RILTA Environmental Limited

Annual Environmental Report
January 1st – December 31st 2012

March 2013

TOBIN CONSULTING ENGINEERS

TOBIN
Patrick J. Tobin & Co. Ltd.

REPORT

PROJECT: Rilta Environmental Ltd,
Site 14-A1

CLIENT: Rilta Environmental Ltd.
Site No. 14A1,
Greenogue Business Park,
Rathcoole,
County Dublin.

COMPANY: TOBIN Consulting Engineers
Block 10-4,
Blanchardstown Corporate Park,
Dublin 15.

www.tobin.ie

DOCUMENT AMENDMENT RECORD

Client:	Rilta Environmental Ltd.
Project:	Rilta Site 14-A1
Title:	Annual Environmental Report – January 1st to December 31st 2012

PROJECT NUMBER: 5965				DOCUMENT REF: 5965 – 04 – 01			
Final	Annual Environmental Report (AER)	JQ	27/03/13	ST	28/03/13	DG	28/03/13
Revision	Description & Rationale	Originated	Date	Checked	Date	Authorised	Date
TOBIN Consulting Engineers							

TABLE OF CONTENTS

List of Tables

List of Figures

APPENDICES

1 INTRODUCTION

The Environmental Protection Agency (EPA) issued Rilta Environmental Ltd. (Rilta) with Waste Licence Reg. No. W0185-01 for its facility at Site 14-A1, Greenogue Business Park, Rathcoole, County Dublin on 09th February 2010 (transfer of waste license). The facility is located within an industrial estate approximately 2 km east of Newcastle village and approximately 2.5km west of Rathcoole village. Rilta have been operating at the facility since 2009. Rilta retained Tobin Consulting Engineers (TOBIN) to prepare the Annual Environmental Report (AER) for the reporting period January 2012 to December 2012. This report has been prepared in accordance with Condition 11.6 and Schedule E of the waste licence and a site layout map is provided in Appendix A.

This report addresses Condition 11.6 of the waste licence for the facility. Condition 11.6 states:

11.6.1 - The licensee shall submit to the Agency for its agreement, by 31st March each year an Annual Environmental Report (AER).

11.6.2 - The AER shall include as a minimum the information specified in Schedule F: Content of Annual Environmental Report and shall be prepared in accordance with any relevant written guidance issued by the Agency.

The format of the report follows guidelines set in the "Guidance Note for Annual Environmental Report" issued by the Environmental Protection Agency. Account is also taken of the AER Draft Guidance Document and AER Information Templates issued by the Agency in January 2013.

1.1 WASTE ACTIVITIES AND RECORDS

The RILTA facility at Site 14-A1 is a fully engineered and contained industrial site. It is licensed to accept 60,000 tonnes per annum as set out in Schedule A and summarised in Table 1.1 below.

Table 1.1 Waste Acceptance - Categories and Quantities

Waste Type [Note 1]	Maximum (Tonnes Per Annum) [Note 2]
Household	7,000
Sewage Sludge	2,000
Construction and Demolition (C&D)	1,000
Industrial Sludge	2,000
Commercial and Industrial Waste	15,000
Hazardous Waste as listed in Table E.2.2 entitled 'Hazardous waste Types and Quantities' of the application.	33,000
TOTAL	60,000

Licensed Waste Disposal Activities, in accordance with the Third Schedule of the Waste Management Act, 1996:

Class 7: Physico-chemical treatment not referred to elsewhere in this Schedule (including evaporation, drying and calcination), which results in final compounds or mixtures, which are disposed of by means of any activity referred to in paragraphs 1 to 10 of this Schedule (including evaporation, drying and calcination);
This activity relates to the shredding of waste materials, including, household hazardous waste containers and metals, plastics, card and paper. Physico-chemical treatment may be carried out on effluents to meet discharge criteria.

Class 11: Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule;
This activity relates to bulking-up of waste on-site prior to shipment of waste for disposal off-site.

Class 12: Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule;
This activity relates to the baling and repackaging of various waste types prior to disposal off-site.

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;
This activity relates to the storage of hazardous and non-hazardous waste at the facility prior to disposal off-site.

Licensed Waste Disposal Activities, Fourth Schedule of the Waste Management Act, 1996.

Class 2: Recycling or reclamation of organic substances, which are not used as solvents (including composting and other biological transformation processes);
This activity relates to the recycling of various organic substances including, wood, paper/cardboard, textile materials and vegetable oils.

Class 3: Recycling or reclamation of metals and metal compounds;
This activity relates to the dismantling, shredding, baling and recycling of various metal wastes.

Class 4: Recycling or reclamation of other inorganic materials;
This activity is limited to the reclamation of refrigerator gasses.

Class 11: Use of waste obtained from any activity referred to in a preceding paragraph of this Schedule:
This activity is to make provision for the acceptance on-site for transfer to an appropriate facility of waste that has been obtained from any activity referred to previously in the Schedule.

Class 12: Exchange of waste for submission to any activity referred to in a preceding paragraph of this Schedule;
This activity refers to the exchange of certain waste types and their packaging for further processing off-site

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;
This activity is limited to the storage of waste at the facility prior to off-site recovery.

2 WASTES MANAGED

2.1 WASTE RECEIVED

Waste Data received for Rilta Site 14-A1 is summarised in Table 2.1 below.

Table 2.1 Waste Received - 2012

Waste Type	Tonnes	EWC Code
Transformers	1,626.7	16 02 13
Redundant Equipment	313.9	16 02 14
WEE	773.4	16 02 11

3 REPORT ON EMISSIONS/RESULTS AND INTERPRETATIONS OF ENVIRONMENTAL MONITORING

TOBIN implements a comprehensive environmental monitoring programme at Site 14-A1. This monitoring programme includes the assessment of:

- Surface Water;
- Groundwater;
- Wastewater;
- Noise; and
- Dust.
-

All monitoring locations are indicated on Drawing 569-42-G006 in Appendix A.

3.1 SURFACE WATER RUN OFF MONITORING

Assessment of Surface water run-off was monitored on a quarterly basis during 2012. The monitoring point is shown on Drawing 569-42-G006 in Appendix A. Schedule D of the waste license requests that pH, electrical conductivity and chemical oxygen demand are analysed, however no emission limit values (ELV) have been set out in the licence. As no ELVs are set out comparison would be made to the relevant surface water standards.

Surface water runoff from the facility is dependent on rainfall. The surface water run-off monitoring point (SW1) was dry during monitoring events Q1, Q2 & Q3 in 2012; however a sample was collected in Q4.

The analytical results of the Q 4 monitoring event are presented in Table 3.1 below and the full laboratory report is included in Appendix B. Table 3.1 includes references to the Interim Guideline Values (IGVs) published by the EPA.

Table 3.1 Surface Water Laboratory Results

Parameter	Units	IGVs	FW1
pH	pH units	6.5-9.0	8.0
Conductivity	uS/cm	1000	462
COD	mg/L	-	14

The results of the quarter 4 monitoring event indicate that there is no evidence of contamination at the facility.

3.2 WASTEWATER MONITORING

The facility is designed to collect wastewater from floor wash downs in the warehouse building and discharge to it to the municipal sewer which serves the industrial estate. However, as putrescible wastes are not accepted at the facility and floor wash downs are not required there is no wastewater discharge to sewer from the facility and no samples were present for collection during any monitoring event in 2012.

3.3 GROUNDWATER MONITORING

During 2012, groundwater monitoring was conducted quarterly and groundwater levels were recorded monthly at two monitoring points (GW1 & GW2) as shown on Drawing 569-42-G006 (see Appendix A). Monitoring was conducted in accordance with Schedule D of the waste licence.

Schedule D of the waste license requests that groundwater is analysed for pH, electrical conductivity, dissolved oxygen, total organic carbon, sulphate and chloride on a quarterly basis and that List 1 & 2 organic substances and metals are analysed on an annual basis.

However no groundwater ELVs have been set out in the licence. As no ELVs are set out comparison has been made to the relevant interim guideline values[1] (IGV) as published by the Agency. The results for both laboratory and field analysis of the groundwater during 2012 are summarised in Table 3.2 and Table 3.3 below.

Quarterly monitoring parameters pH, electrical conductivity, dissolved oxygen, chloride, sulphate, TOC were all below respective IGV limit levels, with the exception of Chloride at GW2 (34.8 mg/L) which was slightly higher than the 30mg/l IGV. Results are broadly similar to historic results from the site.

[1] EPA Interim Report – 'Towards setting guideline values for the protection of groundwater in Ireland'.

Table 3.2 In-situ GW Monitoring Results - 2012

Parameter	Units	IGV	Q1		Q2		Q3		Q4	
			GW-1	GW-2	GW-1	GW-2	GW-1	GW-2	GW-1	GW-2
pH	pH units	6.5 – 9.5	7.3	7.04	7.3	7.04	6.94	6.66	7.08	6.99
Conductivity	mS/cm	1.000	0.522	0.718	0.522	0.718	532	660	560	634
Temperature	°C	25	9.2	8.1	9.2	8.1	11.0	11.0	12.1	10.8
Dissolved Oxygen	mg/l	-	2.5	6.6	2.5	6.6	2.2	2.9	0.538	0.544

Table 3.3 Laboratory Results [2] – 2012

Parameter	Units	IGV	Q1		Q2		Q3		Q4	
			GW1	GW 2	GW1	GW 2	GW1	GW 2	GW1	GW 2
pH	pH units	6.5-9.0	7.4	7.4	7.4	7.2	7.0	6.5	7.2	7.0
Conductivity	mS/cm	1.000	719	1027	719	1027	601	782	606	705
Dissolved Oxygen	mg/l	-	4.0	4.4	4.0	4.4	7.0	7.5	6.2	6.7
Chloride	mg/l	30	20.2	34.8	22.5	29.2	18.95	22.17	19.86	17.7
Sulphate	mg/l	200	89.2	195	108.37	167.05	78.10	140.50	85.52	99.26
Total Organic Carbon	mg/l	-	2.79	4.50	2.51	4.58	0.96	2.00	2.11	2.22
SVOCs	µg/l	-	-	-	-	-	-	-	-	-
VOC	µg/l	-	-	-	-	-	-	-	-	-
Metals	µg/l	Note 1	-		<IGV Limits*	<IGV Limits	-	-	-	-

Note 1: *With the exception of Barium

[2] A full set of Laboratory Results are contained in Appendix C.

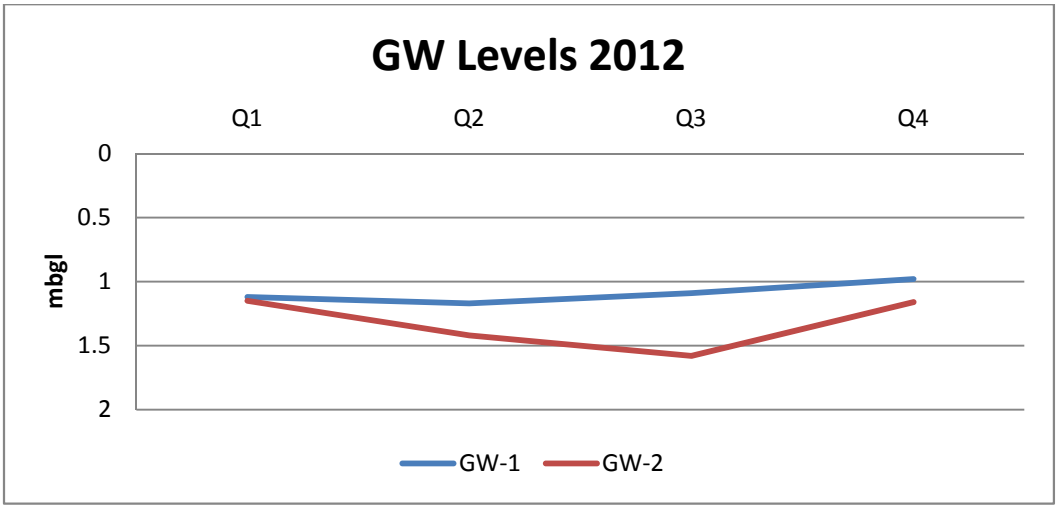


Figure 3.1 Groundwater Levels – 2012

Table 3.4 Groundwater Levels - 2012

	Units	Q1	Q2	Q3	Q4
GW-1	mbgl	1.12	1.17	1.09	0.98
GW-2	mbgl	1.15	1.42	1.58	1.16

3.4 NOISE MONITORING

Daytime and night time noise monitoring was carried out at approved noise monitoring locations (see Drawing 569-42-G006) on 2nd (daytime) and 5th (night time) of November 2012. The full noise monitoring report from 2012 detailing the noise environment at Site 14-A1 is contained in Appendix C. Noise monitoring results obtained from the day and night time surveys carried out at the RILTA facility during 2012 are summarised in Table 3.5 and Table 3.6 below.

Table 3.5 Annual Daytime Noise Monitoring Survey - 2012

DAY TIME					
Receptor	Time	Leq	L10	L90	Notes
N1	12:23	69.9	71.8	60.5	Passing road traffic on adjacent road is the dominant noise source. Activities on site at RILTA were audible along with activity at adjacent facilities and a passing aircraft.
N2	11:50	64.2	67.8	53.4	Passing road traffic is the dominant noise source (99 vehicles passed during 30 minutes of monitoring). Activities at adjacent facilities and passing aircraft also contributed to noise levels. Activity at the RILTA Facility was audible occasionally.
N3	11:09	65.4	63.6	51.5	Traffic on internal industrial estate roads and activities at adjacent premises were the dominant noise sources. Onsite activities at RILTA and passing aircraft were occasionally audible.

Table 3.6 Annual Night Time Noise Monitoring Survey - 2012

NIGHT TIME					
Receptor	Time	Leq	L10	L90	Notes
N1	22:41	48.0	48.9	41.8	Distant traffic & occasional traffic on internal industrial estate roads. Noise from surrounding premises was audible at background levels. The RILTA Facility was inaudible.
N2	22:06	51.7	47.8	41.5	Passing traffic on internal estate roads was the dominant noise source. Distant traffic & aircraft also contributed to recorded levels. The RILTA Facility was inaudible.
N3	23:19	46.8	46.2	40.1	Passing road traffic on internal estate roads was the dominant noise source. Distant traffic and noise from surrounding premises also contributed to recorded levels. The RILTA Facility was inaudible.

The noise emission limits as per Schedule C of Waste Licence 0185 – 01 are 55 dB (A) for daytime and 45 dB (A) for night time. These levels specifically relate to noise emissions arising from the facility, measured at any noise sensitive location.

Noise levels recorded at the 3 no. EPA agreed noise monitoring locations contain noise emissions from adjacent industrial sites, low flying aircraft and traffic on the internal road network of the industrial estate. Noise emissions from the RILTA facility were inaudible at all monitoring locations during night time monitoring. The RILTA facility was audible at all three locations during daytime monitoring, although the audibility of the site was only an occasional occurrence at N2 and N3. Note that the EPA agreed noise monitoring locations are all on site and do not reflect emissions at noise sensitive locations.

The A-weighted equivalent continuous sound pressure level (LAeq, 30 min) recorded at the RILTA facility was above 55 dB(A) at all of the noise monitoring locations, during the daytime monitoring event. Noise levels at N1, N2 and N3 exceeded the 55 dB (A) limit due to noise from external sources such as low flying aircraft from nearby Baldonnell Airport, passing traffic on the internal roads of the industrial estate, distant traffic on the N7 and activities in adjacent sites.

No noise emissions due to the RILTA facility were audible during the night time monitoring period. During the night time monitoring period the A-weighted equivalent continuous sound pressure level (LAeq, 30 min) was more than 45 dB(A) (night time) at all monitoring locations. As the RILTA facility was inaudible the recorded exceedance are attributed to extraneous noise sources such as traffic on the internal industrial estate road network, adjacent facilities or low flying aircraft from nearby Baldonnell Airport.

There were no impulsive noise emissions audible at any of the monitoring locations during the daytime or night time monitoring period. With regard to tonal emissions, no pure tones were detected during either the day or night time monitoring at the facility.

Full 1/3 octave frequency band analysis of all surveys is presented in Appendix C to this report.

3.5 DUST MONITORING

Dust monitoring was carried out at 4 no. monitoring locations (see Drawing 569-42-G006) during April, July and August 2012. The dust results for all 4 no. monitoring locations were below the required ELV (350mg/m^2/day) set out in waste licence 185-02, during all monitoring events in 2012. A full set of laboratory dust results from 2012 are contained in Appendix D and summarised in Table 3.7 below.

Table 3.7 Dust Monitoring Results 2012

	May-June (mg/m^2/day)	March-April (mg/m^2/day)	July- August (mg/m^2/day)
D1	26.74	43.13	85.97
D2	74.97	20.57	152.03
D3	44.04	102.84	587.66
D4	16.25	49.76	118.48

3.6 AIR EMISSION MONITORING

The air emission point TfA1 (as per drawing 569-42-G006), is no longer in use and as such does not have a monitoring requirement.

4 FOUL WATER

There have been no emissions to foul sewer in 2012.

5 OBJECTIVES AND TARGETS OF ENVIRONMENTAL MANAGEMENT SYSTEM

5.1 SCHEDULE OF ENVIRONMENTAL OBJECTIVES AND TARGETS

Details of the Environmental Management Programmes (EMP) for the RILTA Site 14-A1 facility are contained in Appendix E.

5.2 ENVIRONMENTAL MANAGEMENT PROGRAMME

Details of the 2012 and 2013 EMPs for the RILTA Site 14-A1 facility are contained in Appendix E.

6 POLLUTANT RELEASE AND TRANSFER REGISTER (PRTR)

Details of the 2012 Pollutant Release Transfer Register (PRTR) for the RILTA facility 14-A1 are contained in Appendix F.

7 PROCEDURES

There were no new procedures for 2012.

8 REPORTING INCIDENTS AND COMPLAINTS SUMMARY

There were no incidents or complaints reported for Site 14-A1 during 2012.

9 REVIEW OF NUISANCE CONTROLS

There were no nuisance emissions were reported for Site 14-A1 during 2012. This will continue to be closely monitored going forward into 2013.

10 RESOURCE AND ENERGY CONSUMPTION SUMMARY

Resource consumption at the Rilta Site 14-A1 facility during 2011 is summarised in Table 10-1 below.

Table 10.1 Resource Consumption Summary – 2011 & 2012

Resource	Units	2011	2012
Electricity	KwH	46,200	52,800
Diesel	L	820	780
Water	m^3	642	320

11 DEVELOPMENT AND INFRASTRUCTURAL WORKS

No additional development or infrastructural works were carried out or proposed during 2012.

12 REPORTS ON FINANCIAL PROVISION MADE UNDER THIS LICENCE

A proposal in respect of financial provision was submitted to the agency as part of W185-02 licence transfer to RILTA.

12.1 MANAGEMENT AND STAFFING STRUCTURE

Details of the management and staffing structure are contained in Appendix G.

12.2 PROGRAMME FOR PUBLIC INFORMATION

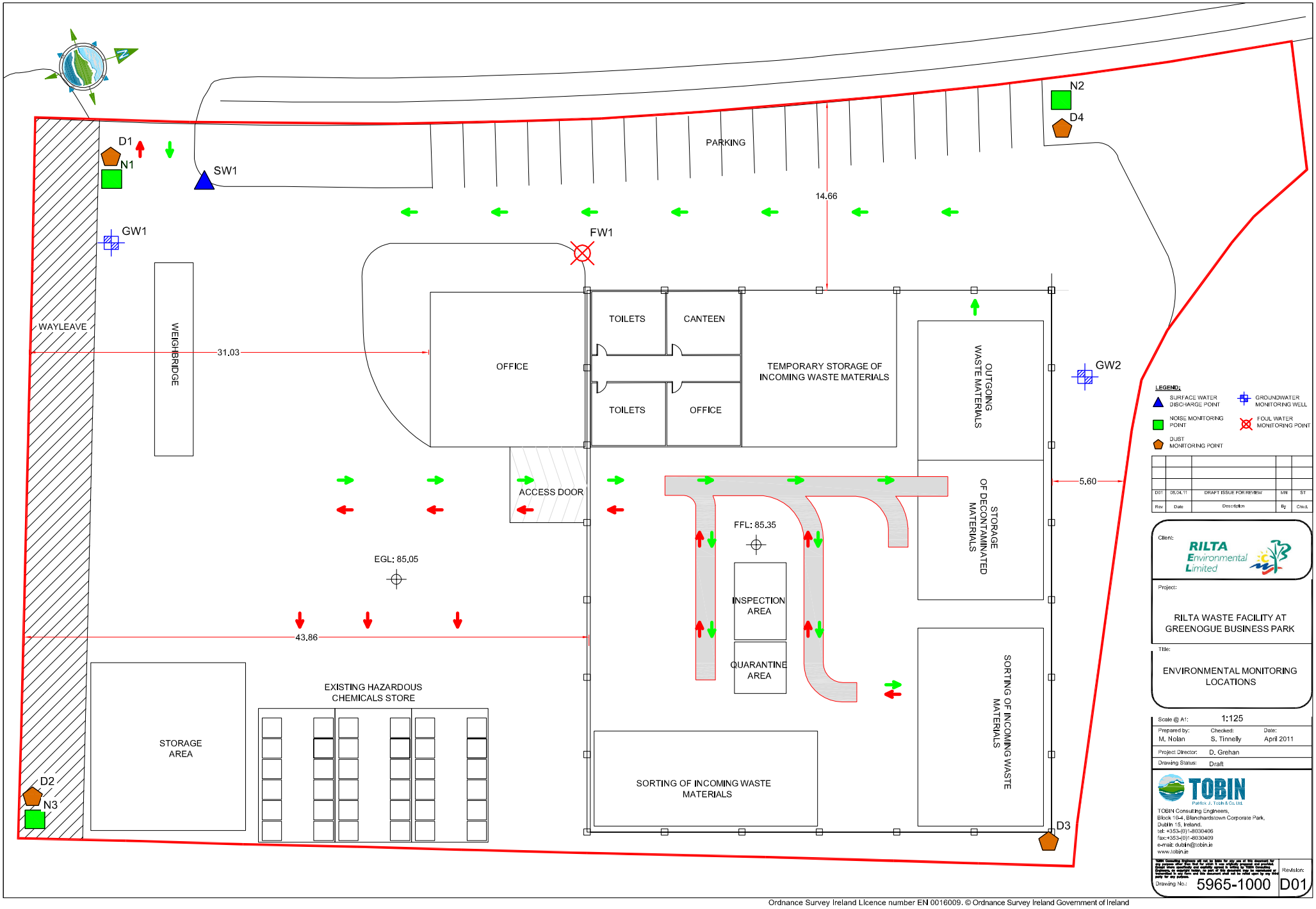
RILTA maintains a 'Public File' which contains all correspondence between RILTA and the Agency, all waste data and monitoring data as required by waste licence W0185-01. This file is available for viewing during normal office hours.

13 ANY OTHER ITEMS SPECIFIED BY THE AGENCY

No additional requirements were specified by the agency during 2012.

APPENDIX A

Site Map



APPENDIX B

Laboratory Results

Fitz scientific
Monitoring and Testing Services

Unit 35,
Boyne Business Park,
Drogheda,
Co. Louth
Ireland
Tel: +353 41 9845440
Fax: +353 41 9846171
Web: www.fitzsci.ie
email info@fitzsci.ie

A copy of this certificate is available on www.fitzsci.ie

Customer	**Colm Hussey** **Rilta Environmental Limited.** **Block 402 Grants Drive** **Grenogue Business Park** **Rathcoole** **Co. Dublin**	***Lab Report Ref. No.***	**1223/010/01**
		Date of Receipt	**11/12/2012**
		Sampled On	**11/12/2012**
		Date Testing Commenced	**11/12/2012**
		Received or Collected	**Delivered by Customer**
		Condition on Receipt	**Acceptable**
Customer PO		***Date of Report***	**17/12/2012**
Customer Ref	**Unit 14A1 Surface Water - 11/12/12**	***Sample Type***	**Surface Water**
Ref 2			

CERTIFICATE OF ANALYSIS

Test Parameter	SOP	Analytical Technique	Result	Units	Acc.
COD (Surface Water)	107	Colorimetry	14	mg/L	UKAS
Conductivity (Surface Water at 20C)	112	Electrometry	462	uscm -1@20C	UKAS
pH (Surface Water)	110	Electrometry	8.0	pH Units	UKAS

Signed : A Harmon ***Date : 17/12/2012***

Aoife Harmon - Technical Supervisor

Acc. : Accredited Parameters by ISO 17025:2005
PVL - Parametric Value Limit as per EU Drinking water Regulations (SI 278 2007)
All organic results are analysed as received and all results are corrected for dry weight at 104 C

Results contained in this report relate only to the samples tested
**The analytical result for this parameter may not be reflective of the concentration present at the time of sampling. The maximum recommended preservation time for this parameter has been exceeded.

Fitz scientific
Monitoring and Testing Services

Unit 35,
Boyne Business Park,
Drogheda,
Co. Louth
Ireland
Tel: +353 41 9845440
Fax: +353 41 9846171
Web: www.fitzsci.ie
email info@fitzsci.ie

A copy of this certificate is available on www.fitzsci.ie

Customer	**Colm Hussey** **Rilta Environmental Limited.** **Block 402 Grants Drive** **Grenogue Business Park** **Rathcoole** **Co. Dublin**	***Lab Report Ref. No.***	**1223/002/01**
		Date of Receipt	**01/02/2012**
		Sampled On	**31/01/2012**
		Date Testing Commenced	**01/02/2012**
		Received or Collected	**By Fitz:Victor**
		Condition on Receipt	**Acceptable**
Customer PO		***Date of Report***	**09/02/2012**
Customer Ref	**GW1 31/01/12**	***Sample Type***	**Groundwater**

CERTIFICATE OF ANALYSIS

Test Parameter	SOP	Analytical Technique	Result	Units	Acc.
Chloride (Ground Water)	100	Colorimetry	20.24	mg/L	UKAS
Conductivity (Ground Water)	112	Electrometry	719	uscm -1@25C	UKAS
Dissolved Oxygen (mg/l)	715	DO Meter	4.0	mg/L	
pH (Ground Water)	110	Electrometry	7.4	pH Units	UKAS
Sulphate (Ground Water)	119	Colorimetry	89.20	mg/L	UKAS
Total Organic Carbon	316	TOC analyser (NPOC)	2.79	mg/L	

Signed : A Harmon ***Date : 09/02/2012***

Aoife Harmon - Technical Supervisor

Acc. : Accredited Parameters by ISO 17025:2005
PVL - Parametric Value Limit as per EU Drinking water Regulations (SI 278 2007)
All organic results are analysed as received and all results are corrected for dry weight at 104 C

Results contained in this report relate only to the samples tested
**The analytical result for this parameter may not be reflective of the concentration present at the time of sampling. The maximum recommended preservation time for this parameter has been exceeded.

Fitz scientific
Monitoring and Testing Services

Unit 35,
Boyne Business Park,
Drogheda,
Co. Louth
Ireland
Tel: +353 41 9845440
Fax: +353 41 9846171
Web: www.fitzsci.ie
email info@fitzsci.ie

A copy of this certificate is available on www.fitzsci.ie

Customer	**Colm Hussey** **Rilta Environmental Limited.** **Block 402 Grants Drive** **Grenogue Business Park** **Rathcoole** **Co. Dublin**	***Lab Report Ref. No.***	**1223/002/02**
		Date of Receipt	**01/02/2012**
		Sampled On	**31/01/2012**
		Date Testing Commenced	**01/02/2012**
		Received or Collected	**By Fitz:Victor**
		Condition on Receipt	**Acceptable**
Customer PO		***Date of Report***	**09/02/2012**
Customer Ref	**GW2 31/01/12**	***Sample Type***	**Groundwater**

CERTIFICATE OF ANALYSIS

Test Parameter	SOP	Analytical Technique	Result	Units	Acc.
Chloride (Ground Water)	100	Colorimetry	34.85	mg/L	UKAS
Conductivity (Ground Water)	112	Electrometry	1027	uscm -1@25C	UKAS
Dissolved Oxygen (mg/l)	715	DO Meter	4.4	mg/L	
pH (Ground Water)	110	Electrometry	7.2	pH Units	UKAS
Sulphate (Ground Water)	119	Colorimetry	195.69	mg/L	UKAS
Total Organic Carbon	316	TOC analyser (NPOC)	4.50	mg/L	

Signed : A Harmon ***Date : 09/02/2012***

Aoife Harmon - Technical Supervisor

Acc. : Accredited Parameters by ISO 17025:2005
PVL - Parametric Value Limit as per EU Drinking water Regulations (SI 278 2007)
All organic results are analysed as received and all results are corrected for dry weight at 104 C

Results contained in this report relate only to the samples tested
**The analytical result for this parameter may not be reflective of the concentration present at the time of sampling. The maximum recommended preservation time for this parameter has been exceeded.

Fitz scientific
Monitoring and Testing Services

Unit 35,
Boyne Business Park,
Drogheda,
Co. Louth
Ireland
Tel: +353 41 9845440
Fax: +353 41 9846171
Web: www.fitzsci.ie
email info@fitzsci.ie

A copy of this certificate is available on www.fitzsci.ie

Customer	**Orla McAlister**	***Lab Report Ref. No.***	**1102/008/02**
	Tobin Consulting Engineers TES	***Date of Receipt***	**01/06/2012**
	Block 10-4	***Sampled On***	**31/05/2012**
	Blanchardstown Corp PK	***Date Testing Commenced***	**01/06/2012**
	Dublin 15	***Received or Collected***	**Courier: DPD**
	Dublin	***Condition on Receipt***	**Acceptable**
Customer PO		***Date of Report***	**14/06/2012**
Customer Ref	**TW1 (Annual & Quarterly)**	***Sample Type***	**Groundwater**

CERTIFICATE OF ANALYSIS

Test Parameter	SOP	Analytical Technique	Result	Units	Acc.
Boron (Ground Water)	177	ICPMS	88.57	ug/L	UKAS
Cadmium (Ground Water)	177	ICPMS	<0.09	ug/L	UKAS
Calcium (Ground water)	184	ICPMS	96.67	mg/L	UKAS
Chloride (Ground Water)	100	Colorimetry	22.53	mg/L	UKAS
Chromium (Ground Water)	177	ICPMS	<2.14	ug/L	UKAS
**Conductivity (Ground Water at 20C)	112	Electrometry	649	uscm -1@20C	
Copper (Ground Water)	177	ICPMS	6.487	ug/L	UKAS
Dissolved Oxygen (mg/l)	715	DO Meter	8.2	mg/L	
Iron (Ground Water)	177	ICPMS	582.9	ug/L	UKAS
Lead (Ground Water)	177	ICPMS	<0.02	ug/L	UKAS
Magnesium (Ground water)	184	ICPMS	7.052	mg/L	UKAS
Manganese (Ground Water)	177	ICPMS	81.09	ug/L	UKAS
Nickel (Ground Water)	177	ICPMS	1.823	ug/L	UKAS
**pH (Ground Water)	110	Electrometry	7.6	pH Units	
Potassium (Ground water)	184	ICPMS	1.006	mg/L	UKAS
SemiVolatile Organic Compounds	155	GCMS	<0.5	ug/L	
Sodium (Ground water)	184	ICPMS	11.93	mg/L	UKAS
Sulphate (Ground Water)	119	Colorimetry	108.37	mg/L	UKAS
Total Organic Carbon	316	TOC analyser (NPOC)	2.51	mg/L	
Volatile Organic Compounds	154	GCMS	<1	ug/L	
Zinc (Ground Water)	177	ICPMS	5.208	ug/L	UKAS

Signed : A Harmon ***Date : 14/06/2012***

Aoife Harmon - Technical Supervisor

Acc. : Accredited Parameters by ISO 17025:2005
PVL - Parametric Value Limit as per EU Drinking water Regulations (SI 278 2007)
All organic results are analysed as received and all results are corrected for dry weight at 104 C

Results contained in this report relate only to the samples tested
**The analytical result for this parameter may not be reflective of the concentration present at the time of sampling. The maximum recommended preservation time for this parameter has been exceeded.

Fitz scientific
Monitoring and Testing Services

Unit 35,
Boyne Business Park,
Drogheda,
Co. Louth
Ireland
Tel: +353 41 9845440
Fax: +353 41 9846171
Web: www.fitzsci.ie
email info@fitzsci.ie

A copy of this certificate is available on www.fitzsci.ie

Customer	**Orla McAlister**	***Lab Report Ref. No.***	**1102/008/03**
	Tobin Consulting Engineers TES	***Date of Receipt***	**01/06/2012**
	Block 10-4	***Sampled On***	**31/05/2012**
	Blanchardstown Corp PK	***Date Testing Commenced***	**01/06/2012**
	Dublin 15	***Received or Collected***	**Courier: DPD**
	Dublin	***Condition on Receipt***	**Acceptable**
Customer PO		***Date of Report***	**14/06/2012**
Customer Ref	**TW2 (Annual & Quarterly)**	***Sample Type***	**Groundwater**

CERTIFICATE OF ANALYSIS

Test Parameter	SOP	Analytical Technique	Result	Units	Acc.
Boron (Ground Water)	177	ICPMS	32.19	ug/L	UKAS
Cadmium (Ground Water)	177	ICPMS	0.27	ug/L	UKAS
Calcium (Ground water)	184	ICPMS	145.30	mg/L	UKAS
Chloride (Ground Water)	100	Colorimetry	29.2	mg/L	UKAS
Chromium (Ground Water)	177	ICPMS	<2.14	ug/L	UKAS
**Conductivity (Ground Water at 20C)	112	Electrometry	822	uscm -1@20C	
Copper (Ground Water)	177	ICPMS	8.52	ug/L	UKAS
Dissolved Oxygen (mg/l)	715	DO Meter	8.0	mg/L	
Iron (Ground Water)	177	ICPMS	748.5	ug/L	UKAS
Lead (Ground Water)	177	ICPMS	<0.02	ug/L	UKAS
Magnesium (Ground water)	184	ICPMS	9.175	mg/L	UKAS
Manganese (Ground Water)	177	ICPMS	568.3	ug/L	UKAS
Nickel (Ground Water)	177	ICPMS	3.031	ug/L	UKAS
**pH (Ground Water)	110	Electrometry	7.3	pH Units	
Potassium (Ground water)	184	ICPMS	1.638	mg/L	UKAS
SemiVolatile Organic Compounds	155	GCMS	<0.5	ug/L	
Sodium (Ground water)	184	ICPMS	16.58	mg/L	UKAS
Sulphate (Ground Water)	119	Colorimetry	167.05	mg/L	UKAS
Total Organic Carbon	316	TOC analyser (NPOC)	4.58	mg/L	
Volatile Organic Compounds	154	GCMS	<1	ug/L	
Zinc (Ground Water)	177	ICPMS	12.6	ug/L	UKAS

Signed : A Harmon ***Date : 14/06/2012***

Aoife Harmon - Technical Supervisor

Acc. : Accredited Parameters by ISO 17025:2005
PVL - Parametric Value Limit as per EU Drinking water Regulations (SI 278 2007)
All organic results are analysed as received and all results are corrected for dry weight at 104 C

Results contained in this report relate only to the samples tested
**The analytical result for this parameter may not be reflective of the concentration present at the time of sampling. The maximum recommended preservation time for this parameter has been exceeded.

Fitz scientific
Monitoring and Testing Services

Unit 35,
Boyne Business Park,
Drogheda,
Co. Louth
Ireland
Tel: +353 41 9845440
Fax: +353 41 9846171
Web: www.fitzsci.ie
email info@fitzsci.ie

A copy of this certificate is available on www.fitzsci.ie

Customer	**Orla McAlister** **Tobin Consulting Engineers TES** **Block 10-4** **Blanchardstown Corp PK** **Dublin 15** **Dublin**	***Lab Report Ref. No.***	**1102/011/08**
		Date of Receipt	**06/07/2012**
		Sampled On	**05/07/2012**
		Date Testing Commenced	**06/07/2012**
		Received or Collected	**Courier: DPD**
		Condition on Receipt	**Acceptable**
Customer PO		***Date of Report***	**13/07/2012**
Customer Ref	**Ref:5965 GW1 (Quarterly)**	***Sample Type***	**Groundwater**

CERTIFICATE OF ANALYSIS

Test Parameter	SOP	Analytical Technique	Result	Units	Acc.
Chloride (Ground Water)	100	Colorimetry	18.95	mg/L	UKAS
Conductivity (Ground Water at 20C)	112	Electrometry	601	uscm -1@20C	UKAS
Dissolved Oxygen (mg/l)	715	DO Meter	7.0	mg/L	
pH (Ground Water)	110	Electrometry	7.0	pH Units	UKAS
Sulphate (Ground Water)	119	Colorimetry	78.10	mg/L	UKAS
Total Organic Carbon	316	TOC analyser (NPOC)	0.96	mg/L	

Signed : A Harmon ***Date : 13/07/2012***

Aoife Harmon - Technical Supervisor

Acc. : Accredited Parameters by ISO 17025:2005
PVL - Parametric Value Limit as per EU Drinking water Regulations (SI 278 2007)
All organic results are analysed as received and all results are corrected for dry weight at 104 C

Results contained in this report relate only to the samples tested
**The analytical result for this parameter may not be reflective of the concentration present at the time of sampling. The maximum recommended preservation time for this parameter has been exceeded.

Fitz scientific
Monitoring and Testing Services

Unit 35,
Boyne Business Park,
Drogheda,
Co. Louth
Ireland
Tel: +353 41 9845440
Fax: +353 41 9846171
Web: www.fitzsci.ie
email info@fitzsci.ie

A copy of this certificate is available on www.fitzsci.ie

Customer	**Orla McAlister** **Tobin Consulting Engineers TES** **Block 10-4** **Blanchardstown Corp PK** **Dublin 15** **Dublin**	***Lab Report Ref. No.***	**1102/011/09**
		Date of Receipt	**06/07/2012**
		Sampled On	**05/07/2012**
		Date Testing Commenced	**06/07/2012**
		Received or Collected	**Courier: DPD**
		Condition on Receipt	**Acceptable**
Customer PO		***Date of Report***	**13/07/2012**
Customer Ref	**Ref:5965 GW2 (Quarterly)**	***Sample Type***	**Groundwater**

CERTIFICATE OF ANALYSIS

Test Parameter	SOP	Analytical Technique	Result	Units	Acc.
Chloride (Ground Water)	100	Colorimetry	22.17	mg/L	UKAS
Conductivity (Ground Water at 20C)	112	Electrometry	782	uscm -1@20C	UKAS
Dissolved Oxygen (mg/l)	715	DO Meter	7.5	mg/L	
pH (Ground Water)	110	Electrometry	6.5	pH Units	UKAS
Sulphate (Ground Water)	119	Colorimetry	140.50	mg/L	UKAS
Total Organic Carbon	316	TOC analyser (NPOC)	2.00	mg/L	

Signed : A Harmon ***Date : 13/07/2012***

Aoife Harmon - Technical Supervisor

Acc. : Accredited Parameters by ISO 17025:2005
PVL - Parametric Value Limit as per EU Drinking water Regulations (SI 278 2007)
All organic results are analysed as received and all results are corrected for dry weight at 104 C

Results contained in this report relate only to the samples tested
**The analytical result for this parameter may not be reflective of the concentration present at the time of sampling. The maximum recommended preservation time for this parameter has been exceeded.

Fitz scientific
Monitoring and Testing Services

Unit 35,
Boyne Business Park,
Drogheda,
Co. Louth
Ireland
Tel: +353 41 9845440
Fax: +353 41 9846171
Web: www.fitzsci.ie
email info@fitzsci.ie

A copy of this certificate is available on www.fitzsci.ie

Customer	**Jessica Quinn** **Tobin Consulting Engineers TES** **Block 10-4** **Blanchardstown Corp PK** **Dublin 15** **Dublin**	***Lab Report Ref. No.***	**1102/016/08**
		Date of Receipt	**25/10/2012**
		Sampled On	**24/10/2012**
		Date Testing Commenced	**25/10/2012**
		Received or Collected	**Courier: DPD**
		Condition on Receipt	**Acceptable**
Customer PO		***Date of Report***	**07/11/2012**
Customer Ref	**GW1 (Quarterly) - 24/10/12**	***Sample Type***	**Groundwater**
Ref 2	**Rilta Cedar Site 14-A1 Ref : 5965**		

CERTIFICATE OF ANALYSIS

Test Parameter	SOP	Analytical Technique	Result	Units	Acc.
Chloride (Ground Water)	100	Colorimetry	19.86	mg/L	UKAS
Conductivity (Ground Water at 20C)	112	Electrometry	606	uscm -1@20C	UKAS
Dissolved Oxygen (mg/l)	715	DO Meter	6.2	mg/L	
pH (Ground Water)	110	Electrometry	7.2	pH Units	UKAS
Sulphate (Ground Water)	119	Colorimetry	85.52	mg/L	UKAS
Total Organic Carbon	316	TOC analyser (NPOC)	2.11	mg/L	

Signed : A Harmon ***Date : 07/11/2012***

Aoife Harmon - Technical Supervisor

Acc. : Accredited Parameters by ISO 17025:2005
PVL - Parametric Value Limit as per EU Drinking water Regulations (SI 278 2007)
All organic results are analysed as received and all results are corrected for dry weight at 104 C

Results contained in this report relate only to the samples tested
**The analytical result for this parameter may not be reflective of the concentration present at the time of sampling. The maximum recommended preservation time for this parameter has been exceeded.

Fitz scientific
Monitoring and Testing Services

Unit 35,
Boyne Business Park,
Drogheda,
Co. Louth
Ireland
Tel: +353 41 9845440
Fax: +353 41 9846171
Web: www.fitzsci.ie
email info@fitzsci.ie

A copy of this certificate is available on www.fitzsci.ie

Customer	**Jessica Quinn** **Tobin Consulting Engineers TES** **Block 10-4** **Blanchardstown Corp PK** **Dublin 15** **Dublin**	***Lab Report Ref. No.***	**1102/016/09**
		Date of Receipt	**25/10/2012**
		Sampled On	**24/10/2012**
		Date Testing Commenced	**25/10/2012**
		Received or Collected	**Courier: DPD**
		Condition on Receipt	**Acceptable**
Customer PO		***Date of Report***	**07/11/2012**
Customer Ref	**GW2 (Quarterly) - 24/10/12**	***Sample Type***	**Groundwater**
Ref 2	**Rilta Cedar Site 14-A1 Ref : 5965**		

CERTIFICATE OF ANALYSIS

Test Parameter	SOP	Analytical Technique	Result	Units	Acc.
Chloride (Ground Water)	100	Colorimetry	17.7	mg/L	UKAS
Conductivity (Ground Water at 20C)	112	Electrometry	705	uscm -1@20C	UKAS
Dissolved Oxygen (mg/l)	715	DO Meter	6.7	mg/L	
pH (Ground Water)	110	Electrometry	7.0	pH Units	UKAS
Sulphate (Ground Water)	119	Colorimetry	99.26	mg/L	UKAS
Total Organic Carbon	316	TOC analyser (NPOC)	2.22	mg/L	

Signed : A Harmon ***Date : 07/11/2012***

Aoife Harmon - Technical Supervisor

Acc. : Accredited Parameters by ISO 17025:2005
PVL - Parametric Value Limit as per EU Drinking water Regulations (SI 278 2007)
All organic results are analysed as received and all results are corrected for dry weight at 104 C

Results contained in this report relate only to the samples tested
**The analytical result for this parameter may not be reflective of the concentration present at the time of sampling. The maximum recommended preservation time for this parameter has been exceeded.

APPENDIX C

Annual Noise Monitoring Report

Rilta Environmental Limited - Site 14-A1
Environmental Monitoring Programme

RILTA Environmental Limited

Annual Noise Survey Report

November 2012

TOBIN CONSULTING ENGINEERS

TOBIN
Patrick J. Tobin & Co. Ltd.

REPORT

PROJECT:

Rilta Environmental Ltd,
Site 14-A1

CLIENT:

Rilta Environmental Ltd.
Site No. 14A1,
Greenogue Business Park,
Rathcoole,
County Dublin.

COMPANY:

TOBIN Consulting Engineers
Block 10-4,
Blanchardstown Corporate Park,
Dublin 15.

www.tobin.ie

DOCUMENT AMENDMENT RECORD

Client: **Rilta Environmental Ltd**

Project: **Rilta Site 14-A1**

Title: **2012 Annual Noise Survey**

PROJECT NUMBER: 5965				DOCUMENT REF: 5965– 01			
Final	2012 - Annual Noise Survey	AAM	05/11/12	OMA	06/11/12	DG	07/11/12
Revision	**Description & Rationale**	**Originated**	**Date**	**Checked**	**Date**	**Authorised**	**Date**
TOBIN Consulting Engineers							

TABLE OF CONTENTS

TABLES & APPENDICES

APPENDICES

1 INTRODUCTION

Rilta Environmental Ltd. (hereafter referred to as RILTA) retained TOBIN Consulting Engineers (TOBIN) to conduct annual noise monitoring at its Site 14-A1 facility, as per Schedule D of Waste Licence 185-01. Site 14-A1 is located in Greenogue Business Park, Rathcoole, County Dublin. This report includes details of the noise monitoring conducted during the annual survey which was conducted on 2nd (daytime) & 5th (night time) November 2012.

2 ANNUAL NOISE SURVEY

The noise survey was carried out within the site boundary at three no. monitoring locations agreed with the EPA as per drawing 569 –42 –108 (see Appendix A). Weather conditions during monitoring were dry and calm with an occasional slight breeze. The following conditions were adhered to in undertaking the survey:

- Measurement of noise levels was undertaken using Type 1 instrumentation;
- Cognisance was taken of the EPA's 'Guidance Note for Noise: Licence Applications, Surveys and Assessments in relation to Scheduled Activities (NG4); and
- The survey was carried out in accordance with ISO 1996 Acoustics - Description and Measurement of Environmental Noise: Parts 1/2/3.

2.1 INSTRUMENTATION

The following instrumentation was used in the environmental noise monitoring survey:

- One Larson Davis 824 Precision Integrating Sound Level Analyser/Data logger with Real-Time Frequency Analyser Facility;
- Wind Shield Type: Larson Davis 2120 Windscreen; and
- Calibration Type: Larson Davis Precision Acoustic Calibrator Model CA200.

2.2 MEASUREMENT PROCEDURE

Daytime and night time noise monitoring was carried out on the 2nd (day) and 5th (night) of November 2012. Noise monitoring was undertaken for 30 minute intervals at three no. agreed EPA locations, as per Schedule D of Waste Licence 185-01. All the environmental noise analysers had data logging facilities set on real-time, the logged data was later downloaded via a personal computer using software. One third octave frequency analysis was taken at the locations using the 824 Precision Integrating Sound Level Analyser/Data logger with real-time frequency analyser facility.

The measurement locations were all away from reflecting surfaces and at 1.5m height above local ground.

All acoustic instrumentation was calibrated before and after the survey period and no drift of calibration was observed (calibration level 114dB at 1000Hz).

2.3 RESULTS OF NOISE SURVEY

The noise monitoring locations are described in Table 2-1 and illustrated in drawing 569 – 42 – 108 (see Appendix A). The results of the noise survey are summarised in Table 2-2 and the 1/3 octave frequency analysis data is given in graphical format in Appendix B.

Table 2-1 Noise Monitoring Locations

Monitoring Location	Description
N1	South western boundary of site
N2	North western boundary of site
N3	South eastern boundary of site

Location N1

Noise monitoring location N1 is located at the site entrance, at the south western site boundary. During daytime monitoring passing traffic was the dominant noise source. Activities onsite were audible along with activity at adjacent facilities and passing aircraft.

During night time monitoring noise sources included distant traffic and occasional traffic on internal estate roads. Noise from surrounding premises was audible in background levels. The site was not audible during night time monitoring.

Location N2

N2 is located in the north western corner of the site. During daytime monitoring passing traffic was the dominant noise source (99 vehicles passed during 30 minutes of monitoring). Activities at adjacent facilities and passing aircraft also contributed to noise levels. Onsite activity was occasionally audible at this location.

During night time monitoring the dominant noise source was traffic on internal estate roads. Distant traffic and passing aircraft also contributed to recorded levels. The site was not audible during night time monitoring.

Location N3

N3 is located at the south-eastern site boundary. During daytime monitoring at N3 the dominant noise sources were traffic on internal estate roads and activities at adjacent premises. Onsite activities and passing aircraft were occasionally audible.

During night time monitoring the dominant noise source was traffic on internal estate roads. Distant traffic and noise from surrounding premises also contributed to recorded levels. The site was not audible during night time monitoring.

Table 2-2 Noise Monitoring Results – dB(A) and 30 minute intervals

Daytime				
Receptor	**Time**	**Leq**	**L10**	**L90**
N1	12.23	69.9	71.8	60.5
N2	11.50	64.2	67.8	53.4
N3	11.09	65.4	63.6	51.5
Night time				
Receptor	**Time**	**Leq**	**L10**	**L90**
N1	22:41	48.0	48.9	41.8
N2	22:06	51.7	47.8	41.5
N3	23:19	46.8	46.2	40.1

3 CONCLUSION

The noise emission limits as per Schedule C of Waste Licence 0185 – 01 are 55 dB(A) for daytime and 45 dB(A) for night time. These levels specifically relate to noise emissions arising from the facility, measured at any noise sensitive location.

The noise emissions from RILTA Environmental Ltd. are summarised in Table 2-2 above.

Noise levels recorded at the three no. EPA agreed noise monitoring locations contain noise emissions from adjacent industrial sites, low flying aircraft and traffic on the internal road network of the industrial estate. Noise emissions from the RILTA facility were occasionally audible during the daytime monitoring but were inaudible during the night time monitoring. Note that the EPA agreed noise monitoring locations are all on site and do not reflect emissions at noise sensitive locations.

The A-weighted equivalent continuous sound pressure level (LAeq, 30 min) recorded at the RILTA facility was above 55 dB(A) at all of the noise monitoring locations, during the daytime monitoring event. Noise levels at N1, N2 and N3 exceeded the 55 dB(A) limit due to noise from external sources such as low flying aircraft from nearby Baldonnell Airport, passing traffic on the internal roads of the industrial estate and activities in adjacent sites.

No noise emissions due to the RILTA facility were audible during the night time monitoring period. During the night time monitoring period the A-weighted equivalent continuous sound pressure level (LAeq, 30 min) was more than 45 dB(A) (night time) at all monitoring locations. As the RILTA facility was inaudible

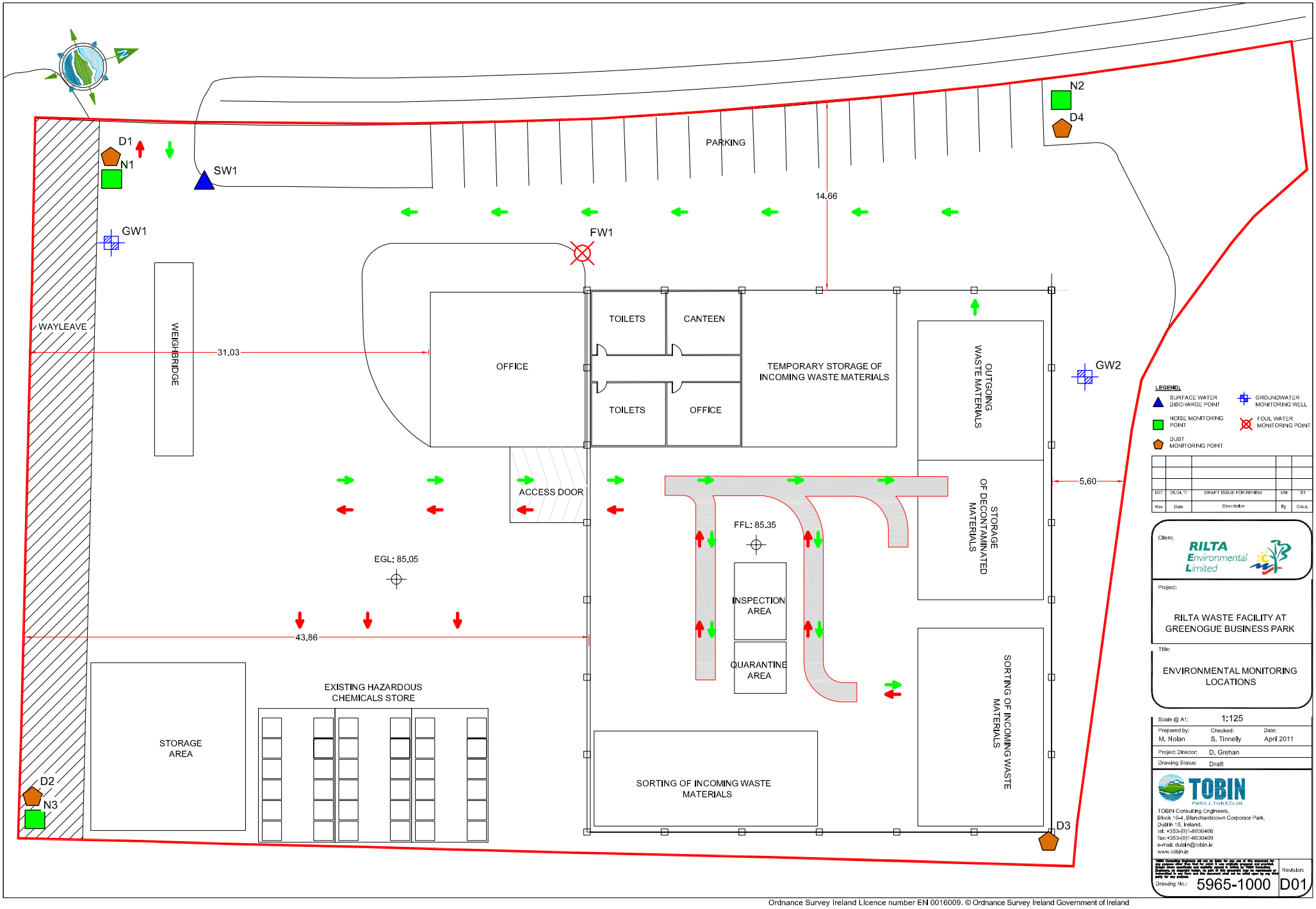
the recorded exceedances are attributed to extraneous noise sources such as traffic on the internal industrial estate road network, distant traffic or low flying aircraft from nearby Baldonnell Airport.

There were no impulsive noise emissions audible at any of the monitoring locations during the daytime or night time monitoring period. With regard to tonal emissions, no pure tones were detected during either the day or night time monitoring at the facility.

Full 1/3 octave frequency band analysis of all surveys is presented in Appendix B to this report.

APPENDIX A

Monitoring Location Map



APPENDIX B

1/3 Octave Band Frequency Analysis

Figure 3-1 N1 Daytime Frequency Analysis

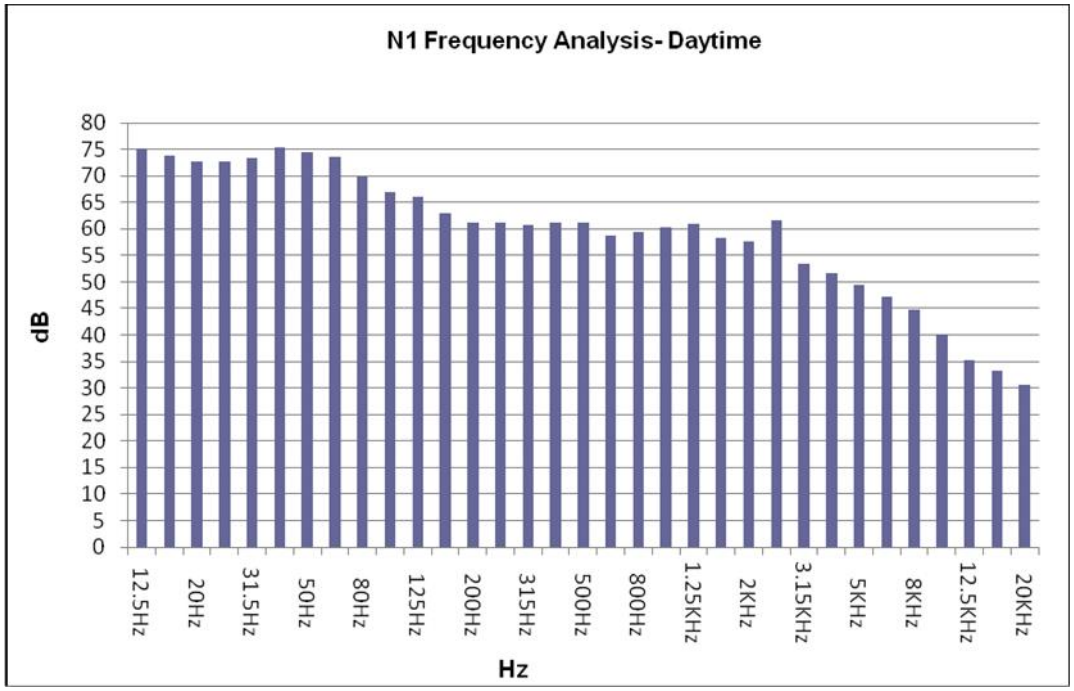


Figure 3-2 N1 Night Time Frequency Analysis

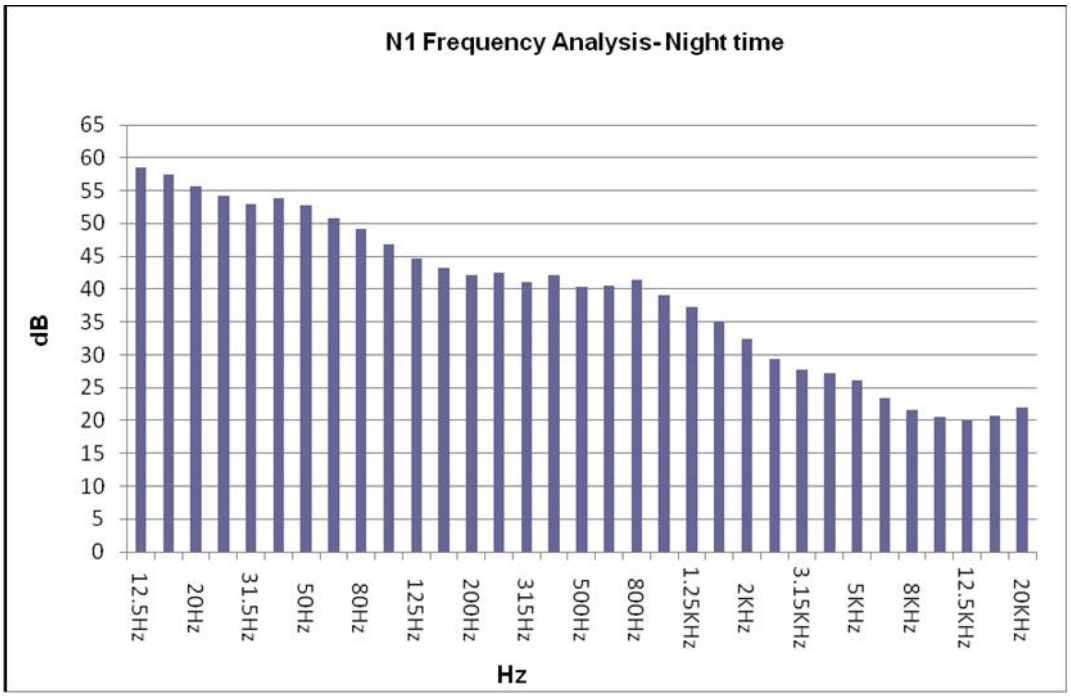


Figure 3-3 N2 Daytime Frequency Analysis

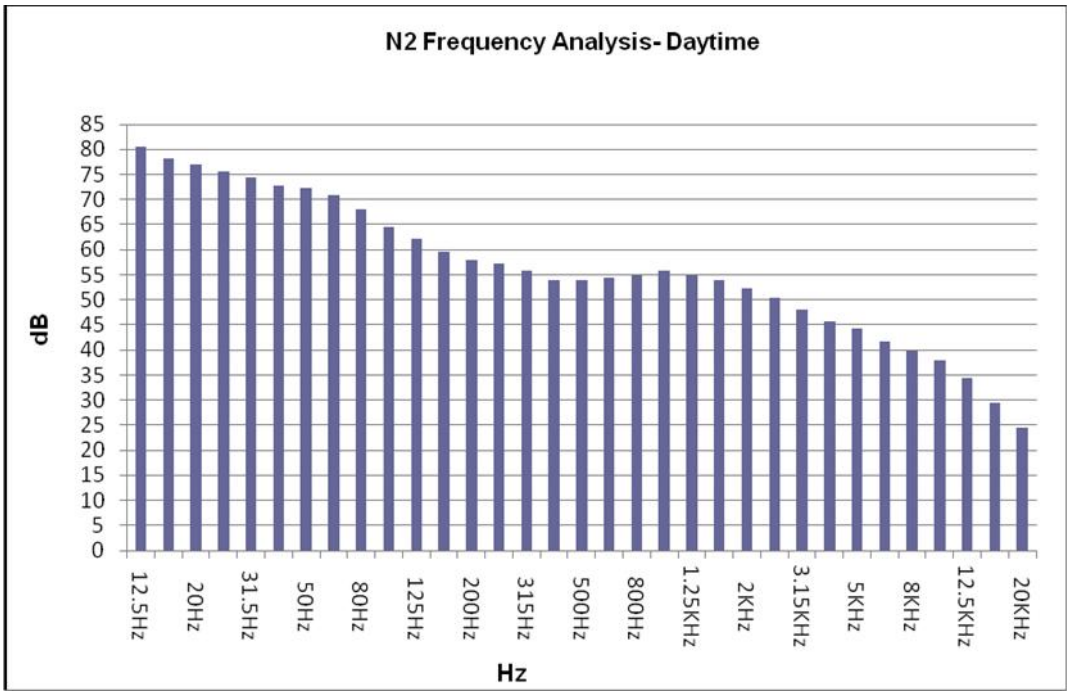


Figure 3-4 N2 Night Time Frequency Analysis

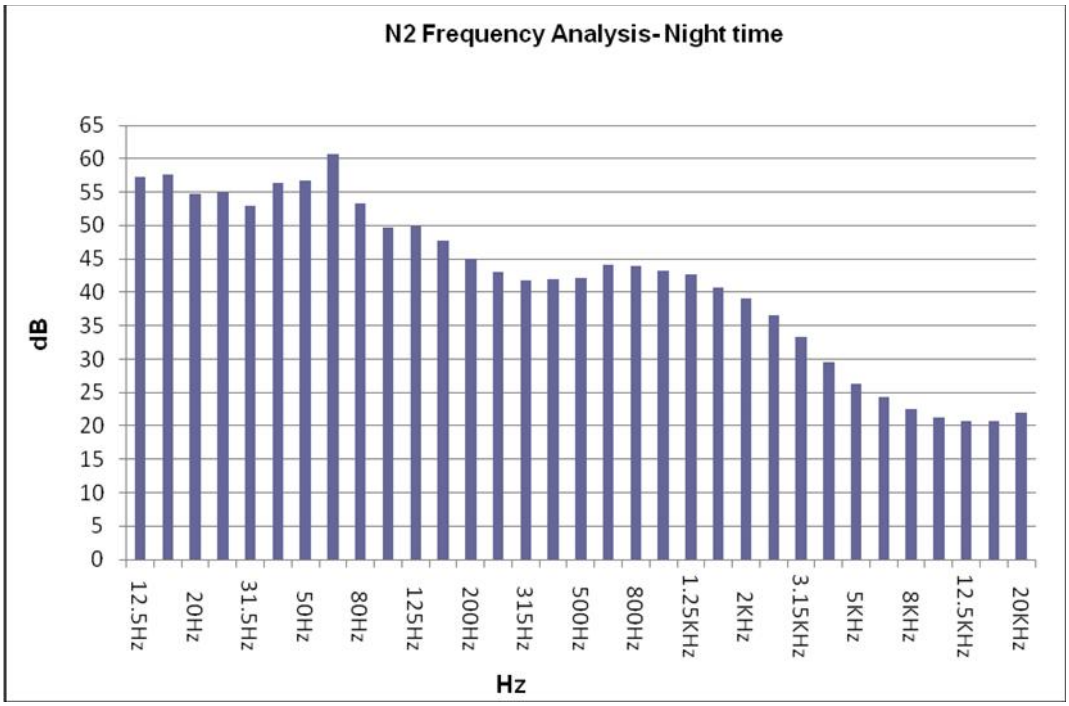


Figure 3-5 N3 Daytime Frequency Analysis

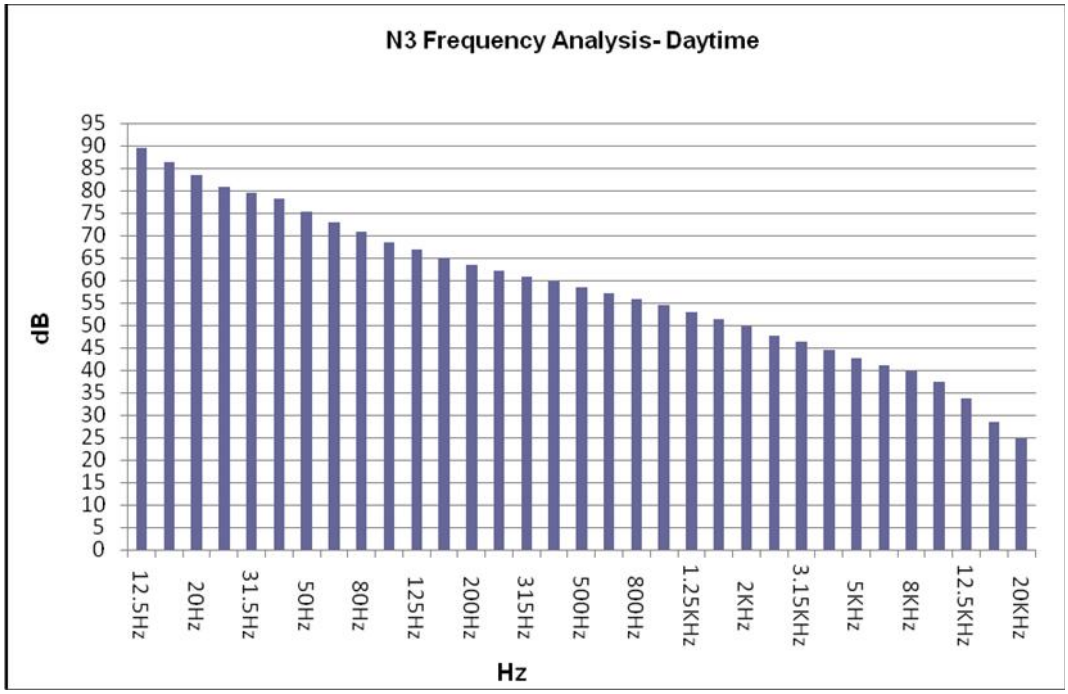
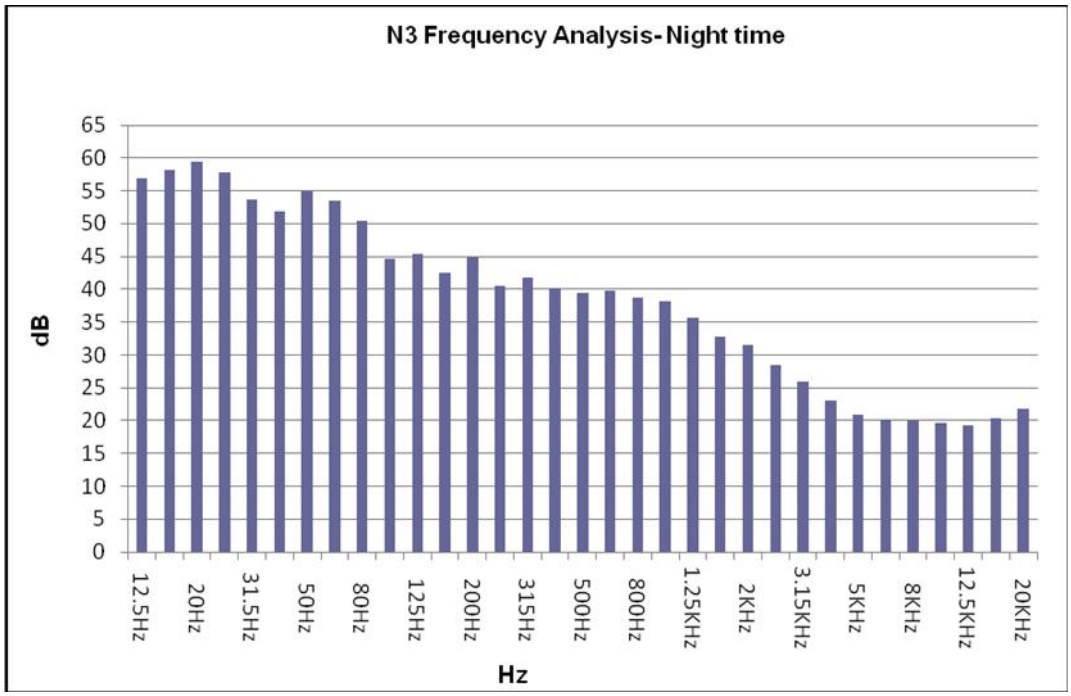


Figure 3-6 N3 Night Time Frequency Analysis



TOBIN
Patrick J. Tobin & Co. Ltd

INTERNATIONAL NETWORK

Galway
Fairgreen House,
Fairgreen Road,
Galway.
Ph +353 (0)91 565211
Fax +353 (0)91 565398
E-mail galway@tobin.ie

Dublin
Block 10-4,
Blanchardstown Corporate Park,
Dublin 15.
Ph +353 (0)1 803 0406
Fax +353 (0)1 803 0409
E-mail dublin@tobin.ie

Castlebar
Market Square,
Castlebar,
Co. Mayo.
Ph +353 (0)94 902 1401
Fax +353 (0)94 902 1534
E-mail castlebar@tobin.ie

Krakow (Poland)
Ul. Cystersow 9,
31-553,
Krakow,
Poland.
Ph +4812353 8646
Fax +48123537329
E-mail poland@tobin.ie

Oxfordshire (UK)
CAB International
Nosworthy Way,
Wallingford,
Oxfordshire.
Ph +441491829327
Fax +441491833508
E-mail uk@tobin.ie

visit us @ www.tobin.ie

APPENDIX D

Dust Monitoring Results

Fitz scientific
Monitoring and Testing Services

Unit 35,
Boyne Business Park,
Drogheda,
Co. Louth
Ireland
Tel: +353 41 9845440
Fax: +353 41 9846171
Web: www.fitzsci.ie
email info@fitzsci.ie

A copy of this certificate is available on www.fitzsci.ie

Customer	**Orla McAlister**	***Lab Report Ref. No.***	**1102/007/08**
	Tobin Consulting Engineers TES	***Date of Receipt***	**20/04/2012**
	Block 10-4	***Sampled On***	**19/04/2012**
	Blanchardstown Corp PK	***Date Testing Commenced***	**20/04/2012**
	Dublin 15	***Received or Collected***	**Courier: DPD**
	Dublin	***Condition on Receipt***	**Acceptable**
Customer PO		***Date of Report***	**27/04/2012**
Customer Ref	**D1**	***Sample Type***	**Other**

CERTIFICATE OF ANALYSIS

Test Parameter	SOP	Analytical Technique	Result	Units	Acc.
Dust	144	Gravimetry	0.0065	g	
Dust (mg/m2/day)	144	Gravimetry	43.13	mg/m2/day	

Signed : A Harmon ***Date : 27/04/2012***

Aoife Harmon - Technical Supervisor

Acc. : Accredited Parameters by ISO 17025:2005
PVL - Parametric Value Limit as per EU Drinking water Regulations (SI 278 2007)
All organic results are analysed as received and all results are corrected for dry weight at 104 C

Results contained in this report relate only to the samples tested
**The analytical result for this parameter may not be reflective of the concentration present at the time of sampling. The maximum recommended preservation time for this parameter has been exceeded.

Fitz scientific
Monitoring and Testing Services

Unit 35,
Boyne Business Park,
Drogheda,
Co. Louth
Ireland
Tel: +353 41 9845440
Fax: +353 41 9846171
Web: www.fitzsci.ie
email info@fitzsci.ie

A copy of this certificate is available on www.fitzsci.ie

Customer	**Orla McAlister**	***Lab Report Ref. No.***	**1102/007/09**
	Tobin Consulting Engineers TES	***Date of Receipt***	**20/04/2012**
	Block 10-4	***Sampled On***	**19/04/2012**
	Blanchardstown Corp PK	***Date Testing Commenced***	**20/04/2012**
	Dublin 15	***Received or Collected***	**Courier: DPD**
	Dublin	***Condition on Receipt***	**Acceptable**
Customer PO		***Date of Report***	**27/04/2012**
Customer Ref	**D2**	***Sample Type***	**Other**

CERTIFICATE OF ANALYSIS

Test Parameter	SOP	Analytical Technique	Result	Units	Acc.
Dust	144	Gravimetry	0.0031	g	
Dust (mg/m2/day)	144	Gravimetry	20.57	mg/m2/day	

Signed : A Harmon ***Date : 27/04/2012***

Aoife Harmon - Technical Supervisor

Acc. : Accredited Parameters by ISO 17025:2005
PVL - Parametric Value Limit as per EU Drinking water Regulations (SI 278 2007)
All organic results are analysed as received and all results are corrected for dry weight at 104 C

Results contained in this report relate only to the samples tested
**The analytical result for this parameter may not be reflective of the concentration present at the time of sampling. The maximum recommended preservation time for this parameter has been exceeded.

Fitz scientific
Monitoring and Testing Services

Unit 35,
Boyne Business Park,
Drogheda,
Co. Louth
Ireland
Tel: +353 41 9845440
Fax: +353 41 9846171
Web: www.fitzsci.ie
email info@fitzsci.ie

A copy of this certificate is available on www.fitzsci.ie

Customer	**Orla McAlister** **Tobin Consulting Engineers TES** **Block 10-4** **Blanchardstown Corp PK** **Dublin 15** **Dublin**	***Lab Report Ref. No.***	**1102/007/10**
		Date of Receipt	**20/04/2012**
		Sampled On	**19/04/2012**
		Date Testing Commenced	**20/04/2012**
		Received or Collected	**Courier: DPD**
		Condition on Receipt	**Acceptable**
Customer PO		***Date of Report***	**27/04/2012**
Customer Ref	**D3**	***Sample Type***	**Other**

CERTIFICATE OF ANALYSIS

Test Parameter	SOP	Analytical Technique	Result	Units	Acc.
Dust	144	Gravimetry	0.0155	g	
Dust (mg/m2/day)	144	Gravimetry	102.84	mg/m2/day	

Signed : A Harmon ***Date : 27/04/2012***

Aoife Harmon - Technical Supervisor

Acc. : Accredited Parameters by ISO 17025:2005
PVL - Parametric Value Limit as per EU Drinking water Regulations (SI 278 2007)
All organic results are analysed as received and all results are corrected for dry weight at 104 C

Results contained in this report relate only to the samples tested
**The analytical result for this parameter may not be reflective of the concentration present at the time of sampling. The maximum recommended preservation time for this parameter has been exceeded.

Fitz scientific
Monitoring and Testing Services

Unit 35,
Boyne Business Park,
Drogheda,
Co. Louth
Ireland
Tel: +353 41 9845440
Fax: +353 41 9846171
Web: www.fitzsci.ie
email info@fitzsci.ie

A copy of this certificate is available on www.fitzsci.ie

Customer	**Orla McAlister**	***Lab Report Ref. No.***	**1102/007/11**
	Tobin Consulting Engineers TES	***Date of Receipt***	**20/04/2012**
	Block 10-4	***Sampled On***	**19/04/2012**
	Blanchardstown Corp PK	***Date Testing Commenced***	**20/04/2012**
	Dublin 15	***Received or Collected***	**Courier: DPD**
	Dublin	***Condition on Receipt***	**Acceptable**
Customer PO		***Date of Report***	**27/04/2012**
Customer Ref	**D4**	***Sample Type***	**Other**

CERTIFICATE OF ANALYSIS

Test Parameter	SOP	Analytical Technique	Result	Units	Acc.
Dust	144	Gravimetry	0.0075	g	
Dust (mg/m2/day)	144	Gravimetry	49.76	mg/m2/day	

Signed : A Harmon ***Date : 27/04/2012***

Aoife Harmon - Technical Supervisor

Acc. : Accredited Parameters by ISO 17025:2005
PVL - Parametric Value Limit as per EU Drinking water Regulations (SI 278 2007)
All organic results are analysed as received and all results are corrected for dry weight at 104 C

Results contained in this report relate only to the samples tested
**The analytical result for this parameter may not be reflective of the concentration present at the time of sampling. The maximum recommended preservation time for this parameter has been exceeded.

Fitz scientific
Monitoring and Testing Services

Unit 35,
Boyne Business Park,
Drogheda,
Co. Louth
Ireland
Tel: +353 41 9845440
Fax: +353 41 9846171
Web: www.fitzsci.ie
email info@fitzsci.ie

A copy of this certificate is available on www.fitzsci.ie

Customer	**Claire Walsh** **Tobin Consulting Engineers TES** **Block 10-4** **Blanchardstown Corp PK** **Dublin 15** **Dublin**	***Lab Report Ref. No.***	**1102/010/04**
		Date of Receipt	**04/07/2012**
		Sampled On	**27/06/2012**
		Date Testing Commenced	**04/07/2012**
		Received or Collected	**By Fitz:Paul**
		Condition on Receipt	**Acceptable**
Customer PO		***Date of Report***	**09/07/2012**
Customer Ref	**Cedar Site - D1 (30/05/12 - 27/06/12)**	***Sample Type***	**Other**

CERTIFICATE OF ANALYSIS

Test Parameter	SOP	Analytical Technique	Result	Units	Acc.
Dust	144	Gravimetry	0.0309	g	
Dust (mg/m2/day)	144	Gravimetry	26.74	mg/m2/day	

Signed : A Harmon ***Date : 09/07/2012***

Aoife Harmon - Technical Supervisor

Acc. : Accredited Parameters by ISO 17025:2005
PVL - Parametric Value Limit as per EU Drinking water Regulations (SI 278 2007)
All organic results are analysed as received and all results are corrected for dry weight at 104 C

Results contained in this report relate only to the samples tested
**The analytical result for this parameter may not be reflective of the concentration present at the time of sampling. The maximum recommended preservation time for this parameter has been exceeded.

Fitz scientific
Monitoring and Testing Services

Unit 35,
Boyne Business Park,
Drogheda,
Co. Louth
Ireland
Tel: +353 41 9845440
Fax: +353 41 9846171
Web: www.fitzsci.ie
email info@fitzsci.ie

A copy of this certificate is available on www.fitzsci.ie

Customer	**Claire Walsh** **Tobin Consulting Engineers TES** **Block 10-4** **Blanchardstown Corp PK** **Dublin 15** **Dublin**	***Lab Report Ref. No.***	**1102/010/05**
		Date of Receipt	**04/07/2012**
		Sampled On	**27/06/2012**
		Date Testing Commenced	**04/07/2012**
		Received or Collected	**By Fitz:Paul**
		Condition on Receipt	**Acceptable**
Customer PO		***Date of Report***	**09/07/2012**
Customer Ref	**Cedar Site - D2 (30/05/12 - 27/06/12)**	***Sample Type***	**Other**

CERTIFICATE OF ANALYSIS

Test Parameter	SOP	Analytical Technique	Result	Units	Acc.
Dust	144	Gravimetry	0.0435	g	
Dust (mg/m2/day)	144	Gravimetry	74.97	mg/m2/day	

Signed : A Harmon ***Date : 09/07/2012***

Aoife Harmon - Technical Supervisor

Acc. : Accredited Parameters by ISO 17025:2005
PVL - Parametric Value Limit as per EU Drinking water Regulations (SI 278 2007)
All organic results are analysed as received and all results are corrected for dry weight at 104 C

Results contained in this report relate only to the samples tested
**The analytical result for this parameter may not be reflective of the concentration present at the time of sampling. The maximum recommended preservation time for this parameter has been exceeded.

Fitz scientific
Monitoring and Testing Services

Unit 35,
Boyne Business Park,
Drogheda,
Co. Louth
Ireland
Tel: +353 41 9845440
Fax: +353 41 9846171
Web: www.fitzsci.ie
email info@fitzsci.ie

A copy of this certificate is available on www.fitzsci.ie

Customer	**Claire Walsh** **Tobin Consulting Engineers TES** **Block 10-4** **Blanchardstown Corp PK** **Dublin 15** **Dublin**	***Lab Report Ref. No.***	**1102/010/06**
		Date of Receipt	**04/07/2012**
		Sampled On	**27/06/2012**
		Date Testing Commenced	**04/07/2012**
		Received or Collected	**By Fitz:Paul**
		Condition on Receipt	**Acceptable**
Customer PO		***Date of Report***	**09/07/2012**
Customer Ref	**Cedar Site - D3 (30/05/12 - 27/06/12)**	***Sample Type***	**Other**

CERTIFICATE OF ANALYSIS

Test Parameter	SOP	Analytical Technique	Result	Units	Acc.
Dust	144	Gravimetry	0.0582	g	
Dust (mg/m2/day)	144	Gravimetry	44.04	mg/m2/day	

Signed : A Harmon ***Date : 09/07/2012***

Aoife Harmon - Technical Supervisor

Acc. : Accredited Parameters by ISO 17025:2005
PVL - Parametric Value Limit as per EU Drinking water Regulations (SI 278 2007)
All organic results are analysed as received and all results are corrected for dry weight at 104 C

Results contained in this report relate only to the samples tested
**The analytical result for this parameter may not be reflective of the concentration present at the time of sampling. The maximum recommended preservation time for this parameter has been exceeded.

Fitz scientific
Monitoring and Testing Services

Unit 35,
Boyne Business Park,
Drogheda,
Co. Louth
Ireland
Tel: +353 41 9845440
Fax: +353 41 9846171
Web: www.fitzsci.ie
email info@fitzsci.ie

A copy of this certificate is available on www.fitzsci.ie

Customer	**Claire Walsh** **Tobin Consulting Engineers TES** **Block 10-4** **Blanchardstown Corp PK** **Dublin 15** **Dublin**	***Lab Report Ref. No.***	**1102/010/07**
		Date of Receipt	**04/07/2012**
		Sampled On	**27/06/2012**
		Date Testing Commenced	**04/07/2012**
		Received or Collected	**By Fitz:Paul**
		Condition on Receipt	**Acceptable**
Customer PO		***Date of Report***	**09/07/2012**
Customer Ref	**Cedar Site - D4 (30/05/12 - 27/06/12)**	***Sample Type***	**Other**

CERTIFICATE OF ANALYSIS

Test Parameter	SOP	Analytical Technique	Result	Units	Acc.
Dust	144	Gravimetry	0.0460	g	
Dust (mg/m2/day)	144	Gravimetry	16.25	mg/m2/day	

Signed : A Harmon ***Date : 09/07/2012***

Aoife Harmon - Technical Supervisor

Acc. : Accredited Parameters by ISO 17025:2005
PVL - Parametric Value Limit as per EU Drinking water Regulations (SI 278 2007)
All organic results are analysed as received and all results are corrected for dry weight at 104 C

Results contained in this report relate only to the samples tested
**The analytical result for this parameter may not be reflective of the concentration present at the time of sampling. The maximum recommended preservation time for this parameter has been exceeded.

Fitz scientific
Monitoring and Testing Services

Unit 35,
Boyne Business Park,
Drogheda,
Co. Louth
Ireland
Tel: +353 41 9845440
Fax: +353 41 9846171
Web: www.fitzsci.ie
email info@fitzsci.ie

A copy of this certificate is available on www.fitzsci.ie

Customer	**Orla McAlister** **Tobin Consulting Engineers TES** **Block 10-4** **Blanchardstown Corp PK** **Dublin 15** **Dublin**	***Lab Report Ref. No.***	**1102/013/04**
		Date of Receipt	**04/08/2012**
		Sampled On	**02/08/2012**
		Date Testing Commenced	**04/08/2012**
		Received or Collected	**Courier: DPD**
		Condition on Receipt	**Unacceptable**
Customer PO		***Date of Report***	**14/08/2012**
Customer Ref	**Cedar Site - D1 28 Days Exposure**	***Sample Type***	**Other**
Ref 2			

CERTIFICATE OF ANALYSIS

Test Parameter	SOP	Analytical Technique	Result	Units	Acc.
Dust	144	Gravimetry	0.0164	g	
Dust (mg/m2/day)	144	Gravimetry	85.97	mg/m2/day	

Signed : A Harmon ***Date : 14/08/2012***

Aoife Harmon - Technical Supervisor

Acc. : Accredited Parameters by ISO 17025:2005
PVL - Parametric Value Limit as per EU Drinking water Regulations (SI 278 2007)
All organic results are analysed as received and all results are corrected for dry weight at 104 C

Results contained in this report relate only to the samples tested
**The analytical result for this parameter may not be reflective of the concentration present at the time of sampling. The maximum recommended preservation time for this parameter has been exceeded.

Fitz scientific
Monitoring and Testing Services

Unit 35,
Boyne Business Park,
Drogheda,
Co. Louth
Ireland
Tel: +353 41 9845440
Fax: +353 41 9846171
Web: www.fitzsci.ie
email info@fitzsci.ie

A copy of this certificate is available on www.fitzsci.ie

Customer	**Orla McAlister** **Tobin Consulting Engineers TES** **Block 10-4** **Blanchardstown Corp PK** **Dublin 15** **Dublin**	***Lab Report Ref. No.***	**1102/013/05**
		Date of Receipt	**04/08/2012**
		Sampled On	**02/08/2012**
		Date Testing Commenced	**04/08/2012**
		Received or Collected	**Courier: DPD**
		Condition on Receipt	**Unacceptable**
Customer PO		***Date of Report***	**14/08/2012**
Customer Ref	**Cedar Site - D2 28 Days Exposure**	***Sample Type***	**Other**
Ref 2			

CERTIFICATE OF ANALYSIS

Test Parameter	SOP	Analytical Technique	Result	Units	Acc.
Dust	144	Gravimetry	0.0290	g	
Dust (mg/m2/day)	144	Gravimetry	152.03	mg/m2/day	

Signed : A Harmon ***Date : 14/08/2012***

Aoife Harmon - Technical Supervisor

Acc. : Accredited Parameters by ISO 17025:2005
PVL - Parametric Value Limit as per EU Drinking water Regulations (SI 278 2007)
All organic results are analysed as received and all results are corrected for dry weight at 104 C

Results contained in this report relate only to the samples tested
**The analytical result for this parameter may not be reflective of the concentration present at the time of sampling. The maximum recommended preservation time for this parameter has been exceeded.

Fitz scientific
Monitoring and Testing Services

Unit 35,
Boyne Business Park,
Drogheda,
Co. Louth
Ireland
Tel: +353 41 9845440
Fax: +353 41 9846171
Web: www.fitzsci.ie
email info@fitzsci.ie

A copy of this certificate is available on www.fitzsci.ie

Customer	**Orla McAlister** **Tobin Consulting Engineers TES** **Block 10-4** **Blanchardstown Corp PK** **Dublin 15** **Dublin**	***Lab Report Ref. No.***	**1102/013/06**
		Date of Receipt	**04/08/2012**
		Sampled On	**02/08/2012**
		Date Testing Commenced	**04/08/2012**
		Received or Collected	**Courier: DPD**
		Condition on Receipt	**Unacceptable**
Customer PO		***Date of Report***	**14/08/2012**
Customer Ref	**Cedar Site - D3 28 Days Exposure**	***Sample Type***	**Other**
Ref 2			

CERTIFICATE OF ANALYSIS

Test Parameter	SOP	Analytical Technique	Result	Units	Acc.
Dust	144	Gravimetry	0.1121	g	
Dust (mg/m2/day)	144	Gravimetry	587.66	mg/m2/day	

Signed : A Harmon ***Date : 14/08/2012***

Aoife Harmon - Technical Supervisor

Acc. : Accredited Parameters by ISO 17025:2005
PVL - Parametric Value Limit as per EU Drinking water Regulations (SI 278 2007)
All organic results are analysed as received and all results are corrected for dry weight at 104 C

Results contained in this report relate only to the samples tested
**The analytical result for this parameter may not be reflective of the concentration present at the time of sampling. The maximum recommended preservation time for this parameter has been exceeded.

Fitz scientific
Monitoring and Testing Services

Unit 35,
Boyne Business Park,
Drogheda,
Co. Louth
Ireland
Tel: +353 41 9845440
Fax: +353 41 9846171
Web: www.fitzsci.ie
email info@fitzsci.ie

A copy of this certificate is available on www.fitzsci.ie

Customer	**Orla McAlister** **Tobin Consulting Engineers TES** **Block 10-4** **Blanchardstown Corp PK** **Dublin 15** **Dublin**	***Lab Report Ref. No.***	**1102/013/07**
		Date of Receipt	**04/08/2012**
		Sampled On	**02/08/2012**
		Date Testing Commenced	**04/08/2012**
		Received or Collected	**Courier: DPD**
		Condition on Receipt	**Unacceptable**
Customer PO		***Date of Report***	**14/08/2012**
Customer Ref	**Cedar Site - D4 28 Days Exposure**	***Sample Type***	**Other**
Ref 2			

CERTIFICATE OF ANALYSIS

Test Parameter	SOP	Analytical Technique	Result	Units	Acc.
Dust	144	Gravimetry	0.0226	g	
Dust (mg/m2/day)	144	Gravimetry	118.48	mg/m2/day	

Signed : A Harmon ***Date : 14/08/2012***

Aoife Harmon - Technical Supervisor

Acc. : Accredited Parameters by ISO 17025:2005
PVL - Parametric Value Limit as per EU Drinking water Regulations (SI 278 2007)
All organic results are analysed as received and all results are corrected for dry weight at 104 C

Results contained in this report relate only to the samples tested
**The analytical result for this parameter may not be reflective of the concentration present at the time of sampling. The maximum recommended preservation time for this parameter has been exceeded.

APPENDIX E

Environmental Management Plan (EMP) 2012 & 2013

RILTA ENVIRONMENTAL Ltd.

ENVIRONMENTAL MANAGEMENT SYSTEM

ENVIRONMENTAL MANAGEMENT PLAN

ER-003

In accordance with
ISO 14001

ENVIRONMENTAL MANAGEMENT PROGRAMME FOR THE ACHIEVEMENT OF OBJECTIVES AND TARGETS

EMP Ref.	***Objective***	***Target***	***Environmental Management Programme for the implementation of objectives.***	***Responsible Person***	***Completion Date***	***Completed (Y/N)***
1	Increase environmental awareness among RILTA staff.	Develop and issue quarterly e-mail environmental bulletin.	Confirm content IT to design email template Input information Distribute	CH ONE51 IT CK CH	June 12 June 12 August 12 August 12	N
2	Promote best practice in the processing of waste generated on site.	Change current method of disposing dry sludge to prevent leachate production	Confirm most suitable site Assess most suitable method of transport Assess most suitable method of storage prior to transport which doesn't allow for leachate accumulation 1st load exported	RS/SC RS/SC EI/CH DG	Mar 12 Apr 12 May 12 June 12	Y Y Y Y

EMP Ref.	***Objective***	***Target***	***Environmental Management Programme for the implementation of objectives.***	***Responsible Person***	***Completion Date***	***Completed (Y/N)***
3	Improve site housekeeping.	Implement weekly 'Friday tidy up'	Draw up groupings to share tidy up responsibility between sections. Assign a responsible person for each group and post the rota. Assess effectiveness and meet with responsible persons	CH CH CH	Feb 12 Feb 12 Apr 12	y y y
4	Reduce trade effluent sent to foul sewer	Install a treated effluent re-use tank	Further investigate treated effluent polishing system Implement system if approved. Assess polished effluent for general site use Install Tank if approved Expand use through the whole site	EI/CH EI/DG EI/CH EI/CH EI	June 12 Sept 12 Oct 12 Feb 13 June 13	y Yes y

EMP Ref.	***Objective***	***Target***	***Environmental Management Programme for the implementation of objectives.***	***Responsible Person***	***Completion Date***	***Completed (Y/N)***
5	Reduce use of hazardous raw materials used on site.	Implement the 'treat waste with waste' best practice method on an ongoing basis Reduce volume of Xylene by 5%	Source suitable waste streams for treatment Laboratory approval for the usage of wastes for treatment Investigate the possible usage of waste solvents in instead of product.		Ongoing Ongoing Dec 2012	y y y
6	Optimize the quality of effluent discharged to sewer	As No. 4	As No. 4			

EMP Ref.	***Objective***	***Target***	***Environmental Management Programme for the implementation of objectives.***	***Responsible Person***	***Completion Date***	***Completed (Y/N)***
7	To be a good and considerate neighbour.	No complaints	Complete noise monitoring.	CH	Ongoing	y
			Monitor adjoining river on a yearly basis.	CH	Ongoing	Yes
			Maintain a 'complaints register' and review annually.	CH	Ongoing	Yes
			Liaise with industrial neighbours on a quarterly basis	CH	Ongoing	Yes
			Implement 'closed door' policy system	CM/DG	Ongoing	Yes
			Cold cutting at the cedar site to take place inside with	DG	Ongoing	y

			doors close			
EMP Ref.	***Objective***	***Target***	***Environmental Management Programme for the implementation of objectives.***	***Responsible Person***	***Completion Date***	***Completed (Y/N)***
8	To Be Energy Efficient	Reduce Water and electricity usage	Complete targeted energy audit. Assess findings of audit. Implement findings of audit if economically and practically feasible.	CH CH/EI CH/EI	Apr 12 May 12 Dec 12	n

RILTA ENVIRONMENTAL Ltd.

ENVIRONMENTAL MANAGEMENT SYSTEM

ENVIRONMENTAL MANAGEMENT PLAN

In accordance with
ISO 14001

ENVIRONMENTAL MANAGEMENT PROGRAMME FOR THE ACHIEVEMENT OF OBJECTIVES AND TARGETS

EMP Ref.	***Objective***	***Target***	***Environmental Management Programme for the implementation of objectives.***	***Responsible Person***	***Completion Date***	***Completed (Y/N)***
1	Increase environmental awareness among RILTA staff.	Develop and issue quarterly e-mail environmental bulletin.	Confirm content IT to design email template Input information Distribute	CH ONE51 IT CH CH	June 13 June 13 August 13 August 13	
2	Promote best practice in the processing of waste generated on site.	Ensure all pallets are recovered	Maintain current pallet storage area to maximize capacity. Ensure broken pallets are not thrown in the skip Have clean and broken pallets collected once a month	CM CM CM	May 13 May 13 May 13	

EMP Ref.	***Objective***	***Target***	***Environmental Management Programme for the implementation of objectives.***	***Responsible Person***	***Completion Date***	***Completed (Y/N)***
3	Improve site housekeeping.	Empty Drums loading Bay Remove all drums from back of drum division	1 person one Saturday per month to shred washed IBCs currently on loading bay. 1 person one Saturday per month to crush drums at back of drum division	AR AR	May 13 May 13	
4	Ensure only clean water released to the river	No ELV breaches	Implement thorough cleaning of attenuation tank and repeat on a 3 year basis Skim storm water interceptor on a monthly basis Replace damaged concrete on a rota basis to ensure no damaged areas by 2015	CH CH CH	June 13 Ongoing Dec 14	

EMP Ref.	***Objective***	***Target***	***Environmental Management Programme for the implementation of objectives.***	***Responsible Person***	***Completion Date***	***Completed (Y/N)***
5	Reduce use of hazardous raw materials used on site.	Implement the 'treat waste with waste' best practice method on an ongoing basis	Source suitable waste streams for treatment Laboratory approval for the usage of wastes for treatment	RS TMc	Ongoing Ongoing	
6	Optimize the quality of effluent discharged to sewer	Have re-usable water on tap	Investigate possibility of final effluent polish system Get approval from EPA	EI CH	Sept 13 Dec 13	

EMP Ref.	***Objective***	***Target***	***Environmental Management Programme for the implementation of objectives.***	***Responsible Person***	***Completion Date***	***Completed (Y/N)***
7	To be a good and considerate neighbour.	No complaints	Complete noise monitoring. Monitor adjoining river on a quarterly basis. Implement 'closed door' policy system when unloading liquid waste tankers where possible Cold cutting at the cedar site to take place inside with doors close	CH CH CM/DG DG	Ongoing Ongoing Ongoing Ongoing	

EMP Ref.	***Objective***	***Target***	***Environmental Management Programme for the implementation of objectives.***	***Responsible Person***	***Completion Date***	***Completed (Y/N)***
8	To Be Energy Efficient	Reduce Water and electricity usage	Complete targeted energy audit at both 402 and 14A1 sites. Assess findings of audit. Implement findings of audit if economically and practically feasible.	CH CH/EI CH/EI	Aug 13 July 13 Dec 13	

APPENDIX F

Pollutant Release and Transfer Register (PRTR)

Environmental Protection Agency

Guidance to completing the PRTR workbook

AER Returns Workbook

Version 1.1.16

REFERENCE YEAR	2012

1. FACILITY IDENTIFICATION

Parent Company Name	Rilta Environmental Limited
Facility Name	Rilta Environmental Limited
PRTR Identification Number	W0185
Licence Number	W0185-01

Waste or IPPC Classes of Activity

No.	class_name
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.
3.11	Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule.
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.
3.7	##########
4.11	Use of waste obtained from any activity referred to in a preceding paragraph of this Schedule.
4.12	Exchange of waste for submission to any activity referred to in a preceding paragraph of this Schedule.
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	Block 402, Grant Drive
Address 2	Greenogue Business Park
Address 3	Rathcoole
Address 4	County Dublin
	Dublin
Country	Ireland
Coordinates of Location	-6.47708 53.2999
River Basin District	IEEA
NACE Code	3832
Main Economic Activity	Recovery of sorted materials
AER Returns Contact Name	Colm Hussey
AER Returns Contact Email Address	colm.hussey@rilta.ie
AER Returns Contact Position	EHS Manager
AER Returns Contact Telephone Number	014018024
AER Returns Contact Mobile Phone Number	0879176264
AER Returns Contact Fax Number	014018080
Production Volume	0.0
Production Volume Units	
Number of Installations	0
Number of Operating Hours in Year	0

Number of Employees	5
User Feedback/Comments	
Web Address	

2. PRTR CLASS ACTIVITIES

Activity Number	Activity Name
5(a)	Installations for the recovery or disposal of hazardous waste
5(c)	Installations for the disposal of non-hazardous waste
50.1	General

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

Is it applicable?	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

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE

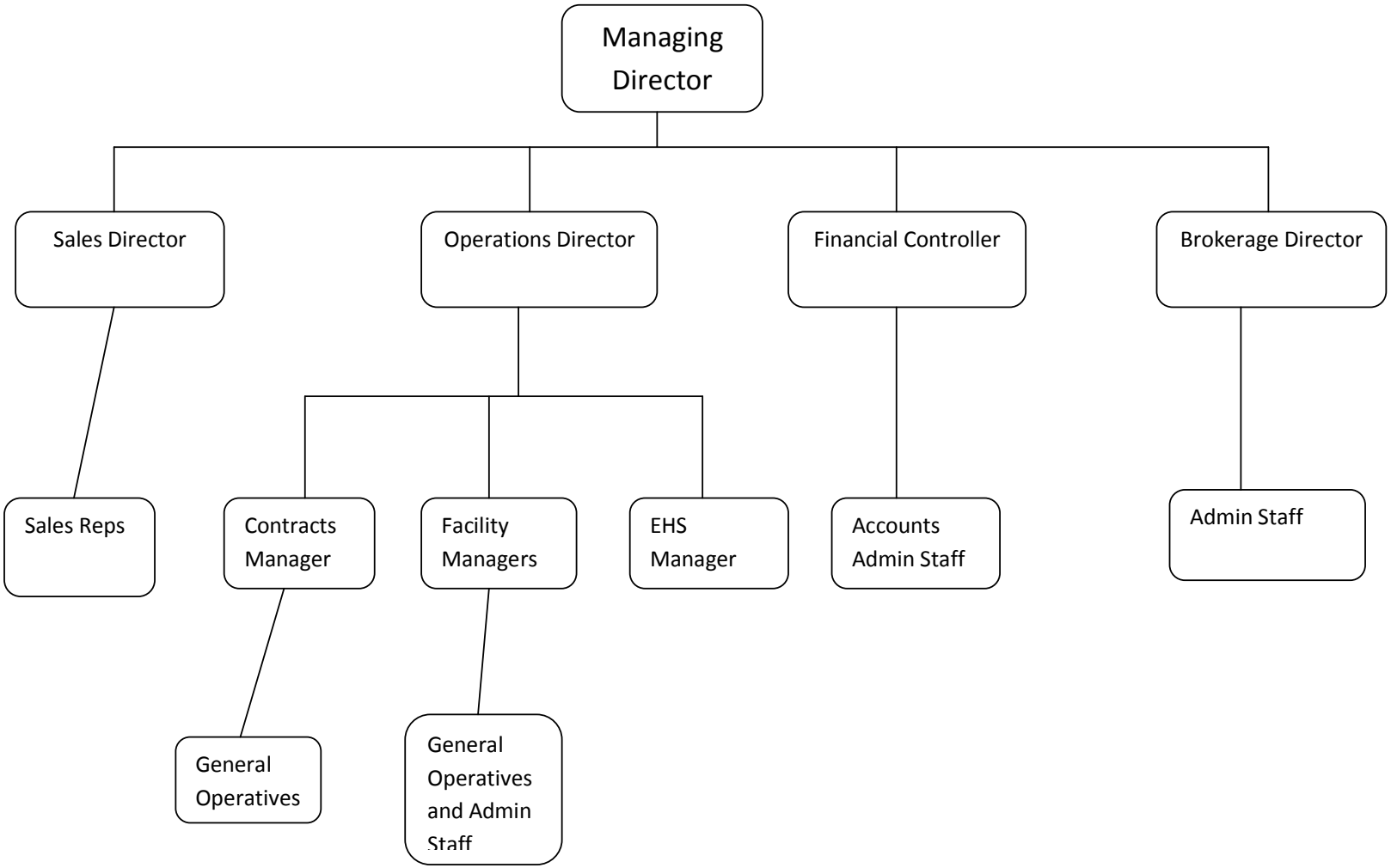
Please enter all quantities on this sheet in Tonnes

Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Haz Waste : Name and Licence/Permit No of Next Destination Facility Non Haz Waste: Name and Licence/Permit No of Recover/Disposer	Haz Waste : Address of Next Destination Facility Non Haz Waste: Address of Recover/Disposer	Name and License / Permit No. and Address of Final Recoverer / Disposer (HAZARDOUS WASTE ONLY)	Actual Address of Final Destination i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY)
						M/C/E	Method Used					
Within the Country	13 03 07	Yes	291.0	mineral-based non-chlorinated insulating and heat transmission oils	R9	M	Weighed	Offsite in Ireland	Rilta Environmental Ltd,w0192-3	402 Greenogue Business Park,,,Rathcoole,Co. Dublin,Ireland	Rilta Environmental Ltd,W192-3,402 Greenogue Business Park, ,Rathcoole,Co. Dublin,Ireland	402 Greenogue Business Park, ,Rathcoole,Co. Dublin,Ireland
Within the Country	16 02 11	Yes	773.4	discarded equipment containing chlorofluorocarbons, HCFC, HFC	R4	M	Weighed	Offsite in Ireland	Tech Rec NI,.	Dungannon, ,., Co. Tyrone,Ireland	Tech Rec NI, .Dungannon, ,.,Co. Tyrone,Ireland	Dungannon,.,.,Co. Tyrone,Ireland
Within the Country	19 12 02	No	1253.9	ferrous metal	R4	M	Weighed	Offsite in Ireland	Hegarty Metals,Permit No. WP 05/04	Dock Road,., Limerick,.,Ireland		
Within the Country	19 12 03	No	121.1	non-ferrous metal	R4	M	Weighed	Offsite in Ireland	Hegarty Metals,Permit No. WP 05/04	Dock Road,., Limerick,.,Ireland		
Within the Country	16 02 14	No	313.9	discarded equipment other than those mentioned in 16 02 09 to 16 02 13	R4	M	Weighed	Offsite in Ireland	Hegarty Metals,Permit No. WP 05/04	Dock Road.., Limerick,.,Ireland		
Within the Country	13 05 07	Yes	3.2	oily water from oil/water separators	D9	M	Weighed	Offsite in Ireland	Rilta Environmental Ltd,w0192-3	402 Greenogue Business Park,..Rathcoole,Co. Dublin,Ireland	Rilta Environmental Ltd,W192-3,402 Greenogue Business Park, ,Rathcoole,Co. Dublin,Ireland	402 Greenogue Business Park, ,Rathcoole,Co. Dublin,Ireland
Within the Country	16 07 08	Yes	16.4	wastes containing oil	D9	M	Weighed	Offsite in Ireland	Rilta Environmental Ltd,w0192-3	402 Greenogue Business Park,.,Rathcoole,Co. Dublin,Ireland	Rilta Environmental Ltd,W192-3,402 Greenogue Business Park, ,Rathcoole,Co. Dublin,Ireland	402 Greenogue Business Park, ,Rathcoole,Co. Dublin,Ireland
Within the Country	20 03 99	No	11.5	municipal wastes not otherwise specified	D9	M	Weighed	Offsite in Ireland	Rilta Environmental Ltd,w0192-3	402 Greenogue Business Park,..Rathcoole,Co. Dublin,Ireland		
Within the Country	13 03 01	Yes	1.0	insulating or heat transmission oils containing PCBs	D15	M	Weighed	Offsite in Ireland	Rilta Environmental Ltd,w0192-3	402 Greenogue Business Park,.,Rathcoole,Co. Dublin,Ireland	SITA Decontamination,D/PMVC/01F28/33629,Westvaartdijk,97,Grimbergen,1850,Netherlands	Westvaartdijk,97,Grimbergen,1850,Netherlands
Within the Country	16 02 09	Yes	2.8	transformers and capacitors containing PCBs	D15	M	Weighed	Offsite in Ireland	Rilta Environmental Ltd,w0192-3	402 Greenogue Business Park,.,Rathcoole,Co. Dublin,Ireland	SITA Decontamination,D/PMVC/01F28/33629,Westvaartdijk,97,Grimbergen,1850,Netherlands	Westvaartdijk,97,Grimbergen,1850,Netherlands

APPENDIX G

Staffing Structure

Rilta Environmental Management Structure



TOBIN

Patrick J. Tobin & Co. Ltd

NATIONAL NETWORK

Galway
Fairgreen House,
Fairgreen Road,
Galway.
Ph +353 (0)91 565211
Fax +353 (0)91 565398
E-mail galway@tobin.ie

Dublin
Block 10-4,
Blanchardstown Corporate Park,
Dublin 15.
Ph +353 (0)1 803 0406
Fax +353 (0)1 803 0409
E-mail dublin@tobin.ie

Castlebar
Market Square,
Castlebar,
Co. Mayo.
Ph +353 (0)94 902 1401
Fax +353 (0)94 902 1534
E-mail castlebar@tobin.ie

visit us @ www.tobin.ie