids (mg/l)	25	N/a	N/a	
Conductivity (us/cm)	1500	N/a	N/a	
Mineral Oil (mg/l)	5	N/a	N/a	

3.4 Wastewater Monitoring

Condition 9 and Schedule D.5 of the licence require the licensee to conduct waste water monitoring at a point prior to discharge to sewer at a location to be agreed with the Agency on a bi annual basis. The results can be seen in Table 3.5 below.

Table 3.5 Waste Water Monitoring Results

Wastewater	Emission Limit	Q1 2013	Q4 2013	Median
pH	6.0 - 10.0	7.08	7.1	7.09
Temperature (C)	25	8.9	10.1	9.5
BOD (mg/l)	500	194	4.5	99.25
Suspended Solids (mg/l)	500	72	10	41
Fats, Oils, Grease (mg/l)	100	<4	<4	<4
Ammoniacial Nitrogen (mg/l)	50	54.6	54.5	54.55

3.5 Groundwater Monitoring

Condition 9 and Schedule D.6 of the licence require the licensee to conduct groundwater monitoring at two groundwater wells located onsite on a bi annual basis. The results can be seen in Table 3.6 and Table 3.7 below.

Table 3.6 GW1 Groundwater Monitoring Results

Ground Water 1	Emission Limit	Q1 2013	Q4 2013	Median
Visual Inspection/Odour	No abnormal	No Odour Detected	No Odour Detected	
Groundwater Level (mts)		11.1	9.1	10.1
Conductivity (us/cm)	1500	801	712	756.5
pH	6.0 – 9.0	7.08	67.02	37.05
Temperature (C)	25	11	11	11
Mineral Oil (mg/l)	5	<.01	0.423	0.423

Table 3.7 GW2 Groundwater Monitoring Results

Ground Water 2	Emission Limit	Q1 2013	Q4 2013	Median
Visual Inspection/Odour	No abnormal	No Odour detected	No Odour detected	
Groundwater Level (mts)		13.55	12.64	13.095
Conductivity (us/cm)	1500	863	641	752
pH	6.0 – 9.0	7.01	7.02	7.015
Temperature (C)	25	12	12.2	12.1
Mineral Oil (mg/l)	5	<.01	0.01	0.01

3.6 Tank and pipeline Testing

Bund Tests Table 3.8 and 3.9

Cashel Recycling Centre & Waste Transfer Station			
CONCRETE BUND INSPECTION & TEST			
Bund No.1 Waste Oil Bund			
Contractor:	South Tipperary Co.Co.		
Date:	16 th and 17 th January 2012		
Drawing Reference: (incl revision)	2003-024-03-035 Rev 0		
Location:	Civic Amenity Area		
Dimensions:	5.5m x 2.6m x 0.5m deep with 300mm sq sump 300mm deep		
Concrete Mix:	C35N20	Reinforcement:	T8 & T12
Date of Test:	January 2012	Weather:	Dry
<p>1.4. Bund Inspection:</p> <p>The bund was visually inspected and it was found that there was no sign of damage or deterioration. The bund was clean and clear of debris.</p> <p>There were no defects noted at the time of testing.</p>			
<p>Bund Test:</p> <p>The test was carried out in accordance with CIRIA Report 163 Construction of Bunds for Oil Storage Tanks Section 5.5.2.</p> <p>No drop in water level was noted at the end of the test period, indicating the bund was found to be watertight.</p>			
Signed:	_____		
Dated:	<i>Anne Peters Executive Engineer</i> <i>17/01/2012</i>		

Cashel Recycling Centre & Waste Transfer Station

CONCRETE BUND INSPECTION & TEST

**Bund No.2
Diesel Tank Bund**

Contractor:	South Tipperary Co.Co		
Date:	16 th and 17 th January 2012		
Drawing Reference: (incl revision)	2003-024-03-034 Rev 0		
Location:	Waste Transfer Station Area		
Dimensions:	3.5m x 2.5m x 0.5m deep with 300mm sq sump 300mm deep		
Concrete Mix:	C35N20	Reinforcement:	T8 & T12
Date of Test:	January 2012	Weather:	Dry

1.5. Bund Inspection:

The bund was visually inspected and it was found that there was no sign of damage or deterioration.

The bund was clean and clear of debris.

There were no defects noted at the time of testing.

Bund Test:

The test was carried out in accordance with CIRIA Report 163 Construction of Bunds for Oil Storage Tanks Section 5.5.2.

No drop in water level was noted at the end of the test period, indicating the bund was found to be watertight.

Signed:	 <hr/>
Dated:	<i>Anne Peters Executive Engineer</i> <i>17/01/2012</i>

3.7 Resource and Energy Consumption

Electricity and diesel usage are shown in Tables 4.0 and 4.1 below.

Table 4.0 Electricity Use 2013

MFRN 10302716286 General Purpose Night Saver (2014)												
SOUTH TIPPERARY COUNTY COUNCIL												
WALLERS LOT												
BILLING		BREAKDOWN OF UNITS				MAX DEMAND						
MONTH	DAY	NIGHT	HEAT	TOTAL	06	07	30Min	15Min	TCAP	REVENUE	LF	A.P.U.
Jan 13	3,450	1,600	0	5,050	0	0	0	0	0.000	€733	0.0	14.51
Feb 13	2,650	2,100	0	4,750	0	0	0	0	0.000	€635	0.0	13.37
Mar 13	3,150	1,400	0	4,550	0	0	0	0	0.000	€665	0.0	14.64
Apr 13	0	4,000	0	4,000	0	0	0	0	0.000	€350	0.0	8.74
May 13	2,450	1,450	0	3,900	0	0	0	0	0.000	€551	0.0	14.13
Jun 13	100	2,800	0	2,900	0	0	0	0	0.000	€258	0.0	8.84
Jul 13	2,250	1,300	0	3,550	0	0	0	0	0.000	€505	0.0	14.24
Aug 13	100	1,550	0	1,650	0	0	0	0	0.000	€84	0.0	5.62
Sep 13	1,650	1,300	0	3,150	0	0	0	0	0.000	€437	0.0	13.85
Oct 13	700	450	0	1,150	0	0	0	0	0.000	€183	0.0	15.90
Nov 13	2,000	1,550	0	3,550	0	0	0	0	0.000	€502	0.0	14.15
Dec 13	950	400	0	1,350	0	0	0	0	0.000	€301	0.0	22.27
	19,650	16,800	0	36,450	0	0	0	0	0.000	€5,038		13.82

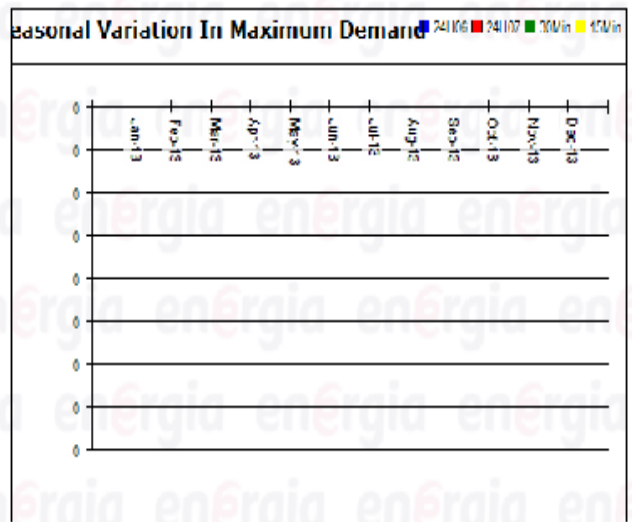
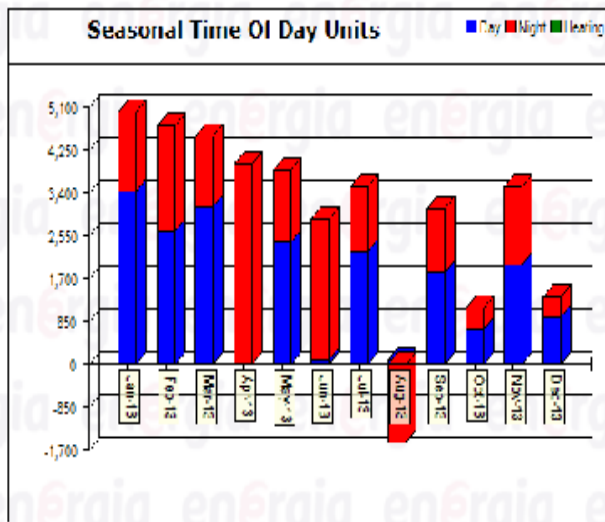
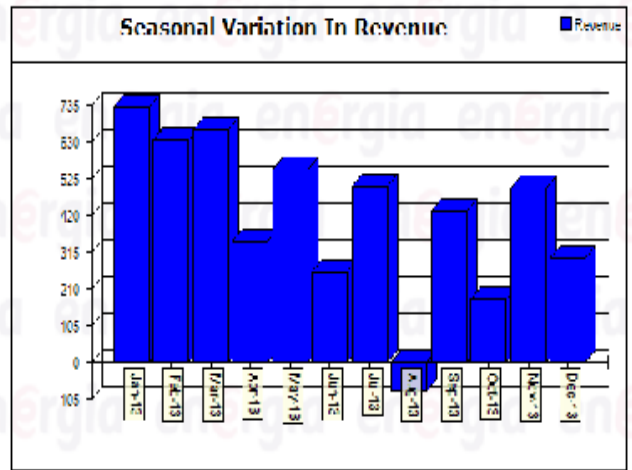


Table 4.1 Diesel Usage 2013(ltrs)

Jan 13	378
Feb 13	260
Mar 13	419
Apr 13	668
May 13	305
June 13	295
July 13	360
Aug 13	240
Sept 13	208
Oct 13	527
Nov 13	334
Dec 13	188
Average p\month	348

4 SITE DEVELOPMENT / INFRASTRUCTURAL WORKS

Site development works initiated or completed during the report period are described hereunder.

4.1

A full CCTV underground survey was carried out in 2013 this survey was submitted to the Agency.

The installation a building for WEEE and a concrete slab to facilitate the bulking up of items commenced in 2013 and will be completed in 2014

SEW submitted to Agency in 2012.

5 ENVIRONMENTAL INCIDENTS AND COMPLAINTS

5.1 Incidents Summary

Condition 12.3 of the waste licence requires that the licensee shall make written records of environmental incidents. No incidents were recorded during this reporting period

5.2. Complaints Summary

There were no complaints received during the reporting period.

5.3 Review of Nuisance Controls.

All nuisance control systems are monitored weekly to ensure that they are working effectively. The findings of these inspections are recorded on Nuisance Check Sheets, which are held on record in the facility. Environmental nuisances include:

1. Litter
2. Vermin
3. Dust

5.3.1 Litter Control

There are regular checks for litter onsite.

5.3.2 Vermin & Insects Control

The initial vermin control system on site is prompt waste disposal and reducing access to material. Additional vermin control work, is contracted to Pest Patrol (Pest control and Environmental Services). They use bait boxes the following systems to control vermin on site.

Pest Patrol carries out eight to ten site inspections annually to ensure that the site is free of vermin. Waller's Lot is not considered to have a vermin problem. The findings of these inspections are recorded and are held on record in the facility.

5.3.3 Dust Control

Dust control on-site is controlled using the following systems:

1. Reduced vehicle speed on site to control dust rising
2. Roads sprayed with water to keep dust down, done in dry weather

No complaints were received at the as regards dust raised by operational activities.

6 ENVIRONMENTAL MANAGEMENT SYSTEM

6.1 SUMMARY OF PROCEDURES ASSOCIATED WITH THE FACILITY

Documented procedures governing the operation of the facility are outlined below. Complete copies of all procedures are included in the facility's EMS.

Doc. No.	Operational Procedure Title	Date of Revision	Revision Number	Date of Review
SCP/4200/04	Emergency Response Procedure	Mar 2014	Rev 4	28-02-14
SCP/4201/04	Corrective Action Procedure	Mar 2014	Rev 4	28-02-14
SCP/4202/02	Awareness and Training Procedure	Mar 2014	Rev 2	28-02-14
SCP/4203/00	Communication Procedure	Mar 2014	Rev 0	28-02-14
SCP/4204/03	Complaints Procedure	Mar 2014	Rev 3	28-02-14
SCP/4205/02	Waste Characterisation and Testing Procedure	Mar 2014	Rev 2	28-02-14
SCP/4206/05	Waste Acceptance & Rejection Procedure	Mar 2014	Rev 5	28-02-14
SCP/4207/03	Vehicle Movement Procedure	Mar 2014	Rev 3	28-02-14
SCP/4208/04	Environmental Monitoring Procedure	Mar 2014	Rev 4	28-02-14
SCP/4209/02	Site Inspection Procedure	Mar 2014	Rev 2	28-02-14
SCP/4210/02	Nuisance Inspection Procedure	Mar 2014	Rev 2	28-02-14
SCP/4211/01	Self Compacting Trailer operating Procedure	Mar 2014	Rev 1	28-02-14
SCP/4212/01	Waste Conveyor Operating Procedure	Mar 2014	Rev 1	28-02-14
SCP/4213/01	Waste Handling Procedure	Mar 2014	Rev 1	28-02-14
SCP/4214/01	Compactor Skip Procedure	Mar 2014	Rev 1	28-02-14
SCP/4215/01	Telescopic Handler Procedure	Mar 2014	Rev 1	28-02-14

6.2 OBJECTIVES AND TARGETS

Objective 1	Continue Advertising campaign	
Target	I	
	Tasks	Timeframe
	1. Advertise facilities in local paper.Ongoing	September 2014
Responsibility	Facility manager & PAO	
Resources\Comments		

Objective 2	Review all aspects of Health and Safety in relation to the facility	
Target	To carry out a review in relation to all aspects of health and safety concerning this facility	
	Tasks	Timeframe
	1. Review Site specific safety statement	July 2014
	2. Carry out any recommendations for reduction of risk outlined in Safety Statement.	July 2014
Responsibility	Facility manager & RE	
Resources\Comments		

Objective 3	Improve energy efficiency on site	
Target	In compliance with Condition 8.1 STCC will carry out an audit of the energy efficiency of the site to identify opportunities for energy use reduction and better resource use.	
	Tasks	Timeframe
	1. Carry out energy audit in accordance with guidance published by the Agency – ‘Guidance note on energy efficiency auditing’.	September 2015
	2. Implement audit findings and review. Ongoing	January 2014
Responsibility	Facility manager & E.E	
Resources\Comments	Audit Completed	

Objective 4	Improve site security	
Target		
	Tasks	Timeframe
	1. Maintain fence	Ongoing
	2. Reduce scavengers / trespassers	
Responsibility	Facility manager	
Resources\Comments	Worked with local Gardai / New Security cameras fitted	

Objective 5	Implementation of a management and reporting system	
Target	In compliance with Condition 2.4 STCC will maintain a system whereby all environmental information is available to members of the public during opening hours	
	Tasks	Timeframe
	1. Review and update the EMS 2012	September 2014
	2. Review and update the schedule of objectives and targets 2012	
	3. Implement reviewed EMP	September 2014
	4. Review and update the Corrective Action Procedure	
	5. Review and update the Awareness and Training Programme See Chapter 6	March 2014
	6. Prepare an AER	
Responsibility	Facility Manager	
Resources\Comments	Completed	

Objective 6	Expand the range of products accepted for recycling	
Target	Expand the range of products accepted	
	Tasks	Timeframe
	1. Investigate other materials	Ongoing
	2. Hard Plastics	Completed
Responsibility	Facility Manager	
Resources\Comments		

Objective 7	Site Inspections	
Target	To ensure that all appropriate site inspections are carried out and documented as per the Licence requirements	
	Tasks	Timeframe
	1. Training of Staff in Inspection procedures	Ongoing
	2. Maintaining Inspection records	Ongoing
Responsibility	Facility manager	
Resources\Comments	Ongoing	

Objective 8	Staff Training	
Target	To ensure that all site personnel are appropriately qualified for the position they hold on site.	
	Tasks	Timeframe
	1. Implement regular in-house training for on-site personnel including First Aid and Spill Kit Training	Ongoing
Responsibility	Facility manager	
Resources\Comments	Ongoing	

Objective 9	Environmental Education	
Target	To encourage all interested parties to visit the site and learn about recycling	
	Tasks	Timeframe
	1. Use building to run courses regarding all forms of recycling	Ongoing
	2. Encourage school visits	Ongoing
Responsibility	Facility manager, Environmental Engineer, Public Awareness Officer.	
Resources\Comments	Ongoing	

Objective 10	Reduction in Resource usage	
Target	To reduce usage of water and power on site	
	Tasks	Timeframe
	1. Implement recommendations of energy audit	Ongoing
Responsibility	Facility manager	
Resources\Comments	Regular monitoring of site water meter .	

Objective 11	Site Development	
Target	To Increase the Size and Scope of the Site.	
	Tasks	Timeframe
	1. To Fully concrete bulking area install new loading bays and build a warehouse for housing all WEE products.	September 2014
Responsibility	Facility manager\Site Engineer	
Resources\Comments		

7 FACILITY REOURCES

7.1 Management and Staff Structure

There are six operational staff at the site: a Facility Manager, responsible for the day-to-day site activities, a deputy manager, environmental chemist, a weighbridge operator and two general operatives.

A staffing structure for site operations is presented in Figure 7.1. Their qualifications and responsibilities are outlined below:

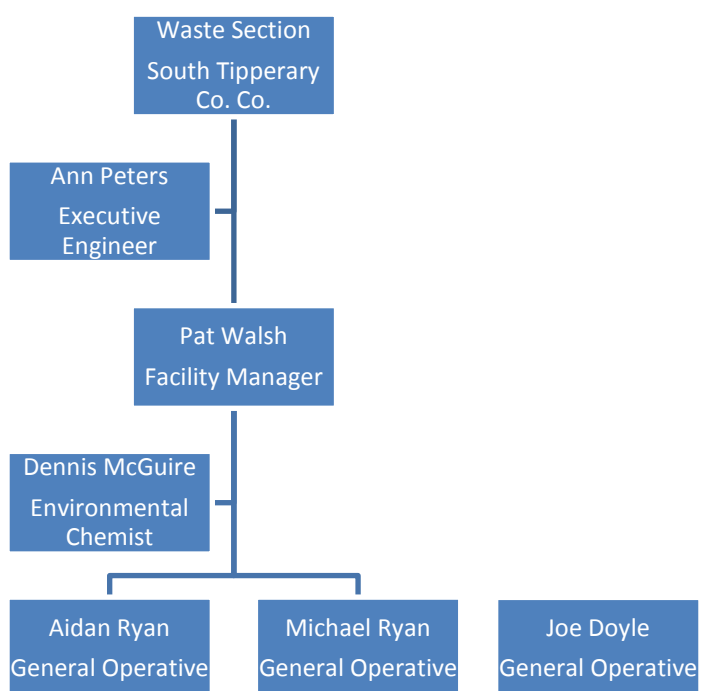


Figure 7.1: Management Structure

Facility Manager:	<i>Pat Walsh</i>
Qualifications:	FAS Waste Management Training Course FAS SafePass Course
Responsibilities:	Day-to-Day Operations Waste Acceptance Environmental Protection

Executive Engineer:	<i>Anne Peters</i>
Qualifications:	B.E. (Chem.) FAS Waste Management Training Course FAS SafePass Course
Responsibilities:	Oversee infrastructure development and management on site

Deputy Manager:	<i>Dennis McGuire</i>
Qualifications:	B.Sc.
Responsibilities:	Responsible for analytical analysis of monitoring on site

Deputy Manager:	<i>Pat O' Dwyer</i>
Qualifications:	FAS Waste Management Training Course FAS SafePass Course
Responsibilities:	Deputy for the Facility Manager, has the same responsibilities <ul style="list-style-type: none"> • Day-to-day operations • Waste acceptance • Environmental protection

General Operators	Michael Ryan
Qualifications:	FAS Waste Management Training Course In –house Training <ul style="list-style-type: none"> • Weighbridge operation • Telescopic handler • Safe Pass • Manual handling • Instruction on the implication of the waste licence on site staff
Responsibilities:	Weighing Waste Acceptance Records Cash Duty General house keeping

General Operators	Aidan Ryan and Joe Doyle
Qualifications:	In –house Training <ul style="list-style-type: none"> • Weighbridge operation • Telescopic handler • Safe Pass • Manual handling • Instruction on the implication of the waste licence on site staff
Responsibilities:	Weighing Waste Acceptance Records Cash Duty General house keeping

Staff will be present on site during operational hours to supervise the waste disposal, deal with any emergency that arises and to prevent unauthorised entry into the site. The Facility Manager, or appointed deputy, must be on site during opening hours.

The primary goal of all training is to ensure that there is awareness at all levels of:

- the importance of compliance with conditions of the licence
- the potential environmental effects of work activities
- individual roles and responsibilities in achieving compliance with the waste licence
- the environmental benefits of improved performance
- the Health, Safety & Welfare at Work Act.

7.1.1 Training of Personnel

It will be the responsibility of the Manager to ensure that all staff receives training in relevant areas/tasks, including:

- instruction and operation of the machinery
- operation of the weighbridge and computer system
- training for specific functions

The Manager shall also ensure that all staff receives general training, including:

- instruction in manual handling
- the use of fire extinguishers
- FAS SafePass Course
- First Aid training

It is also the responsibility of the Manager to ensure that site staff are aware of the terms of the waste licence at the facility and the responsibility of each staff member to maintain specific terms of the waste licence. It is the responsibility of the facility manager to ensure that each staff member is aware of his or her specific function.

The Health and Safety Officer makes regular visits to the site, to promote awareness of safety issues and to audit the site. Any suggested improvements are implemented as soon as possible.

7.1.2 Records for the Training and Awareness Programme

- A training records file is kept at the site office
- All relevant operational procedures and documentation relevant to the licence shall be kept at the facility office and updated regularly
- All staff shall be made aware of the existence of such documents.

7.2 Financial Provisions

The county council have the funds available to them to complete the aftercare and restoration of the site in the event of the site closure.

The aftercare and restoration plan was submitted to the Agency in attachment G.1 of the Waste Licence application.



South Tipperary County Council

Recycling Centre and Waste Transfer Station,
Waller's Lot,
Cashel,
Co. Tipperary

Annual Environmental Noise Report
Survey 2013

Licence Number: W0200-01

Report Date: 05th September 2013

Report Number:
3450-13-02
Version 0

AXIS environmental services

40 Coolraine Heights, Old Cratloe Road, Limerick

Tel (061) 324587 Mobile(087) 6367436

info@axisenv.ie

Report Content

1.0	Executive Summary	.....	3
2.0	Introduction	.....	4
3.0	Methods Employed	.....	5
4.0	Monitoring Locations	.....	6
5.0	Noise Measurement Data	.....	7
6.0	Conclusions	.....	10

Report Date	05 th September 2013	Site Contact:	Pat Walsh
Report Issued By	Mark Mc Garry	Version No:	0
Signed:		Client:	South Tipperary County Council
Notes:			

1.0 Executive Summary

South Tipperary County Council is required as part of their Waste License W0200 Schedule C.1 and D.3 for Cashel Recycling Centre and Waste Transfer Station; to carry out a noise survey for this installation on an annual basis. AXIS environmental services were commissioned to complete the survey after proposal acknowledgment and acceptance by South Tipperary County Council.

The purpose of the survey was to monitor noise at predetermined locations and assess the sites compliance against Schedule C.1 of the Waste License which sets the noise emission at 55 dB(A) daytime.

All operations at Cashel Recycling Centre and Waste Transfer Station were running as normal throughout the survey. Other sources of noise were recorded at each individual location which are summarised in the report.

The survey was carried out in strict accordance with the standard ISO 1996 Parts 1 – 3, Acoustics – description, measurement and assessment of environmental noise. Reference was also made to the EPA guidelines NG4 "Guidance Note for Noise: Licence Applications, Surveys and Assessments in Relation to Scheduled Activities" April 2012, in conjunction with the frequently asked questions issued by the Agency in August 2012. The Agency has agreed with South Tipperary Co Co that there only needs to be a day time noise survey carried out on this site.

Three points were monitored for the noise survey at Cashel Recycling Centre and Waste Transfer Station. N1, N2, N3 are facility boundary monitoring points which are located within the confines of the site and are in close proximity to all activities in operation.

There was no tonal or impulsive noise observed at any of the locations for the duration of the assessment.

2.0 Introduction

As part of compliance monitoring at South Tipperary County Council’s Recycling Centre at Cashel, an annual noise survey is to be carried out at nearest noise sensitive locations in and around this location. South Tipperary County Council and the Environmental Protection Agency have agreed the monitoring points chosen to meet the requirements of the license.

The license W0200-01 outlines South Tipperary County Council’s requirements under Schedule C.1 and D.3, which have been documented as follows:

2.1 Schedule C.1 Noise Emissions

Day dB(A) $L_{Aeq}(30\text{minutes})$	Night dB(A) $L_{Aeq}(30\text{ minutes})$
55	45

2.2 Schedule D.3

Table 1: Schedule D3.1: Noise Monitoring Parameters and Frequency

Location	Measurement	Frequency
N1	30 minute Day survey to include $L(A)_{EQ}$, $L(A)_{max}$, $L(A)_{90}$ and $1/3^{rd}$ octave measurements	Annually
N2	30 minute Day survey to include $L(A)_{EQ}$, $L(A)_{max}$, $L(A)_{90}$ and $1/3^{rd}$ octave measurements	Annually
N3	30 minute Day survey to include $L(A)_{EQ}$, $L(A)_{max}$, $L(A)_{90}$ and $1/3^{rd}$ octave measurements	Annually

3.0 Methods

Monitoring was carried out in strict accordance with ISO 1996 Parts 1 – 3, Description and Measurement of Environmental Noise. Reference was also made to the EPA guidelines NG4 "Guidance Note for Noise: Licence Applications, Surveys and Assessments in Relation to Scheduled Activities" April 2012, in conjunction with the frequently asked questions issued by the Agency in August 2012.

Table 2: Equipment Details

	Meter No 2
Manufacturer	Cirrus Optimus Green
Model	CR:171B
Serial Number	G061082
Firmware	V2.3.1156
Calibrator	CR:515 Acoustic Calibrator
Microphone	B&K4180 - 1893453
Windshield Type	UA:237 90mm Foam Windshield
Noise Meter	18 th Nov 2012 - 2013
Certificate Number	191936
Calibrator	18 th Nov 2012 - 2013
Certificate Number	191937
Prior to Survey	93.7
Calibration Offset	-0.31
Post Survey	93.7
Frequency Weighting	A - Broadband
Meter Response Time	Slow

4.0 Monitoring Locations

4.1 N1 Day Time Survey

This monitoring location was situated at the back of the waste building on the North East side of the site boundary. The main sources of noise at this point were operational noise from the waste building. Recycling Waste trucks reversing and unloading waste and the waste processor starting up.

Other sources of noise at this point included noise from a tractor unloading grass/cuttings. Additionally there was distant noise from traffic on the R692.

4.2 N2 Day Time Survey

This noise monitoring point is located at the back of the waste building on the North West side of the site boundary. The main sources of noise at this location were the operational noise from the waste building. Recycling Waste Trucks were pulling up and unloading the recyclable waste for processing. There was also noise from the start-up of the waste conveyor belt

Other sources of noise at this point included distant noise from road traffic on the R692 plus noise from cars coming into the Recycling Centre and dropping off their bottles.

4.3 N3 Day Time Survey

The third monitoring point was located just inside the entrance of the site. The greatest source of noise at this point was traffic entering and leaving the facility plus the road traffic from the R692 coming into and leaving the roundabout.

Other sources of noise at this point included noise from residential area, birds chirping and noise of bottles being put into the bottle bank.

5.0 Summary of Daytime Noise Measurements

Noise Monitoring Location:					
N1 (Boundary Monitoring Point)					
Period:	Time	Measured Noise Levels (dB re. 2 x 10⁻⁵ Pa)			Comments
		L_{Aeq}	L_{AFMAX}	L_{A90}	
Daytime:	14:59	51	70	36	The main source of noise at this point was the operational noise from the waste processing plant and the recycling trucks pulling up and dropping off the waste. Other sources of noise at this point included a tractor dumping grass cuttings and distant noise coming from local road traffic.
	-	-	-	-	
	-	-	-	-	
Arithmetic Average (dB):		51	70	36	
Daytime Criterion, dB L_{Ar,T}:		55	-	-	
Evening:	-	-	-	-	
Arithmetic Average (dB):		-	-	-	This site is not required to monitor noise emissions during the evening period. The site is not defined as a new or revised licence since the guidelines were issued in 2012.
Evening Criterion, dB L_{Ar,T}:		-	-	-	
Night Time:	-	-	-	-	
Arithmetic Average (dB):		-	-	-	This site is not required to monitor noise emissions during the night period.
Night time Criterion, dB L_{Ar,T}:		-	-	-	
Night time Criterion, dB L_{Ar,T}:		-	-	-	
Weather Conditions:					
	Daytime:	Evening:		Night Time:	
Temperature (°C)	21	-		-	
Wind Speed (m/s)	0.3	-		-	
Wind Direction:	Wind from West	-		-	
Precipitation:	0mm	-		-	
Tonal Noise Assessment					
Daytime:	Run 1: None	-		-	
Night Time:	-	-		-	
Compliance Status – this is not a noise sensitive location therefore limits would not apply					

Noise Monitoring Location:					
N2 (Boundary Monitoring Point)					
Period:	Time	Measured Noise Levels (dB re. 2 x 10 ⁻⁵ Pa)			Comments
		L _{Aeq}	L _{AFMAX}	L _{A90}	
Daytime:	14:25	51	83	34	The main source of noise at this location was operational noise from the waste processing plant plus recycling trucks unloading the recyclable waste on the conveyor belt. Additionally there was noise coming from the various bottle banks.
	-	-	-	-	
	-	-	-	-	
Arithmetic Average (dB):		51	83	34	
Daytime Criterion, dB L _{Ar,T} :		55	-	-	
Evening:	-	-	-	-	
Arithmetic Average (dB):		-	-	-	
Evening Criterion, dB L _{Ar,T} :		-	-	-	
Night Time:	-	-	-	-	This site is not required to monitor noise emissions during the night period
	-	-	-	-	
Arithmetic Average (dB):		-	-	-	
Night time Criterion, dB L _{Ar,T} :		-	-	-	
Weather Conditions:					
	Daytime:	Evening:	Night Time:		
Temperature (°C)	21	-	-		
Wind Speed (m/s)	0.3	-	-		
Wind Direction:	Wind from West	-	-		
Precipitation:	0mm	-	-		
Tonal Noise Assessment					
Daytime:	Run 1: None	-	-		
Night Time:	-	-	-		
Compliance Status – this is not a noise sensitive location therefore limits would not apply					

Noise Monitoring Location: N3 (Boundary Monitoring Point)					
Period:	Time	Measured Noise Levels (dB re. 2 x 10 ⁻⁵ Pa)			Comments
		L _{Aeq}	L _{AFMAX}	L _{A90}	
Daytime:	15:33	56	89	44	The greatest source of noise at this point was the traffic from the R692 entering and leaving the roundabout. Other noise sources included: traffic entering and leaving the facility, birds chirping, noise from the bottle banks and noise from residential area. Excluding external noise sources the L ₉₀ would be typical of noise levels at the facility which are in compliance with licence conditions.
	-	-	-	-	
Arithmetic Average (dB):		56	89	44	
Daytime Criterion, dB L _{Ar,T} :		-	-	55	
Evening:	-	-	-	-	This site is not required to monitor noise emissions during the evening period. The site is not defined as a new or revised licence since the guidelines were issued in 2012.
Arithmetic Average (dB):		-	-	-	
Evening Criterion, dB L _{Ar,T} :		-	-	-	
Night Time:	-	-	-	-	This site is not required to monitor noise emissions during the night period
	-	-	-	-	
Night time Criterion, dB L _{Ar,T} :		-	-	-	
Weather Conditions:					
	Daytime:	Evening:	Night Time:		
Temperature (°C)	21	-	-		
Wind Speed (m/s)	0.3	-	-		
Wind Direction:	Wind from West	-	-		
Precipitation:	0mm	-	-		
Tonal Noise Assessment					
Daytime:	Run 1: None	-	-		
Night Time:	-	-	-		
Compliance Status – this is not a noise sensitive location therefore limits would not apply					

6.0 Conclusions

Three locations were monitored at Cashel Recycling Centre and Waste Transfer Station as part of this annual environmental noise survey for South Tipperary County Council. The boundary monitoring points N1, N2 and N3 are located within the boundary of the site.

Each point was monitored for 30 minute periods during the day survey.

N3 indicated a high $L_{(A)EQ}$ but this is due to the noise point being located inside the gate of the recycling facility just off a roundabout with a heavy traffic presence as the $L_{(A)90}$ presented a result of 31 dB(A). Noise points N1 and N2 were within their $L_{(A)EQ}$ levels and thus compliant with the requirement under Schedule C.1 of the licence [55 dB(A)].

There was no tonal or impulsive noise determined at any monitoring location.

Appendix I Graphical Display of Raw Data

Tonal Noise:

The appropriate level differences vary with frequency. They should be greater than or equal to the following values in both adjacent one third octave bands:

- 15dB in low frequency one third octave bands (25Hz to 125Hz);
- 8dB in middle frequency bands (160Hz to 400Hz), and;
- 5dB in high frequency bands (500Hz to 10,000Hz)

This is the definition outlined by the EPA in the guidance note issued in 2012: NG4.



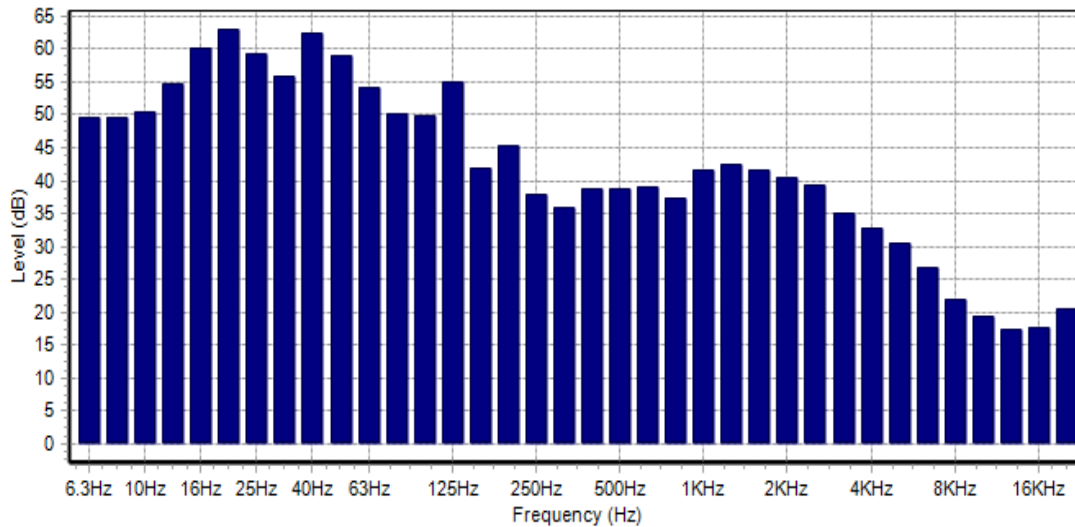
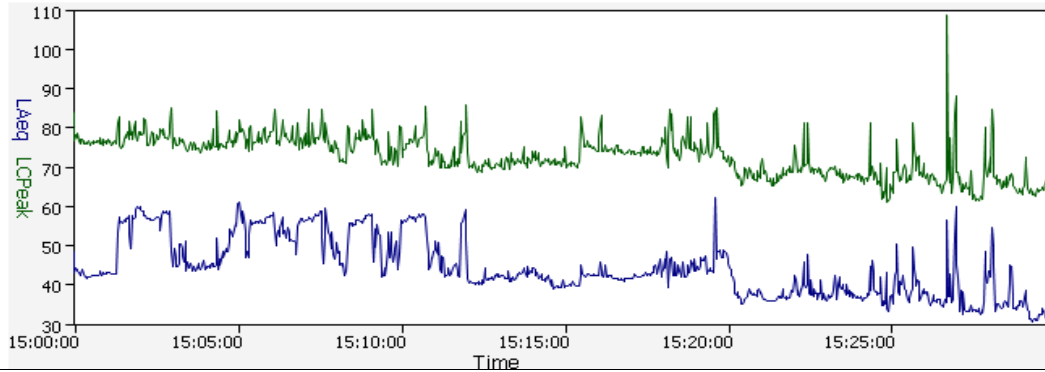
Measurement Summary Report

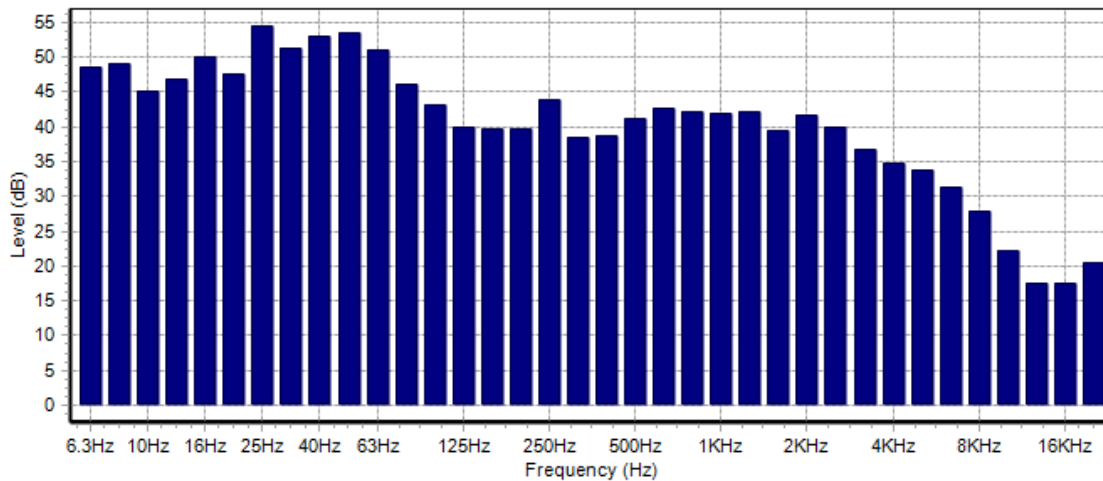
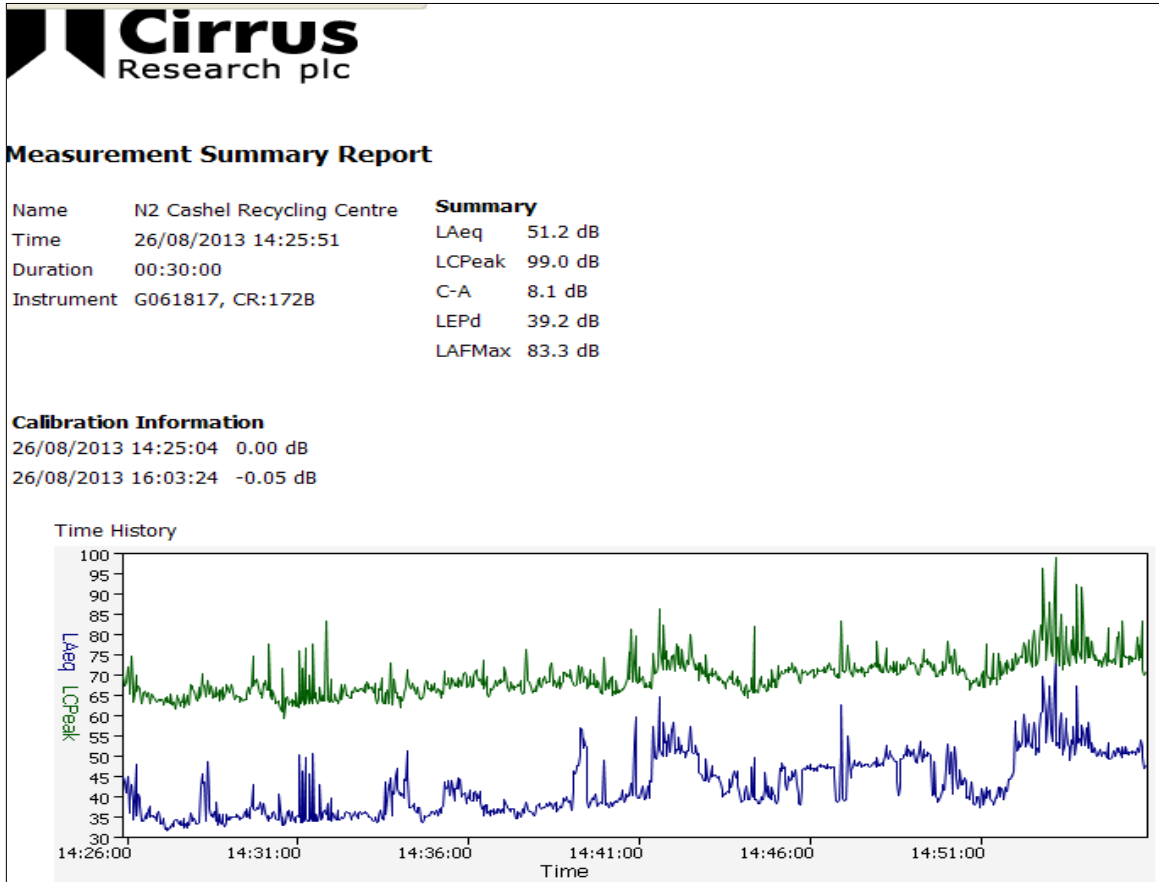
Name	N1 Cashel Recycling Centre	Summary
Time	26/08/2013 14:59:55	LAeq 50.8 dB
Duration	00:30:00	LCPeak 108.6 dB
Instrument	G061817, CR:172B	C-A 14.8 dB
		LEPd 38.8 dB
		LAFMax 69.9 dB

Calibration Information

26/08/2013 14:25:04 0.00 dB
 26/08/2013 16:03:24 -0.05 dB

Time History







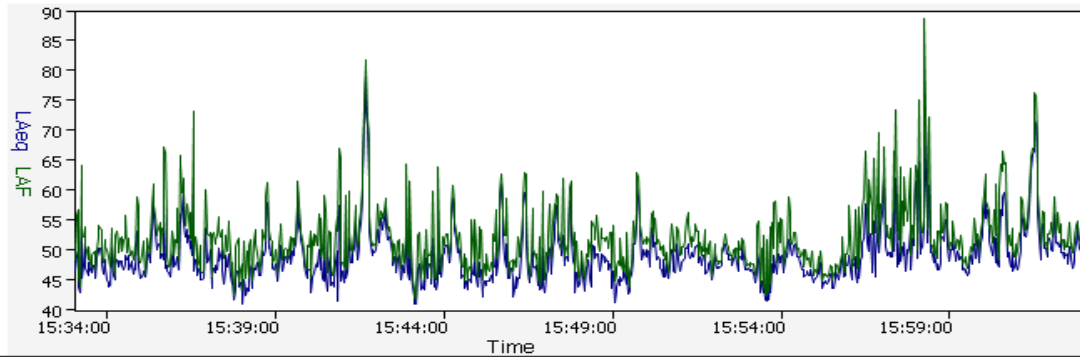
Measurement Summary Report

Name	N3 Cashel Recycling Centre	Summary	LAF1	65.7 dB
Time	26/08/2013 15:33:01	LAeq	LAF5	56.7 dB
Duration	00:30:00	LAE	LAF10	53.5 dB
Instrument	G061817, CR:172B	LAFMax	LAF50	47.9 dB
			LAF90	44.1 dB
			LAF95	43.1 dB
			LAF99	41.5 dB

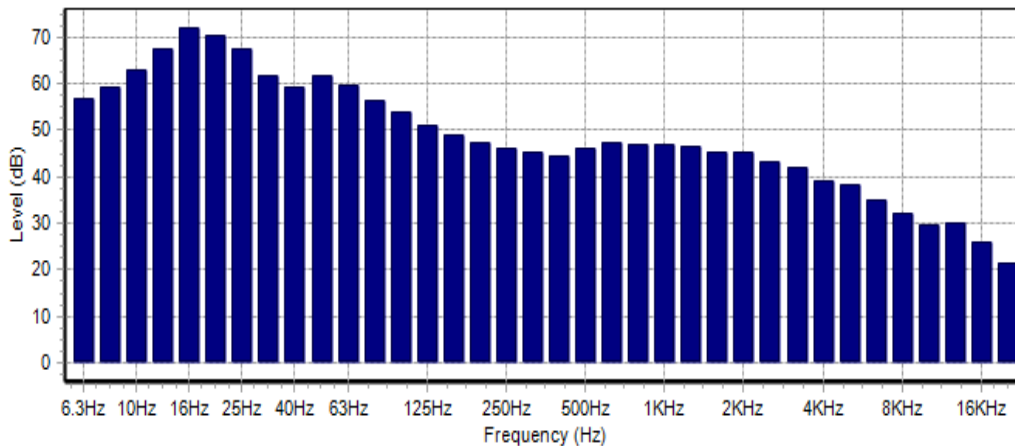
Calibration Information

26/08/2013 14:25:04 0.00 dB
 26/08/2013 16:03:24 -0.05 dB

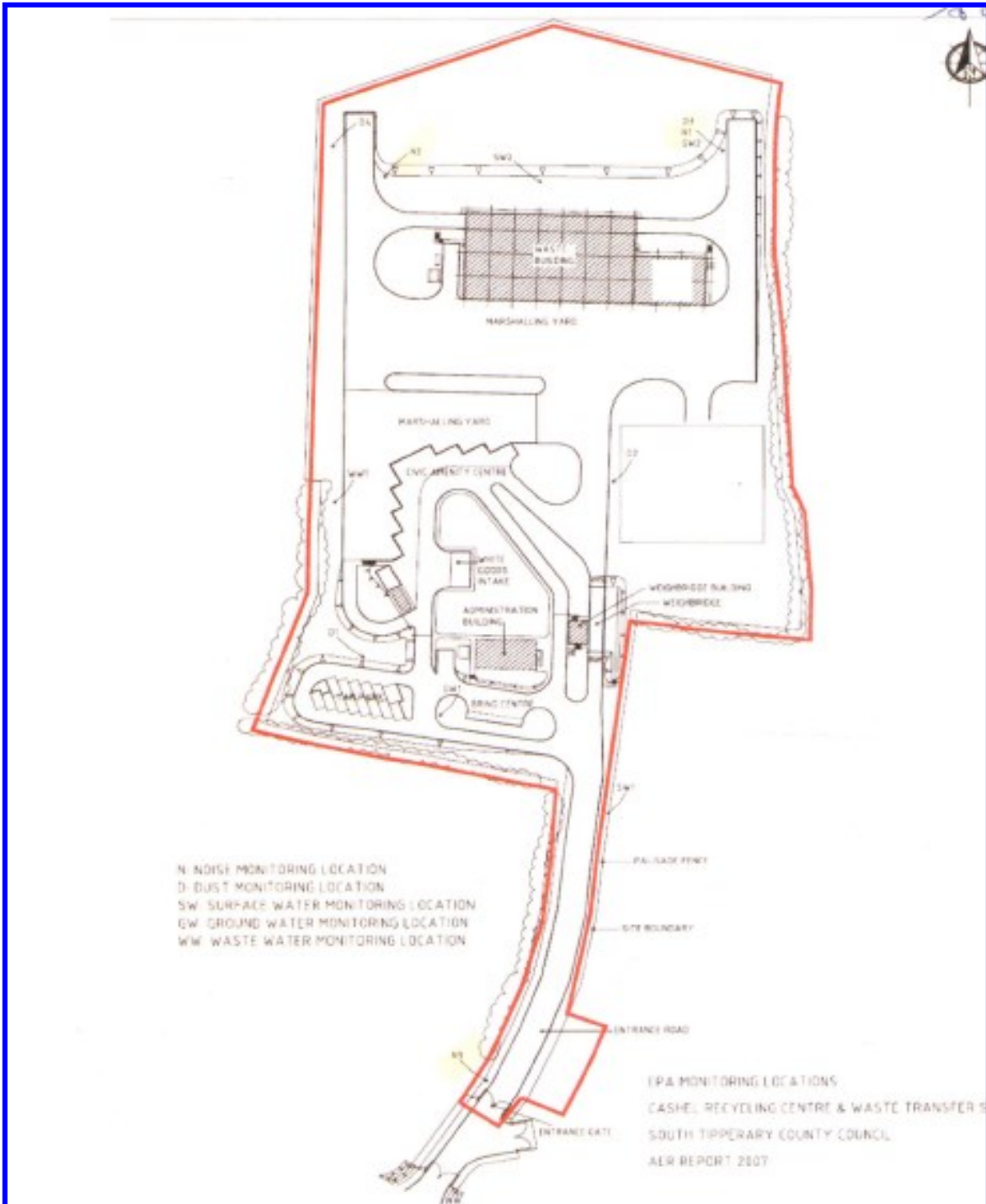
Time History




Frequency Bands



Appendix II Site Map



Appendix III Calibration Certificates

Certificate of Calibration  **Cirrus Research plc**
 dedicated to noise measurement

Equipment Details

Instrument Manufacturer Cirrus Research plc
 Instrument Type CR:515
 Description Acoustic Calibrator
 Serial Number 59318

Calibration Procedure

The acoustic calibrator detailed above has been calibrated to the published data as described in the operating manual. The procedures and techniques used to follow the recommendations of the IEC standard Electroacoustics – Sound Calibrators IEC 60942:2003, IEC 60942:1997, BS EN 60942:1998 and BS EN 60942:2003 where applicable. The calibrator's main output is 94.00 dB (1 Pa) and this was set within the 0.01 dB resolution of the test system, i.e. one hundredth of a decibel. Numbers in {parenthesis} refer to the paragraph in IEC 60942.

Calibration Traceability

The calibrator above was calibrated against the calibration laboratory standards held by Cirrus Research plc. These are traceable to International Standards (A.0.6). The standards are:

Microphone Type	B&K4180	Serial Number	1893453	Calibration Ref.	S 6009
Pistonphone Type	B&K4220	Serial Number	613843	Calibration Ref.	S 5964

Calibration Climate Conditions

The climatic test conditions were all maintained within the permitted limits of IEC 60942:1997.

Temperature	{B.3.2}	Permitted band 15°C to 25°C
Humidity	{B.3.2}	Permitted band 30% to 90% RH
Static Pressure	{B.3.2}	Permitted band 85 kPa to 105 kPa
Ambient Noise Level	{B.3.3.6}	Max permitted level 64 dB(Z)

Measurement Results

The figures below are the Calibration Laboratory test limits for this model calibrator and have a smaller tolerance than those permitted in IEC 60942.

94 dB Output	94.01 dB	Permitted band	93.95 to 94.05dB
104 dB Output	dB	Permitted band	103.80 to 104.30dB
Frequency	1100 Hz	Permitted band	990 to 1010Hz

Uncertainty

With an uncertainty coefficient of k=2, i.e. a 95% confidence level, the uncertainty of each measure is

94 dB Output	± 0.13 dB	104 dB Output	± 0.14 dB
Frequency	± 0.1 Hz	Level Stability	± 0.04 dB

Calibrated by 
 Calibration Date 23 January 2013
 Calibration Certificate Number 203513

This Calibration Certificate is valid for 12 months from the date above.

Cirrus Research plc, Acoustic House, Briddlington Road, Humbarby, North Yorkshire, YO14 0PH
 Telephone: +44 (0) 1723 891655 Fax: +44 (0) 1723 891742
 Email: sales@cirrusresearch.co.uk

Glossary of Terms

Note: Not all terms were used in the description of noise for this noise survey.

Ambient noise	The totally encompassing sound in a given situation at a given time, usually composed of sound from many sources, near and far.
Acoustic shadow	An acoustic shadow is an area through which sound waves fail to propagate, due to topographical obstructions or disruption of the waves via phenomena such as wind currents.
Background noise	The steady existing noise level present without contribution from any intermittent sources. The A weighted sound pressure level of the residual noise at the assessment position that is exceeded for 90 per cent of a given time interval, T (LAF90,T).
Broadband	Sounds that contain energy distributed across a wide range of frequencies.
Competent person	Individual possessing a combination of technical knowledge, experience and skills as outlined in Section 2.0 and who can demonstrate both practical and theoretical competence.
Criterion noise level	The long term mean value of the noise level that must not be exceeded. This is generally stipulated in the IPPC/Waste licence and it may be applied to a noise source, a boundary of the activity or to an NSL in the vicinity of the site.
dB	Decibel. The scale in which sound pressure level is expressed. It is defined as 20 times the logarithm of the ratio between the RMS pressure of the sound field and the reference pressure of 20 micro pascals (20 uPa).
Facade level	The noise level at a location 1m from the facade of a building is described by the term facade level, and is subject to a higher noise level than one in an open area (free-field conditions) due to reflection effects.
Free field	These are conditions in which the radiation from sound sources is unaffected by the presence of any reflecting boundaries or the source itself. In practice, it is a field in which the effects of the boundaries are negligible over the frequency range of interest. In environmental noise, true free-field measurement conditions are seldom achieved and generally the microphone will be positioned at a height between 1.2 and 1.5 metres above ground level. To minimise the influence of reflections, measurements are generally made at least 3.5 metres from any reflecting surface other than the ground.
Hertz (Hz)	The unit of sound frequency in cycles per second.
Impulsive	A noise that is of short duration (typically less than one second), the sound pressure level of which is significantly higher than the background.
LAeq,T	This is the equivalent continuous sound level. It is a type of average and is used to describe a fluctuating noise in terms of a single noise level over the sample period (T). The closer the LAeq value is to either the LAF10 or LAF90 value indicates the relative impact of the intermittent sources and their contribution. The relative spread between the values determines the impact of intermittent sources, such as traffic, on the background.
LAFN	The A-weighted noise level exceeded for N% of the sampling interval. Measured using the "Fast" time weighting.
LAr,T	The Rated Noise Level, equal to the LAeq during a specified time interval (T), plus specified adjustments for tonal character and/or impulsiveness of the sound.
LAF10	Refers to those A-weighted noise levels in the top 10 percentile of the sampling interval; it is the level which is exceeded for 10% of the measurement period. It is used to determine the intermittent high noise level features of locally

	generated noise and usually gives an indicator of the level of road traffic. Measured using the "Fast" time weighting.
LAF90	Refers to those A-weighted noise levels in the lower 90 percentile of the sampling interval; it is the level which is exceeded for 90% of the measurement period. It will therefore exclude the intermittent features of traffic and is used to describe a background level. Measured using the "Fast" time weighting.
LAFmax	The maximum RMS A-weighted sound pressure level occurring within a specified time period. Measured using the "Fast" time weighting.
LAFmin	The minimum RMS A-weighted sound pressure level occurring within a specified time period. Measured using the "Fast" time weighting.
Lden	Is the 24 hour noise rating level determined by the averaging of the Lday with the Levening plus a 5 dB penalty and the Lnight plus a 10 dB penalty.
Low background noise	An area of low background noise is one where the existing background noise levels measured during an environmental noise survey are as follows: <ul style="list-style-type: none"> o Average Daytime Background Noise Level ≤ 40dB LAF90, and; o Average Evening Background Noise Level ≤ 35dB LAF90, and; o Average Night-time Background Noise Level ≤ 30dB LAF90.
Low frequency noise	LFN - noise which is dominated by frequency components towards the lower end of the frequency spectrum; see Appendix VI for a more detailed discussion.
LpA (dB)	An 'A-weighted decibel' K a measure of the overall level of sound across the audible frequency range (20Hz – 20kHz) with A-frequency weighting (i.e. 'A-weighting') to compensate for the varying sensitivity of the human ear to sound at different frequencies.
Noise	Any sound, that has the potential to cause disturbance, discomfort or psychological stress to a person exposed to it, or any sound that could cause actual physiological harm to a person exposed to it, or physical damage to any structure exposed to it, is known as noise.
Noise sensitive location	NSL – any dwelling house, hotel or hostel, health building, educational establishment, place of worship or entertainment, or any other facility or other area of high amenity which for its proper enjoyment requires the absence of noise at nuisance levels.
Octave band	A frequency interval, the upper limit of which is twice that of the lower limit. For example, the 1,000Hz octave band contains acoustical energy between 707Hz and 1,414Hz. The centre frequencies used for the designation of octave bands are defined in ISO and ANSI standards.
Rating level	See LAr,T.
RMS	The RMS (Root Mean Square) value of a set of numbers is the square root of the average of their squares.
SEL (LAX or LAE)	Sound exposure level – a measure of the A-weighted sound energy used to describe noise events such as the passing of a train or aircraft; it is the A-weighted sound pressure level if occurring over a period of 1 second, would contain the same amount of A-weighted sound energy as the event.
Sound pressure level	Sound pressure refers to the fluctuations in air pressure caused by the passage of a sound wave. It may be expressed in terms of sound pressure level at a point.
Specific noise level	A component of the ambient noise which can be specifically identified by acoustical means and may be associated with a specific source. In BS 4142, there is a more precise definition as follows: 'the equivalent continuous A-weighted sound pressure level at the assessment position produced by the specific noise source over a given reference time interval (LAeq, T)'.

Time weighting	One of the averaging times (Fast, Slow or Impulse) used for the measurement of RMS sound pressure level in sound level meters.
Tonal	Sounds which cover a range of only a few Hz which contains a clearly audible tone, i.e. distinguishable, discrete or continuous noise (whine, hiss, screech, or hum etc.) are referred to as being 'tonal'.
1/3 octave analysis	Frequency analysis of sound such that the frequency spectrum is subdivided into bands of one-third of an octave each.



[Guidance to completing the PRTR workbook](#)

AER Returns Workbook

Version 1.1.18

REFERENCE YEAR	2013
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1. FACILITY IDENTIFICATION

Parent Company Name	South Tipperary County Council
Facility Name	Recycling Centre and Waste Transfer Station
PRTR Identification Number	W0200
Licence Number	W0200-01

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.
4.11	Use of waste obtained from any activity referred to in a preceding paragraph of this Schedule.
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	Waller's Lot
Address 2	Cashel
Address 3	Co Tipperary
Address 4	
	Tipperary
Country	Ireland
Coordinates of Location	-7.8745 52.5126
River Basin District	IESE
NACE Code	3821
Main Economic Activity	Treatment and disposal of non-hazardous waste
AER Returns Contact Name	Pat Walsh
AER Returns Contact Email Address	pat.walsh@tipperarycoco.ie
AER Returns Contact Position	Facility Manager
AER Returns Contact Telephone Number	062 64150
AER Returns Contact Mobile Phone Number	087 2318627
AER Returns Contact Fax Number	064 64157
Production Volume	0.0
Production Volume Units	
Number of Installations	0
Number of Operating Hours in Year	0
Number of Employees	4
User Feedback/Comments	Reduction in the number of Private Companies using the site
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
Have you been granted an exemption?	
If applicable which activity class applies (as per Schedule 2 of the regulations)?	
Is the reduction scheme compliance route being used?	

4. WASTE IMPORTED/ACCEPTED ONTO SITE

[Guidance on waste imported/accepted onto site](#)

Do you import/accept waste onto your site for on-site treatment (either recovery or disposal activities)?	No
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This question is only applicable if you are an IPPC or Quarry site

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE

[PRTR# : W0200] Facility Name : Recycling Centre and Waste Transfer Station | Filename : PRTR w0200_2013.xsm | Return Year : 2013 |

07/05/2014 15:44

Please enter all quantities on this sheet in Tonnes

0

Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Haz Waste : Name and Licence/Permit No of Next Destination Facility	Haz Waste : Address of Next Destination Facility	Name and License / Permit No. and Address of Final Recoverer / Disposer (HAZARDOUS WASTE ONLY)	Actual Address of Final Destination i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY)
						M/C/E	Method Used		Non Haz Waste: Name and Licence/Permit No of Recover/Disposer	Non Haz Waste: Address of Recover/Disposer		
Within the Country	13 08 99	Yes	0.98	Waste Oil	R13	M	Weighed	Offsite in Ireland	Enva,W0184-01	.....,Ireland	Enva,W0184-01,Enva,Clonimam ind est,Portlaoise,.,Ireland	Enva,Clonimam ind est,.,Portlaoise,Ireland
Within the Country	15 01 01	No	22.48	paper and cardboard packaging	R13	M	Weighed	Offsite in Ireland	Greenstar,WO-103-81	.....,Ireland		
Within the Country	15 01 01	No	0.0	paper and cardboard packaging	R13	M	Weighed	Offsite in Ireland	Dillon Waste,WFP KY 10-001 Walker Recycling Services,WMP044B	.....,Ireland	The Kerries,.,Tralee,Co. Kerry,Ireland	
Within the Country	15 01 02	No	84.84	plastic packaging	R13	M	Weighed	Offsite in Ireland	Rehab Recycling,08/04 (Reg 635)	.....,Ireland		
Within the Country	15 01 04	No	2.12	metallic packaging	R13	M	Weighed	Offsite in Ireland	Rehab Recycling,08/04 (Reg 635)	.....,Ireland		
Within the Country	15 01 04	No	1.04	metallic packaging	R13	M	Weighed	Offsite in Ireland		.....,Ireland	Carnbarne Industrial Estate,Shepard's Drive,Newry,Down,United Kingdom	
To Other Countries	15 01 06	No	19.16	mixed packaging	R13	M	Weighed	Abroad	Regen Waste,LN/10/50/M	.....,Ireland		
Within the Country	15 01 06	No	91.12	mixed packaging	R13	M	Weighed	Offsite in Ireland	Dillon Waste,WFP KY 10-001 Clean Ireland	.....,Ireland	The Kerries,.,Tralee,Co. Kerry,Ireland	
Within the Country	15 01 06	No	1013.84	mixed packaging	R13	M	Weighed	Offsite in Ireland	Recycling,W0253-01	.....,Ireland	West,Cree,Clare,.,Ireland	
Within the Country	15 01 06	No	0.0	mixed packaging	R13	M	Weighed	Offsite in Ireland	Mr.Binman,WFP-TS-10-0006-01	.....,Ireland		
Within the Country	16 01 03	No	5.66	end-of-life tyres gases in pressure containers (including	R5	M	Weighed	Offsite in Ireland	Dundalk Co.Louth,WFP-LH-10-0005-01	.....,Ireland		
To Other Countries	16 05 04	Yes	0.0	halons) containing dangerous substances	R13	M	Weighed	Abroad	Enva,W0184-01	.....,Ireland	Geocycle,38.152/BP,Feneffe,.,.,Belgium	.....,Belgium
To Other Countries	16 06 05	No	0.46	other batteries and accumulators	R13	M	Weighed	Abroad	KMK,W0113-04	.....,Ireland	Geocycle,38.152/BP,Feneffe,.,.,Belgium	.....,Belgium
Within the Country	16 06 02	Yes	0.52	Ni-Cd batteries	R13	M	Weighed	Offsite in Ireland	KMK,W0113-04	.....,Ireland	KMK,W0114,KMK,.,Tullamore,.,Ireland	KMK,.,Tullamore,.,Ireland
Within the Country	17 02 02	No	5.92	glass	R13	M	Weighed	Offsite in Ireland	Greenstar,WO-103-81	.....,Ireland		
Within the Country	17 08 02	No	27.6	gypsum-based construction materials other than those mentioned in 17 08 01 mixed construction and demolition wastes other than those mentioned in 17 09 01, 17	R13	M	Weighed	Offsite in Ireland	Greenstar,WO-103-81	.....,Ireland		
Within the Country	17 09 04	No	71.52	09 02 and 17 09 03	R13	M	Weighed	Offsite in Ireland	Greenstar,WO-103-81	.....,Ireland		
Within the Country	20 01 01	No	27.8	paper and cardboard	R13	M	Weighed	Offsite in Ireland	Greenstar,WO-103-81	.....,Ireland		
Within the Country	20 01 02	No	40.88	glass	R13	M	Weighed	Offsite in Ireland	Rehab Recycling,08/04 (Reg 635)	.....,Ireland		
To Other Countries	20 01 10	No	27.12	clothes	R13	M	Weighed	Abroad	Cookstown Recycling,Charity	.....,United Kingdom		
Within the Country	20 01 21	Yes	0.44	fluorescent tubes and other mercury-containing waste	R13	M	Weighed	Offsite in Ireland	KMK,W0113-04	.....,Ireland	KMK,W0114,KMK,.,Tullamore,.,Ireland	KMK,.,Tullamore,.,Ireland
To Other Countries	20 01 27	Yes	1.3	dangerous substances	R13	M	Weighed	Abroad	Enva,W0184-01	.....,Ireland	Geocycle,38.152/BP,Feneffe,.,.,Belgium	.....,Belgium
To Other Countries	20 01 23	Yes	141.18	discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components	R13	M	Weighed	Abroad	KMK,W0113-04	.....,Ireland	Geocycle,38.152/BP,Feneffe,.,.,Belgium	.....,Belgium
Within the Country	20 01 38	No	357.44	wood other than that mentioned in 20 01 37	R13	M	Weighed	Offsite in Ireland	Donohill Landfill,W0074-03	.....,Ireland		
Within the Country	20 01 39	No	2.92	plastics	R13	M	Weighed	Offsite in Ireland	Greenstar,WO-103-81	.....,Ireland		
Within the Country	20 01 40	No	61.9	metals	R13	M	Weighed	Offsite in Ireland	Greenstar,WO-103-81	.....,Ireland		
Within the Country	20 03 01	No	3743.41	mixed municipal waste	D13	M	Weighed	Offsite in Ireland	Donohill Landfill,W0074-03	.....,Ireland		
Within the Country	20 03 07	No	18.16	Mattresses	R13	M	Weighed	Offsite in Ireland	Mr.Binman,WFP-TS-10-0006-01	.....,Ireland		

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

[Link to previous years waste data](#)

[Link to previous years waste summary data & percentage change](#)

[Link to Waste Guidance](#)