SELECT	cells that are highlighted blue contain a dropdown menu click to select one option from the list
guidance document link	cells that contain underlined text click to access relevant guidance documents for this section
Table heading *	table headings followed by a symbol have an associated footnote or instructions
Cells with red indicator in top right corner	cells that have a red indicator in the top right corner contain a comment box with further instructions or clarification

Please note an interpretation of results is still required. This should be entered in the additional information/comments boxes within the templates. Please size these boxes appropriately to fit your interpretation, if additional space is required please include an appendix to the AER template and merge it as part of the AER PDF document. The excel template should have all cells sized appropriately so that all text is readable before it is converted to PDF document.

# **Facility Information Summary**

**AER Reporting Year** 

Licence Register Number Name of site Site Location NACE Code Class/Classes of Activity National Grid Reference (6E, 6 N)

A description of the activities/processes at the site for the reporting year. This should include information such as production increases or decreases on site, any infrastructural changes, environmental performance which was measured during the reporting year **and an overview of compliance with your licence** <u>listing all</u> <u>exceedances of licence limits (where applicable) and what they relate to e.g. air, water, noise.</u>

2015	]	
W0089-02		
Derryconnell Landfill & Civic Ame	nity Site	
Derryconnell, Schull, Co. Cork		
3821		
5(c), 5(d), & 50.1		
(49E, 53N)		

# **Description of Activities on Site during 2015:**

The Facility at Derryconnell consists of a closed Landfill and a Civic Amenity Site. Deposition of waste at the landfill ceased in August 2010 and the final capping works were completed by Q2 2011. The main activities at the site during 2015 were the extraction of gas and leachate from the closed landfill (extracted gas is flared onsite and leachate is pumped to an on-site lagoon prior to being transported for treatment to Bandon WWTP) and the acceptance and storage of waste at the Civic Amenity Site for off-site treatment/disposal/recycling.

# Exceedances of Licence Limits during 2015:

Carbon Dioxide emssions exceeded the licence limit six times at perimeter monitoring locations L6 and L7 during 2015.

# **Overview of Licence Compliance during 2015:**

3 no. non compliances were issued against the licence during 2015:-

- 1. Late submission of the Report on Compliance with the EO (Groundwater) Regulations.
- 2. The leachate lagoon was not covered as required in Condition 3.24.2 of the licence.

3. ELV exceedance

# **Declaration:**

All the data and information presented in this report has been checked and certified as being accurate. The quality of the information is assured to meet licence requirements.

Mairead Hales	
Signature	<u>15/03/2015</u>
Group/Facility manager	Date
(or nominated, suitably qualified and experienced deputy)	

3

AIR-summary template	Lic No:	W0089-02	Year	2015
Answer all questions and complete all tables where relevant				
		Additio		
Does your site have licensed air emissions? If yes please complete table A1 and A2 below for the current				
1 reporting year and answer further questions. If you do not have licensed emissions and do not complete a				

1 reporting year and answer further questions. If you do not have licenced emissions and do not complete a solvent management plan (table A4 and A5) you <u>do not</u> need to complete the tables

Yes	Nitrogen Oxides at Landfill Gas Flare

	Periodic/Non-Continuous Monitoring			
2	Are there any results in breach of licence requirements? If yes please provide brief details in the comment section of TableA1 below			
3	Was all monitoring carried out in accordance with EPA guidance note AG2 and using the basic air monitoring checklist?	Basic air monitoring checklist AGN2	Yes	

# Table A1: Licensed Mass Emissions/Ambient data-periodic monitoring (non-continuous)

Emission reference no:	Parameter/ Substance	Frequency of	ELV in licence or any revision therof	Licence Compliance criteria	Measured value		Compliant with licence limit	Method of analysis	Annual mass	Comments - reason for change in % mass load from previous year if applicable
A1-1 (Landfill Gas Flare)	•	Biannually	150 mg/m <sup>3</sup>	No 30min mean can exceed the ELV	75.53	mg/Nm3	yes	EN 14792:2005	17.94	
A1-1 (Landfill Gas Flare)	•	Biannually	150 mg/m <sup>3</sup>	No 30min mean can exceed the ELV	70.22	mg/Nm3	yes	EN 14792:2005		
A1-1 (Landfill Gas Flare)	Volumetric flow	Continuous	N/A	N/A	114.00	Nm3/hour	N/A	отн		Average flow rate during flare runtime
	SELECT			SELECT		SELECT	SELECT	SELECT		

Note 1: Volumetric flow shall be included as a reportable parameter

AIR-summary template	Lic No:	W0089-02	Year	2015	
Continuous Monitoring					
<ul> <li>Does your site carry out continuous air emissions monitoring?</li> <li>If yes please review your continuous monitoring data and report the required fields below in Table A: to its relevant Emission Limit Value (ELV)</li> </ul>	Yes 2 and compare it	Carbon Mo	noxide at Landfill Gas Flare		
<ul> <li>Did continuous monitoring equipment experience downtime? If yes please record downtime in table A</li> </ul>	A2 below No			]	
6 Do you have a proactive service agreement for each piece of continuous monitoring equipment?	Yes	Service & M	aintenance contract in place	-	
Did your site experience any abatement system bypasses? If yes please detail them in table A3 below Table A2: Summary of average emissions -continuous monitoring	No			J	

Emission	Parameter/ Substance		Averaging Period	Compliance Criteria	Units of	Annual Emission	Annual maximum	Monitoring	Number of ELV	Comments
reference no:					measurement			Equipment	exceedences in	
								downtime (hours)	current	
		ELV in licence or							reporting year	
		any revision therof								
A1-1 (Landfill Gas										
Flare)	Carbon monoxide (CO)	N/A	10 Mins	N/A	mg/Nm3	0.64	0.93	0	N/A	
A1-1 (Landfill Gas										
Flare)	Volumetric flow	N/A	10 Mins	N/A	Nm3/hour	114.00	136	0	N/A	
	SELECT				SELECT					
	SELECT				SELECT					
	SELECT				SELECT					

note 1: Volumetric flow shall be included as a reportable parameter.

## Table A3: Abatement system bypass reporting table Bypass protocol

Date*	Duration** (hours)	Location	Reason for bypass	Impact magnitude	Corrective action

\* this should include all dates that an abatement system bypass occurred

\*\* an accurate record of time bypass beginning and end should be logged on site and maintained for future Agency

inspections please refer to bypass protocol link

	AIR-summary t	template				Lic No:	W0089-02		Year	2015		
	Solven	t use and managemer	nt on site									
8	8 Do you have a total Emission Limit Value of direct and fugitive emissions on site? if yes please fill out tables A4 and A5											
	Table A4: Solvent Management Plan Summary Tota VOC Emission limit value			Solvent Please refer to linked solvent regulation regulations complete table 5 and 6								
	Reporting year	Total solvent input on site (kg)	Total VOC emissions to Air from entire site (direct and fugitive)	Total VOC emissions as %of solvent input	Total Emission Limit Value (ELV) in licence or any revision therof	Compliance						
						SELECT						
						SELECT						
	Table A5:	: Solvent Mass Balance	e summary				-					
	(i) Inputs (kg)					Outputs (kg)						
	Solvent	(I) Inputs (kg)	Organic solvent emission in waste	Solvents lost in water (kg)	Collected waste solvent (kg)	Fugitive Organic Solvent (kg)	Solvent released in other ways e.g.	Solvents destroyed onsite through	Total emission of Solvent to air (kg)			
										]		
-								Total				

	AER Monitor	ring returns su	mmary template-WATER/WAS	TEWATER(SEWER)			Lic No:	W0089-02		Year	2	2015
								Additional information				
1	W2 and W3 be	elow for the curr	nissions direct to surface water or dir rent reporting year and answer furth plete table W1 and or W2 for storm v	her questions. If you do not	t have licenced							
										_		
			licence to carry out visual inspect									
		noted during visu	site? If yes please complete table W2	2 below summarising only a	iny evidence of			SW 7 - Inspected Weekly				
	contamination	noteu uuring vist	an inspections			Yes	S	W1-SW9 - Inspected Monthly				
	1	Table W1 Stori	m water monitoring									
	Location	Location relative to site	PRTR Parameter	Licenced Parameter	Monitoring	ELV or trigger level in licence or any	Licence Compliance	Measured value	Unit of	Compliant with	Comments	

Location reference	Location relative to site activities	PRTR Parameter	Licenced Parameter	Monitoring date	ELV or trigger level in licence or any revision thereof*	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Comments
SW1	downstream		Total Ammonia	15/01/2015	1	All results < 1.2 x ELV	0.41	mg/I NH3	yes	
SW1	downstream	Chlorides (as Cl)		15/01/2015	N/A	N/A	36.59	mg/l	yes	
SW1	downstream		Conductivity	15/01/2015	750	All results < 1.2 x ELV	169	µS/cm @20oC	yes	
SW1	downstream		Total Ammonia	09/04/2015	1	All results < 1.2 x ELV	0.92	mg/I NH3	yes	
SW1	downstream	Chlorides (as Cl)		09/04/2015	N/A	N/A	46.23	mg/l	yes	
SW1	downstream		Conductivity	09/04/2015	750	All results < 1.2 x ELV	185	μS/cm @20oC	yes	
SW1	downstream		Dissolved Oxygen	09/04/2015	N/A	N/A	7.58	mg/I O2	yes	
SW1 SW1	downstream downstream	Cadmium and compounds (as Cd)	Boron	09/04/2015 09/04/2015	N/A N/A	N/A N/A	0.02	mg/l	yes	
SW1 SW1	downstream	cadmium and compounds (as Cd)	Calcium	09/04/2015	N/A N/A	N/A N/A	<20.000	μg/l mg/l	yes yes	
SW1	downstream	Chromium and compounds (as Cr)	Calcium	09/04/2015	N/A N/A	N/A N/A	<20.000	μg/l	ves	
SW1	downstream	Copper and compounds (as Cu)		09/04/2015	N/A	N/A	<20.000	μg/l	yes	
SW1	downstream		Iron	09/04/2015	N/A	N/A	271	μg/I	yes	
SW1	downstream	Lead and compounds (as Pb)		09/04/2015	N/A	N/A	<20.000	μg/l	yes	
SW1	downstream		Magnesium	09/04/2015	N/A	N/A	3.22	mg/l	yes	
SW1	downstream		Manganese (as Mn)	09/04/2015	N/A	N/A	101	μg/l	yes	
SW1	downstream	Nickel and compounds (as Ni)		09/04/2015	N/A	N/A	<20.000	μg/I	yes	
SW1	downstream		Potassium	09/04/2015	N/A	N/A	<2.000	mg/l	yes	
SW1	downstream	Zinc and compounds (as Zn)		09/04/2015	N/A	N/A	22.1	μg/l	yes	
SW1		Mercury and compounds (as Hg)		09/04/2015	N/A	N/A	<10.000	mg/l	yes	
SW1	downstream		Sulphate	09/04/2015	N/A	N/A	4.27	mg/I SO4	yes	
SW1 SW1	downstream	Total phosphorus	Total America	09/04/2015 30/07/2015	N/A 1	N/A All results < 1.2 x ELV	0.03	mg/I P mg/I NH3	yes	
SW1	downstream downstream	Chlorides (as Cl)	Total Ammonia	30/07/2015	N/A	N/A	0.66	mg/INH3 mg/I	yes yes	
SW1	downstream	chiorides (as cr)	Conductivity	30/07/2015	750	All results < 1.2 x ELV	168	μS/cm @20oC	yes	
SW1	downstream		Total Ammonia	23/10/2015	1	All results < 1.2 x ELV	3.18	mg/INH3	yes	
SW1	downstream	Chlorides (as Cl)		23/10/2015	N/A	N/A	31.64	mg/l	yes	
SW1	downstream		Conductivity	23/10/2015	750	All results < 1.2 x ELV	264	µS/cm @20oC	yes	
SW2	upstream		Total Ammonia	15/01/2015	1	All results < 1.2 x ELV	0.05	mg/I NH3	yes	
SW2	upstream	Chlorides (as Cl)		15/01/2015	N/A	N/A	30.65	mg/l	yes	
SW2	upstream		Conductivity	15/01/2015	750	All results < 1.2 x ELV	108	µS/cm @20oC	yes	
SW2	upstream		Total Ammonia	09/04/2015	1	All results < 1.2 x ELV	0.16	mg/I NH3	yes	
SW2	upstream	Chlorides (as Cl)		09/04/2015	N/A	N/A	41.31	mg/l	yes	
SW2	upstream		Conductivity	09/04/2015	750	All results < 1.2 x ELV	142		yes	
SW2	upstream		Dissolved Oxygen	09/04/2015	N/A	N/A	8.5	mg/I O2	yes	
SW2	upstream		Boron	09/04/2015	N/A	N/A	0.01	mg/l	yes	
SW2 SW2	upstream upstream	Cadmium and compounds (as Cd)	Calcium	09/04/2015 09/04/2015	N/A N/A	N/A N/A	<20.000 4.76	μg/l mg/l	yes yes	
SW2	upstream	Chromium and compounds (as Cr)	Calcium	09/04/2015	N/A N/A	N/A N/A	<20.000	μg/l	yes	
SW2	upstream	Copper and compounds (as Cu)		09/04/2015	N/A	N/A	<20.000	μg/l	yes	
SW2	upstream	copper and compounds (as ea)	Iron	09/04/2015	N/A	N/A	145	μg/I	ves	
SW2	upstream	Lead and compounds (as Pb)		09/04/2015	N/A	N/A	<20.000	μg/l	yes	
SW2	upstream		Magnesium	09/04/2015	N/A	N/A	2.7	mg/l	yes	
SW2	upstream		Manganese (as Mn)	09/04/2015	N/A	N/A	<20.000	μg/l	yes	
SW2	upstream	Nickel and compounds (as Ni)		09/04/2015	N/A	N/A	<20.000	μg/l	yes	
SW2	upstream		Potassium	09/04/2015	N/A	N/A	<2.000	mg/l	yes	
SW2	upstream	Zinc and compounds (as Zn)		09/04/2015	N/A	N/A	24.5	μg/I	yes	
SW2	upstream	Mercury and compounds (as Hg)		09/04/2015	N/A	N/A	<10.000	mg/l	yes	
SW2	upstream	<b>*</b>	Sulphate	09/04/2015	N/A	N/A	<2.500	mg/I SO4	yes	
SW2	upstream	Total phosphorus	Total Assessio	09/04/2015	N/A	N/A	0.03	mg/I P	yes	
SW2	upstream		Total Ammonia	30/07/2015	1	All results < 1.2 x ELV	0.09	mg/INH3	yes	ļ
SW2 SW3	upstream downstream		Conductivity Total Ammonia	30/07/2015 15/01/2015	750	All results < 1.2 x ELV All results < 1.2 x ELV	93	μS/cm @20oC mg/I NH3	yes	
SW3	downstream	Chlorides (as Cl)	Total Allimonia	15/01/2015	N/A	N/A	41.38	mg/INH3 mg/I	yes yes	
SW3	downstream	cinoriaca (as cij	Conductivity	15/01/2015	750	All results < 1.2 x ELV	41.58	μS/cm @20oC	yes	
SW3	downstream		Total Ammonia	09/04/2015	1	All results < 1.2 x ELV	0.26	mg/INH3	yes	
SW3		Chlorides (as Cl)		09/04/2015	N/A	N/A	48.56	mg/l	yes	
SW3	downstream		Conductivity	09/04/2015	750	All results < 1.2 x ELV	193	μS/cm @20oC	yes	
SW3	downstream		Dissolved Oxygen	09/04/2015	N/A	N/A	9.16	mg/I O2	yes	
SW3	downstream		Boron	09/04/2015	N/A	N/A	0.02	mg/l	yes	
SW3	downstream	Cadmium and compounds (as Cd)		09/04/2015	N/A	N/A	<20.000	μg/l	yes	
SW3	downstream		Calcium	09/04/2015	N/A	N/A	10.31	mg/l	yes	
SW3	downstream	Chromium and compounds (as Cr)		09/04/2015	N/A	N/A	<20.000	μg/l	yes	
SW3	downstream	Copper and compounds (as Cu)		09/04/2015	N/A	N/A	<20.000	μg/l	yes	

AER Monitor	ring returns su	immary template-WATER/WAS	TEWATER(SEWER)			Lic No:	W0089-02		Year	2015	
SW3	downstream		Iron	09/04/2015	N/A	N/A	427	μg/l	yes		
SW3	downstream	Lead and compounds (as Pb)		09/04/2015	N/A	N/A	<20.000	μg/l	yes		
SW3	downstream		Magnesium	09/04/2015	N/A	N/A	3.76	mg/l	yes		
SW3	downstream		Manganese (as Mn)	09/04/2015	N/A	N/A	80.6	μg/l	yes		
SW3	downstream	Nickel and compounds (as Ni)		09/04/2015	N/A	N/A	<20.000	μg/l	yes		
SW3	downstream		Potassium	09/04/2015	N/A	N/A	<2.000	mg/l	yes		
SW3	downstream	Zinc and compounds (as Zn)		09/04/2015	N/A	N/A	95.6	μg/l	yes		
SW3	downstream	Mercury and compounds (as Hg)		09/04/2015	N/A	N/A	<10.000	mg/l	yes		
SW3	downstream		Sulphate	09/04/2015	N/A	N/A	6.77	mg/I SO4	yes		
SW3		Total phosphorus		09/04/2015	N/A	N/A	0.03	mg/I P	yes		
SW3	downstream		Total Ammonia	30/07/2015	1	All results < 1.2 x ELV	0.15	mg/I NH3	yes		
SW3		Chlorides (as Cl)		30/07/2015	N/A	N/A	33.84	mg/l	yes		
SW3	downstream		Conductivity	30/07/2015	750	All results < 1.2 x ELV	158		yes		
SW3	downstream		Total Ammonia	23/10/2015	1	All results < 1.2 x ELV	1.07	mg/I NH3	yes		
SW3		Chlorides (as Cl)		23/10/2015	N/A	N/A	35.87	mg/l	yes		
SW3	downstream	chondes (as ely	Conductivity	23/10/2015	750	All results < 1.2 x ELV	203.00		yes		
SW4	downstream		Total Ammonia	15/01/2015	1	All results < 1.2 x ELV	0.38	mg/INH3	ves		
SW4		Chlorides (as Cl)	Total / Milliona	15/01/2015	N/A	N/A	41.37	mg/l	yes		
SW4	downstream	chiondes (as ci)	Conductivity	15/01/2015	750	All results < 1.2 x ELV	41.57	μS/cm @20oC			
SW4	downstream		Total Ammonia	09/04/2015	1	All results < 1.2 x ELV	0.21	mg/I NH3	yes yes		
		Chlasidas (as Cl)	Total Allinonia								
SW4 SW4		Chlorides (as Cl)	Conductivity	09/04/2015	N/A 750	N/A	44.55	mg/l	yes		
	downstream		Conductivity Dissolved Owner			All results < 1.2 x ELV		μS/cm @20oC	yes		
SW4 SW4	downstream		Dissolved Oxygen	09/04/2015	N/A N/A	N/A N/A	5.76	mg/I O2	yes		
	downstream		Boron	09/04/2015				mg/l	yes		
SW4		Cadmium and compounds (as Cd)	Calaium	09/04/2015	N/A	N/A	<20.000	μg/l	yes		
SW4	downstream		Calcium	09/04/2015	N/A	N/A	15	mg/l	yes		
SW4		Chromium and compounds (as Cr)		09/04/2015	N/A	N/A	<20.000	μg/l	yes		
SW4		Copper and compounds (as Cu)		09/04/2015	N/A	N/A	35.1	μg/l	yes		
SW4	downstream		Iron	09/04/2015	N/A	N/A	320	μg/l	yes		
SW4		Lead and compounds (as Pb)		09/04/2015	N/A	N/A	<20.000	μg/l	yes		
SW4	downstream		Magnesium	09/04/2015	N/A	N/A	5.15	mg/l	yes		
SW4	downstream		Manganese (as Mn)	09/04/2015	N/A	N/A	42.4	μg/I	yes		
SW4	downstream	Nickel and compounds (as Ni)		09/04/2015	N/A	N/A	<20.000	μg/I	yes		
SW4	downstream		Potassium	09/04/2015	N/A	N/A	2.58	mg/l	yes		
SW4	downstream	Zinc and compounds (as Zn)		09/04/2015	N/A	N/A	111	μg/I	yes		
SW4	downstream	Mercury and compounds (as Hg)		09/04/2015	N/A	N/A	<10.000	mg/l	yes		
SW4	downstream		Sulphate	09/04/2015	N/A	N/A	3.87	mg/I SO4	yes		
SW4	downstream	Total phosphorus		09/04/2015	N/A	N/A	0.02	mg/I P	yes		
SW4	downstream		Total Ammonia	30/07/2015	1	All results < 1.2 x ELV	0.11	mg/I NH3	yes		
SW4		Chlorides (as Cl)		30/07/2015	N/A	N/A	27.46	mg/l	yes		
SW4	downstream		Conductivity	30/07/2015	750	All results < 1.2 x ELV	147		yes		
SW4	downstream		Total Ammonia	23/10/2015	1	All results < 1.2 x ELV	4.38	mg/I NH3	yes		
SW4	downstream	Chlorides (as Cl)		23/10/2015	N/A	N/A	34.46	mg/l	ves		
SW4	downstream		Conductivity	23/10/2015	750	All results < 1.2 x ELV	264.00		yes		
SW5	downstream		Total Ammonia	15/01/2015	1	All results < 1.2 x ELV	0.01	mg/I NH3	ves		
SW5	downstream	Chlorides (as Cl)		15/01/2015	N/A	N/A	42.03	mg/l	yes		
SW5	downstream		Conductivity	15/01/2015	750	All results < 1.2 x FLV	148	μS/cm @20oC	yes		
SW5	downstream		Total Ammonia	09/04/2015	1	All results < 1.2 x ELV	0.15	mg/I NH3	yes		
SW5		Chlorides (as Cl)		09/04/2015	N/A	N/A	53.14	mg/l	yes		
SW5	downstream	chondes (as ely	Conductivity	09/04/2015	750	All results < 1.2 x ELV	187	uS/cm @20oC	yes		
SW5	downstream		Dissolved Oxygen	09/04/2015	N/A	N/A	8.77	mg/I O2	yes		
SW5	downstream		Boron	09/04/2015	N/A	N/A	0.02	mg/l	ves		
SW5		Cadmium and compounds (as Cd)		09/04/2015	N/A N/A	N/A N/A	<20.000	μg/l	yes		
SW5	downstream	cauman and compounds (as cu)	Calcium	09/04/2015	N/A N/A	N/A	\$20.000	mg/l	yes		
SW5 SW5		Chromium and compounds (as Cr)	calcium	09/04/2015	N/A N/A	N/A N/A	<20.000	μg/l	yes		
SW5		Copper and compounds (as Cu)		09/04/2015	N/A	N/A	<20.000	μg/l	yes		
SW5 SW5	downstream	copper and compoditus (as cu)	Iron	09/04/2015	N/A N/A	N/A N/A	<20.000	μg/i μg/i	ves		
SW5		Lead and compounds (as Pb)		09/04/2015	N/A N/A	N/A N/A	<20.000	10	yes		
SW5 SW5	downstream	ceau and compounds (as PD)	Magnesium	09/04/2015	N/A N/A	N/A N/A	<20.000	μg/l			
								mg/l	yes		
SW5 SW5	downstream	Nickel and compounds (se Mil)	Manganese (as Mn)	09/04/2015	N/A N/A	N/A N/A	97.7 <20.000	μg/l	yes		
		Nickel and compounds (as Ni)	Dotacsium					μg/l	yes		
SW5	downstream	7	Potassium	09/04/2015	N/A	N/A	<2.000	mg/l	yes		
SW5		Zinc and compounds (as Zn)		09/04/2015	N/A	N/A		μg/l	yes		
SW5		Mercury and compounds (as Hg)	Culabata	09/04/2015	N/A	N/A	<10.000	mg/l	yes		
SW5	downstream		Sulphate	09/04/2015	N/A	N/A	7.21	mg/I SO4	yes		
SW5		Total phosphorus	Total America	09/04/2015	N/A	N/A	0.4	mg/I P	yes		
SW5	downstream		Total Ammonia	30/07/2015	1	All results < 1.2 x ELV	0.12		yes		
SW5	downstream		Conductivity	30/07/2015	750	All results < 1.2 x ELV	154	μS/cm @20oC	yes		
SW5	downstream		Total Ammonia	23/10/2015	1	All results < 1.2 x ELV	0.11	mg/I NH3	yes		
SW5		Chlorides (as Cl)		23/10/2015	N/A	N/A	35.67	mg/l	yes		
SW5	downstream		Conductivity	23/10/2015	750	All results < 1.2 x ELV		μS/cm @20oC	yes		
	downstream		Total Ammonia	15/01/2015	1	All results < 1.2 x ELV	1.06	mg/I NH3	No		
SW6		Chlorides (as Cl)		15/01/2015	N/A	N/A	35.55	mg/l	yes		
SW6 SW6	downstream		Constitution	15/01/2015	750	All results < 1.2 x ELV	182	µS/cm @20oC	yes		
SW6 SW6 SW6			Conductivity								
SW6 SW6	downstream		Total Ammonia	09/04/2015	1	All results < 1.2 x ELV	5.38	mg/INH3	No		
SW6 SW6 SW6	downstream downstream downstream	Chlorides (as Cl)	Total Ammonia		1 N/A	N/A	55.57	mg/l NH3 mg/l	No yes		
SW6 SW6 SW6 SW6 SW6 SW6 SW6	downstream downstream downstream			09/04/2015	N/A 750						
SW6 SW6 SW6 SW6 SW6	downstream downstream downstream downstream		Total Ammonia	09/04/2015 09/04/2015	N/A	N/A	55.57	mg/l	yes		
SW6 SW6 SW6 SW6 SW6 SW6 SW6	downstream downstream downstream downstream downstream downstream	Chlorides (as Cl)	Total Ammonia Conductivity	09/04/2015 09/04/2015 09/04/2015	N/A 750	N/A All results < 1.2 x ELV	55.57 513	mg/l μS/cm @20oC	yes yes		
SW6 SW6 SW6 SW6 SW6 SW6 SW6 SW6	downstream downstream downstream downstream downstream downstream		Total Ammonia Conductivity Dissolved Oxygen	09/04/2015 09/04/2015 09/04/2015 09/04/2015	N/A 750 N/A	N/A All results < 1.2 x ELV N/A	55.57 513 5.1	mg/l μS/cm @20oC mg/l O2	yes yes yes		

		immary template-WATER/WAST	EWATER(SEWER)			Lic No:	W0089-02		Year	2015
SW6		Chromium and compounds (as Cr)		09/04/2015	N/A	N/A	<20.000		yes	
SW6	downstream downstream	Copper and compounds (as Cu)	Iron	09/04/2015	N/A N/A	N/A N/A	<20.000		yes	
SW6		Lead and compounds (as Pb)	Iron	09/04/2015 09/04/2015	N/A N/A	N/A N/A	<20.000		yes yes	
SW6	downstream		Magnesium	09/04/2015	N/A	N/A	7.48		yes	
SW6	downstream		Manganese (as Mn)	09/04/2015	N/A	N/A	1.054		yes	
SW6	downstream	Nickel and compounds (as Ni)		09/04/2015	N/A	N/A	<20.000	μg/l	yes	
SW6	downstream		Potassium	09/04/2015	N/A	N/A	8.24	mg/l	yes	
SW6		Zinc and compounds (as Zn)		09/04/2015	N/A	N/A	36.3		yes	
SW6		Mercury and compounds (as Hg)		09/04/2015	N/A	N/A	<10.000		yes	
SW6	downstream		Sulphate	09/04/2015	N/A	N/A	11.41		yes	
SW6 SW6	downstream downstream	Total phosphorus	Total Ammonia	09/04/2015 30/07/2015	N/A 1	N/A All results < 1.2 x ELV	0.04		yes	
SW6	downstream		Conductivity	30/07/2015	750	All results < 1.2 x ELV All results < 1.2 x ELV	310.00		yes yes	
SW6	downstream		pH	15/01/2015	6-9	All values < ELV	7.60		yes	
SW7	downstream		Total Ammonia	15/01/2015	1	All results < 1.2 x ELV	0.24		yes	
SW7	downstream		Conductivity	15/01/2015	750	All results < 1.2 x ELV	180.00		yes	
SW7	downstream		Suspended Solids	15/01/2015	N/A	N/A	24.00		yes	
SW7	downstream		COD	15/01/2015	N/A	N/A	29.00		yes	
SW7		Chlorides (as Cl)		15/01/2015	N/A	N/A	38.29		yes	
SW7	downstream		pH Total Ammonia	25/02/2015	6-9	All values < ELV	6.20		yes	
SW7 SW7	downstream downstream		Total Ammonia Conductivity	25/02/2015 25/02/2015	1 750	All results < 1.2 x ELV All results < 1.2 x ELV	0.10		yes	
SW7	downstream		Suspended Solids	25/02/2015	750 N/A	All results < 1.2 x ELV N/A	154.00		yes	
SW7	downstream		COD	25/02/2015	N/A N/A	N/A N/A	13.00	mg/L mg/L	yes yes	
SW7		Chlorides (as Cl)		25/02/2015	N/A N/A	N/A N/A	35.39	mg/L	yes	
SW7	downstream		рН	25/03/2015	6-9	All values < ELV	6.40		yes	
SW7	downstream		Total Ammonia	25/03/2015	1	All results < 1.2 x ELV	0.24	mg/L	yes	
SW7	downstream		Conductivity	25/03/2015	750	All results < 1.2 x ELV	171.00	µS/cm @20oC	yes	
SW7	downstream		Suspended Solids	25/03/2015	N/A	N/A	<1.000		yes	
SW7	downstream	Chloridae (co. Cl)	COD	25/03/2015	N/A	N/A	2.00		yes	
SW7 SW7	downstream	Chlorides (as Cl)	оH	25/03/2015	N/A 6-9	N/A All values < ELV	41.79		yes	
SW7 SW7	downstream downstream		pH Total Ammonia	09/04/2015 09/04/2015	6-9	All values < ELV All results < 1.2 x ELV	6.50	p	yes	
SW7	downstream		Conductivity	09/04/2015	750	All results < 1.2 x ELV All results < 1.2 x ELV	175.00		yes yes	
SW7	downstream		Suspended Solids	09/04/2015	N/A	N/A	4.00		yes	
SW7	downstream		COD	09/04/2015	N/A	N/A	14.00		yes	
SW7		Chlorides (as Cl)		09/04/2015	N/A	N/A	36.06		yes	
SW7	downstream		рН	25/05/2015	6-9	All values < ELV	6.20	pH units	yes	
SW7	downstream		Total Ammonia	25/05/2015	1	All results < 1.2 x ELV	0.10		yes	
SW7	downstream		Conductivity	25/05/2015	750	All results < 1.2 x ELV	154.00		yes	
SW7	downstream		Suspended Solids	25/05/2015	N/A	N/A	8.00	mg/L	yes	
SW7	downstream	Chlorides (as Cl)	COD	25/05/2015	N/A	N/A	13.00		yes	
SW7 SW7	downstream downstream	Chlorides (as Cl)	рН	25/05/2015 16/06/2015	N/A 6-9	N/A All values < ELV	35.39		yes yes	
SW7	downstream		Total Ammonia	16/06/2015	1	All results < 1.2 x ELV	0.06		yes	
SW7	downstream		Conductivity	16/06/2015	750	All results < 1.2 x ELV	169.00		yes	
SW7	downstream		Suspended Solids	16/06/2015	N/A	N/A	5.00	mg/L	yes	
SW7	downstream		COD	16/06/2015	N/A	N/A	30.00	mg/L	yes	
SW7		Chlorides (as Cl)		16/06/2015	N/A	N/A	36.32	mg/L	yes	
SW7	downstream		pH	30/07/2015	6-9	All values < ELV	6.60		yes	
SW7	downstream		Total Ammonia	30/07/2015	1	All results < 1.2 x ELV	0.12		yes	
SW7 SW7	downstream downstream		Conductivity Suspended Solids	30/07/2015	750 N/A	All results < 1.2 x ELV N/A	150.00		yes	
SW7 SW7	downstream downstream		Suspended Solids COD	30/07/2015 30/07/2015	N/A N/A	N/A N/A	4.00		yes yes	
SW7		Chlorides (as Cl)		30/07/2015	N/A N/A	N/A N/A	29.36		yes	
SW7	downstream		рH	18/08/2015	6-9	All values < ELV	6.60		ves	
SW7	downstream		Total Ammonia	18/08/2015	1	All results < 1.2 x ELV	0.41		yes	
SW7	downstream		Conductivity	18/08/2015	750	All results < 1.2 x ELV	193.00	µS/cm @20oC	yes	
SW7	downstream		Suspended Solids	18/08/2015	N/A	N/A	2.00		yes	
SW7	downstream		COD	18/08/2015	N/A	N/A	38.00		yes	
SW7		Chlorides (as Cl)		18/08/2015	N/A	N/A	32.52		yes	
SW7 SW7	downstream downstream		pH Total Ammonia	25/09/2015	6-9	All values < ELV	6.40		yes	
SW7	downstream		Conductivity	25/09/2015 25/09/2015	750	All results < 1.2 x ELV All results < 1.2 x ELV	0.49		yes yes	
SW7	downstream		Suspended Solids	25/09/2015	750 N/A	N/A	4.00		ves	
SW7	downstream		COD	25/09/2015	N/A	N/A N/A	35.00		yes	
SW7		Chlorides (as Cl)		25/09/2015	N/A	N/A	34.80		yes	
SW7	downstream		рН	23/10/2015	6-9	All values < ELV	6.80	pH units	yes	
SW7	downstream		Total Ammonia	23/10/2015	1	All results < 1.2 x ELV	1.50	mg/L	yes	
SW7	downstream		Conductivity	23/10/2015	750	All results < 1.2 x ELV	227.00		yes	
SW7	downstream		Suspended Solids	23/10/2015	N/A	N/A	8.00		yes	
SW7	downstream		COD	23/10/2015	N/A	N/A	38.00		yes	
SW7		Chlorides (as Cl)	-11	23/10/2015	N/A	N/A	30.78		yes	
SW7	downstream		pH Total Ammonia	18/11/2015	6-9	All values < ELV	6.50		yes	
SW7 SW7	downstream downstream		Total Ammonia Conductivity	18/11/2015 18/11/2015	1 750	All results < 1.2 x ELV All results < 1.2 x ELV	0.35		yes yes	
SW7	downstream		Suspended Solids	18/11/2015	750 N/A	N/A	150.00	mg/L	yes	
SW7	downstream		COD	18/11/2015	N/A	N/A	25.00		yes	
SW7		Chlorides (as Cl)		18/11/2015	N/A	N/A	32.72		yes	
SW7	downstream		рН	04/12/2015	6-9	All values < ELV	6.30		yes	

AER Monitori	ing returns su	mmary template-WATER/WAS	TEWATER(SEWER)			Lic No:	W0089-02		Year	2015
SW7	downstream		Total Ammonia	04/12/2015	1	All results < 1.2 x ELV	0.79	mg/L	yes	
SW7	downstream		Conductivity	04/12/2015	750	All results < 1.2 x ELV	177.00	μS/cm @20oC	yes	
SW7	downstream		Suspended Solids	04/12/2015	N/A	N/A	11.00	mg/L	yes	
SW7	downstream		COD	04/12/2015	N/A	N/A	30.00	mg/L	yes	
SW7		Chlorides (as Cl)	600	04/12/2015	N/A	N/A	36.81	mg/L	yes	
SW8	upstream	chondes (as ci)	Total Ammonia	15/01/2015	1	All results < 1.2 x ELV	0.04	mg/I NH3	yes	
SW8		Chlorides (as Cl)	Total Aminonia	15/01/2015	N/A	N/A	27.94	mg/l	yes	
SW8	upstream	chondes (as ci)	Conductivity	15/01/2015	750	All results < 1.2 x ELV	103	μS/cm @20oC	yes	
SW8	upstream		Total Ammonia	09/04/2015	1	All results < 1.2 x ELV	0.09	mg/INH3	ves	
SW8		Chlorides (as Cl)	Total Ammonia	09/04/2015	N/A	N/A	41.17	mg/INH3 mg/I	1	
SW8	upstream upstream	chlorides (as ci)	Conductivity	09/04/2015	750	All results < 1.2 x ELV	41.17	μS/cm @20oC	yes yes	
SW8			Dissolved Oxygen		750 N/A	N/A	6.8			
	upstream			09/04/2015				mg/I O2	yes	
SW8	upstream		Boron	09/04/2015	N/A	N/A	0.01	mg/l	yes	
SW8		Cadmium and compounds (as Cd)		09/04/2015	N/A	N/A	<20.000	μg/I	yes	
SW8	upstream		Calcium	09/04/2015	N/A	N/A	4.49	mg/l	yes	
SW8	upstream	Chromium and compounds (as Cr)		09/04/2015	N/A	N/A	<20.000	μg/I	yes	
SW8	upstream	Copper and compounds (as Cu)		09/04/2015	N/A	N/A	<20.000	μg/I	yes	
SW8	upstream		Iron	09/04/2015	N/A	N/A	147	μg/I	yes	
SW8	upstream	Lead and compounds (as Pb)		09/04/2015	N/A	N/A	<20.000	μg/I	yes	
SW8	upstream		Magnesium	09/04/2015	N/A	N/A	2.72	mg/l	yes	
SW8	upstream		Manganese (as Mn)	09/04/2015	N/A	N/A	<20.000	μg/I	yes	
SW8	upstream	Nickel and compounds (as Ni)		09/04/2015	N/A	N/A	<20.000	μg/l	yes	
SW8	upstream		Potassium	09/04/2015	N/A	N/A	<2.000	mg/l	yes	
SW8	upstream	Zinc and compounds (as Zn)		09/04/2015	N/A	N/A	28.9	μg/I	yes	
SW8	upstream	Mercury and compounds (as Hg)		09/04/2015	N/A	N/A	<10.000	mg/l	yes	
SW8	upstream		Sulphate	09/04/2015	N/A	N/A	<2.500	mg/I SO4	yes	
SW8	upstream	Total phosphorus		09/04/2015	N/A	N/A	0.04	mg/I P	yes	
SW8	upstream		Total Ammonia	30/07/2015	1	All results < 1.2 x ELV	0.1	mg/I NH3	yes	
SW8	upstream		Conductivity	30/07/2015	750	All results < 1.2 x ELV	83.00	µS/cm @20oC	yes	
SW8	upstream		Total Ammonia	23/10/2015	1	All results < 1.2 x ELV	0.02	mg/I NH3	yes	
SW8	upstream	Chlorides (as Cl)		23/10/2015	N/A	N/A	22.58	mg/l	yes	
SW8	upstream		Conductivity	23/10/2015	750	All results < 1.2 x ELV	96	µS/cm @20oC	yes	
SW9	upstream		Total Ammonia	15/01/2015	1	All results < 1.2 x ELV	0.04	mg/I NH3	yes	
SW9	upstream	Chlorides (as Cl)		15/01/2015	N/A	N/A	43.79	mg/l	yes	
SW9	upstream		Conductivity	15/01/2015	750	All results < 1.2 x ELV	141	µS/cm @20oC	yes	
SW9	upstream		Total Ammonia	09/04/2015	1	All results < 1.2 x ELV	0.13	mg/I NH3	yes	
SW9		Chlorides (as CI)		09/04/2015	N/A	N/A	70.52	mg/l	yes	
SW9	upstream		Conductivity	09/04/2015	750	All results < 1.2 x ELV	215	μS/cm @20oC	yes	
SW9	upstream		Dissolved Oxygen	09/04/2015	N/A	N/A	5.99	mg/I 02	yes	
SW9	upstream		Boron	09/04/2015	N/A	N/A	0.01	mg/I	yes	
SW9	upstream	Cadmium and compounds (as Cd)		09/04/2015	N/A	N/A	<20.000	μg/l	yes	
SW9	upstream	and compounds (as Ca)	Calcium	09/04/2015	N/A	N/A	3.42	mg/l	yes	
SW9		Chromium and compounds (as Cr)		09/04/2015	N/A	N/A	<20.000	μg/l	yes	
SW9	upstream	Copper and compounds (as Cu)		09/04/2015	N/A	N/A	<20.000	μg/l	yes	
SW9	upstream	copper and compounds (as ed)	Iron	09/04/2015	N/A	N/A	3149	μg/I	yes	
SW9	upstream	Lead and compounds (as Pb)		09/04/2015	N/A	N/A N/A	<20.000	μg/l	yes	
SW9 SW9	upstream	ceau and compounds (as Po)	Magnesium	09/04/2015	N/A N/A	N/A N/A	<20.000	mg/l	yes	
SW9 SW9	upstream		Manganese (as Mn)	09/04/2015	N/A N/A	N/A N/A	503	μg/I		
SW9 SW9		Nickel and compounds (as Ni)	ivianganese (as ivin)	09/04/2015	N/A N/A	N/A N/A	<20.000		yes	
	upstream	Nicker and compounds (as Ni)	Determine					μg/I	yes	
SW9	upstream	21	Potassium	09/04/2015	N/A	N/A	<2.000	mg/l	yes	
SW9		Zinc and compounds (as Zn)		09/04/2015	N/A	N/A	35.9	μg/l	yes	
SW9	upstream	Mercury and compounds (as Hg)		09/04/2015	N/A	N/A	<10.000	mg/l	yes	
SW9	upstream		Sulphate	09/04/2015	N/A	N/A	5.87	mg/I SO4	yes	
	upstream	Total phosphorus		09/04/2015	N/A	N/A	0.05	mg/I P	yes	
SW9										
SW9 SW9 SW9	upstream upstream		Total Ammonia Conductivity	30/07/2015 30/07/2015	1 750	All results < 1.2 x ELV All results < 1.2 x ELV	0.12	mg/I NH3 μS/cm @20oC	yes yes	

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\*trigger values may be agreed by the Agency outside of licence conditions

Table W2 Visual inspections-Please only enter details where contamination was observed.

	Location Reference	Date of inspection				
			Description of contamination	Source of contamination	Corrective action	Comments
ſ						

Lic No:

## 3 Licensed Emissions to water and /or wastewater(sewer)-periodic monitoring (non-continuous)

	Was there any result in breach of licence requirements? If yes please provide brief details in the comment section of			
4	Table W3 below	SELECT	Additional information	
	Was all monitoring carried out in accordance with EPA guidance and			
c	necklists for Quality of Aqueous Monitoring Data Reported to the EPA? If External /Internal Lab Assessment	of		
n	please detail what areas require improvement in additional information Quality checklist results check	IST SELECT		

## Table W3: Licensed Emissions to water and /or wastewater (sewer)-periodic monitoring (non-continuous)

Emission	Emission			Frequency of		licence or any revision			Unit of			Procedural	reference	Annual mass load	
reference no:	released to	Parameter/ SubstanceNote 1	Type of sample	monitoring	Averaging period	therof <sup>Note 2</sup>	Licence Compliance criteria	Measured value	measurement	Compliant with licence	Method of analysis	reference source	standard number	(kg)	Comments
	SELECT	SELECT	SELECT		SELECT		SELECT		SELECT	SELECT	SELECT	SELECT			
															1
Note 1: Volume	tric flow shall be in	ncluded as a reportable parameter						•							·

## Note 2: Where Emission Limit Values (ELV) do not apply to your licence please compare results against EQS for Surface water or relevant receptor quality standards

5 Continuous monitoring

Does your site carry out continuous emissions to water/sewer monitoring?

Additional Information SW7

ervice & Maintenance contract in place

W0089-02

2015

Year

If yes please summarise your continuous monitoring data below in Table W4 and compare it to its relevant Emission <sup>6</sup> Limit Value (ELV)

7 Did continuous monitoring equipment experience downtime? If yes please record downtime in table W4 below

8 Do you have a proactive service contract for each piece of continuous monitoring equipment on site?

Did abatement system bypass occur during the reporting year? If yes please complete table W5 below Table W4: Summary of average emissions -continuous monitoring

Emission reference no:	Emission released to	Parameter/ Substance		Averaging Period	Compliance Criteria		Annual Emission for current reporting year (kg)	% change +/- from previous reporting year	Monitoring Equipment downtime (hours)	Number of ELV exceedences in	Comments
SW7	Water	volumetric flow	N/A	1 hour	N/A	l/s	N/A	N/A	0	0	Volumes not required to be recorded/calculated
SW7	Water	pH	6-9	1 hour	All values < ELV	pH units	N/A	N/A	0	0	
SW7	Water	Temperature	N/A	1 hour	N/A	degrees C	N/A	N/A	0	0	
SW7	Water	Conductivity	750	1 hour	All values < ELV	µS/cm @20oC	N/A	N/A	0	0	
SW7	Water	Ammonia (as N)	1	1 hour	All values < ELV	mg/L	N/A	N/A	0	0	Volumes not required to be recorded/calculated
SW7	Water	Total organic carbon (TOC) (as total C or COD/3)	60	1 hour	All values < ELV	ppm	N/A	N/A	0	0	Volumes not required to be recorded/calculated

note 1: Volumetric flow shall be included as a reportable parameter.

## Table W5: Abatement system bypass reporting table

ate	Duration	Location	Resultant emissions	Reason for	Corrective action*	Was a report submitted	When was this report
	(hours)			bypass		to the EPA?	submitted?
						SELECT	
		te Duration (hours)				(hours) bypass	

\*Measures taken or proposed to reduce or limit bypass frequency

Bund/Pipeline testing template	Lic No:	W0089-02		Year	2015	
Bund testing dropdown menu click to see options			Additional information	_		
Are you required by your licence to undertake integrity testing on bunds and containment structures ? if yes ple and containment structures on site, in addition to all bunds which failed the integrity test-all bunding structur listed in the table below, please include all bunds outside the licenced testing period(mobile bunds and cheme	es which failed including mobile bunds must be					
2 Please provide integrity testing frequency period		Yes 3 years		-		
Does the site maintain a register of bunds, underground pipelines (including stormwater and foul), Tanks, sump 3 "Chemstore" type units and mobile bunds)	and containers? (containers refers to	Yes				
4 How many bunds are on site?		1				
5 How many of these bunds have been tested within the required test schedule? 6 How many mobile bunds are on site?		0		_		
7 Are the mobile bunds included in the bund test schedule?		N/A				
8 How many of these mobile bunds have been tested within the required test schedule?		N/A		-		
9 How many sumps on site are included in the integrity test schedule? 10 How many of these sumps are integrity tested within the test schedule?		N/A N/A		-		
Please list any sump integrity failures in table B1				_		
11 Do all sumps and chambers have high level liquid alarms?		Yes		-		
12 If yes to Q11 are these failsafe systems included in a maintenance and testing programme? 13 Is the Fire Water Retention Pond included in your integrity test programme?		Yes N/A		1		

	lab	ne b1: Summary details o	a bund / containment structure inte	egrity test											
	Bund/Containment	Туре	Specify Other type	Product containment	Actual capacity	Capacity required*	Type of integrity test	Other test type	Test date	Integrity reports maintained on site?		Integrity test failure explanation <50 words		Scheduled date	Results of retest(if in current reporting year
		SELECT					SELECT				SELECT		SELECT		
F		SELECT					SELECT				SELECT		SELECT		
		pply with 25% or 110% containment een carried out in accord	rule asdetailed in your licence ance with licence requirements an	d are all structures tested				Commentary							
15 i	n line with BS8007/EP.	A Guidance?			bunding and storage guideli	nes	Yes								
16 A	Are channels/transfer	systems to remote conta	inment systems tested?				Yes		ĺ						
17	Are channels/transfer	systems compliant in bo	th integrity and available volume?				Yes								

Pipeline/underground structure testing

Are you required by your licence to undertake integrity testing \* on underground structures e.g. pipelines or sumps etc ? if yes please fill out table 2 below listing 1 all underground structures and pipelines on site which failed the integrity test and all which have not been tested withing the integrity test period as specified 2 Please provide integrity testing frequency period \*please note integrity testing means water tightness testing for process and foul pipelines (as required under your licence)

Yes	
3 years	

1	Table	B2: Summary details of pi	peline/underground structures in	tegrity test					 	 
	Structure ID	Type system		Does this structure have Secondary containment?	Type of secondary containment	Type integrity testing	Integrity reports maintained on site?			Results of retest(if in o
		1							 	
		SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT

Please use commentary for additional details not answered by tables/ questions above

urrent

Year

2015

		Comments
<sup>1</sup> Are you required to carry out groundwater monitoring as part of your licence requirements?	yes	Please provide an interpretation of groundwater monitoring data in the
2 Are you required to carry out soil monitoring as part of your licence requirements?	no	interpretation box below or if you require additional space please include a
<sup>3</sup> Do you extract groundwater for use on site? If yes please specify use in comment section	no	groundwater/contaminated land monitoring results interpretaion as an additional section in this AER
Do monitoring results show that groundwater generic assessment criteria 4 such as GTVs or IGVs are exceeded or is there an upward trend in results for a substance? If yes, please complete the Groundwater Monitoring Guideline Template Report (link in cell G8) and submit separately through ALDER as a licensee return AND answer questions 5-12 below. template	yes	
5 Is the contamination related to operations at the facility (either current and/or historic)	yes	
6 Have actions been taken to address contamination issues? If yes please summarise remediation		
strategies proposed/undertaken for the site	yes	
7 Please specify the proposed time frame for the remediation strategy	Ongoing	Groundwater contamination is evident at monitoring locations on the
8 Is there a licence condition to carry out/update ELRA for the site?	yes	western boundary of the site. Investigation and assessment of the
9 Has any type of risk assesment been carried out for the site?	yes	contamination was updated in October 2015 and a biannual report on the
10 Has a Conceptual Site Model been developed for the site?	yes	issue is required for submission by the licensee. Ongoing monitoring will
11 Have potential receptors been identified on and off site?	yes	ensure that any further deterioration and/or off site impacts will be detected.
12 Is there evidence that contamination is migrating offsite?	no	Reports, including a groundwater risk assessment, are uploaded to EDEN.

# Table 1: Upgradient Groundwater monitoring results

	0									
Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration++	Average Concentration+	unit	GTV's*		Upward trend in pollutant concentration over last 5 years of monitoring data
15/01/2015	GW4	Total ammonia	Konelab Aquakem	Quarterly	0.13	0.04	mg/l NH3	0.065-0.175	<0.014	no
15/01/2015	GW4	Conductivity	Electrometry	Quarterly	420	291	μS/cm @20oC	800-1875	N/A	no
09/04/2015	GW4	Total ammonia	Konelab Aquakem	Quarterly		0.13	mg/l NH3	0.065-0.175	<0.014	no
09/04/2015	GW4	Conductivity	Electrometry	Quarterly		420	μS/cm @20oC	800-1875	N/A	no
09/04/2015	GW4	Chloride	Konelab Aquakem	Annual		37.69	mg/l	24-187.5	250	no
09/04/2015	GW4	Boron	ICP-MS	Annual		0.03	mg/l	0.75	N/A	no
09/04/2015	GW4	Cadmium	ICP-MS	Annual		<20.000	μg/I	3.75	N/A	no
09/04/2015	GW4	Calcium	ICP-MS	Annual		65.8	mg/l	N/A	N/A	no
09/04/2015	GW4	Chromium (total)	ICP-MS	Annual		<20.000	μg/l	37.5	4.7	no
09/04/2015	GW4	Copper	ICP-MS	Annual		<20.000	μg/I	1500	5	no
09/04/2015	GW4	Iron	ICP-MS	Annual		172	μg/I		N/A	no
09/04/2015	GW4	Lead	ICP-MS	Annual		<20.000	μg/l	18.75	7.2	no
09/04/2015		Magnesium	ICP-MS	Annual		3.7	mg/l	N/A	N/A	no
09/04/2015	GW4	Manganese	ICP-MS	Annual		1.263	F-8/ -	N/A	N/A	no
09/04/2015		Nickel	ICP-MS	Annual		<20.000	1-0/	15		no
09/04/2015	GW4	Potassium	ICP-MS	Annual		<2.000		N/A	N/A	no
09/04/2015	GW4	Zinc	ICP-MS	Annual		22	μg/I	N/A	40	no

Groundwa	ter/Soil mor	nitoring template			Lic No:	W0089-02		Year	2015
		Cyanide (total)	Steam Distillation &	Annual		4		37.5	10
09/04/2015		Cyaniue (total)	Colourimetry	Annual		4	μg/I	37.5	no
09/04/2015	GW4	Flouride	Konelab Aquakem	Annual		0.11	mg/l	N/A	0.5 no
09/04/2015	GW4	Mercury	ICP-MS	Annual		<10.000	mg/l		no
09/04/2015	GW4	Sulphate	Konelab Aquakem	Annual		8.58	mg/l SO4	187.5	N/A no
09/04/2015		Total Phosphorous	ICP-MS	Annual		0.03	mg/l P	N/A	0.075 no
30/07/2015	GW4	Total ammonia	Konelab Aquakem	Quarterly		0.09	mg/l NH3	0.065-0.175	<0.014 no
30/07/2015	GW4	Conductivity	Electrometry	Quarterly		376	μS/cm @20oC	800-1875	N/A no
23/10/2015		Total ammonia	Konelab Aquakem	Quarterly		0.06	mg/l NH3	0.065-0.175	<0.014 no
23/10/2015		Conductivity	Electrometry	Quarterly		385	μS/cm @20oC	800-1875	N/A no
15/01/2015	GW8	Total ammonia	Konelab Aquakem	Quarterly	0.27	0.06	mg/l NH3	0.065-0.175	<0.014 yes
15/01/2015		Conductivity	Electrometry	Quarterly	497	180	μS/cm @20oC	800-1875	N/A yes
09/04/2015	GW8	Total ammonia	Konelab Aquakem	Quarterly		0.27	mg/l NH3	0.065-0.175	<0.014 yes
09/04/2015	GW8	Conductivity	Electrometry	Quarterly		497	μS/cm @20oC	800-1875	N/A yes
09/04/2015	GW8	Chloride	Konelab Aquakem	Annual		49.72	mg/l	24-187.5	250 yes
09/04/2015	GW8	Boron	ICP-MS	Annual		0.02	mg/l	0.75	N/A no
09/04/2015	GW8	Cadmium	ICP-MS	Annual		<20.000	μg/l	3.75	N/A no
09/04/2015	GW8	Calcium	ICP-MS	Annual		29.8	mg/l	N/A	N/A no
09/04/2015	GW8	Chromium (total)	ICP-MS	Annual		<20.000	μg/l	37.5	4.7 no
09/04/2015	GW8	Copper	ICP-MS	Annual		<20.000	μg/l	1500	5 no
09/04/2015	GW8	Iron	ICP-MS	Annual		288	μg/I		N/A no
09/04/2015	GW8	Lead	ICP-MS	Annual		<20.000	μg/l	18.75	7.2 no
09/04/2015	GW8	Magnesium	ICP-MS	Annual		10.9	mg/l	N/A	N/A no
09/04/2015	GW8	Manganese	ICP-MS	Annual		0.814	μg/l	N/A	N/A no
09/04/2015	GW8	Nickel	ICP-MS	Annual		<20.000	μg/I	15	20 no
09/04/2015	GW8	Potassium	ICP-MS	Annual		<2.000	mg/l	N/A	N/A no
09/04/2015	GW8	Zinc	ICP-MS	Annual		<20.000	μg/l	N/A	40 no
09/04/2015	GW8	Cyanide (total)	Steam Distillation &	Annual		2	μg/I	37.5	10
		, , ,	Colourimetry						no
09/04/2015		Flouride	Konelab Aquakem	Annual		0.12	mg/l	N/A	0.5 no
09/04/2015		Mercury	ICP-MS	Annual		<10.000	mg/l		no
09/04/2015		Sulphate	Konelab Aquakem	Annual		8.77	mg/l SO4	187.5	N/A no
09/04/2015		Total Phosphorous	ICP-MS	Annual		0.03	mg/l P	N/A	0.075 no
30/07/2015		Total ammonia	Konelab Aquakem	Quarterly		0.17	mg/l NH3	0.065-0.175	<0.014 yes
30/07/2015		Conductivity	Electrometry	Quarterly		441	μS/cm @20oC	800-1875	N/A yes
23/10/2015		Total ammonia	Konelab Aquakem	Quarterly		0.15	mg/l NH3	0.065-0.175	<0.014 yes
23/10/2015	GW8	Conductivity	Electrometry	Quarterly		407	μS/cm @20oC	800-1875	N/A yes

.+ where average indicates arithmetic mean

.++ maximum concentration indicates the maximum measured concentration from all monitoring results produced during the reporting year

# Table 2: Downgradient Groundwater monitoring results

Date of sampling	Sample location reference	Parameter/ Substance		Monitoring frequency	Maximum Concentration	Average Concentration	unit	GTV's*		Upward trend in yearly average pollutant concentration over last 5 years of monitoring data
15/01/2015	GW1	Total ammonia	Konelab Aquakem	Quarterly	0.31	0.06	mg/l NH3	0.065-0.175	<0.014	no
15/01/2015	GW1	Conductivity	Electrometry	Quarterly	299	180	μS/cm @20oC	800-1875	N/A	no
09/04/2015	GW1	Total ammonia	Konelab Aquakem	Quarterly		0.31	mg/l NH3	0.065-0.175	<0.014	no
09/04/2015	GW1	Conductivity	Electrometry	Quarterly		264	μS/cm @20oC	800-1875	N/A	no

Groundwater/Soil	monitoring template	1		Lic No:	W0089-02		Year	2015		
09/04/2015 GW1	Chloride	Konelab Aquakem	Annual		27.25	mg/l	24-187.5	250 no		
09/04/2015 GW1	Boron	ICP-MS	Annual		0.02	mg/l	0.75	N/A no		
09/04/2015 GW1	Cadmium	ICP-MS	Annual		<20.000	μg/I	3.75	N/A no		
09/04/2015 GW1	Calcium	ICP-MS	Annual		34.6	mg/l	N/A	N/A no		
09/04/2015 GW1	Chromium (total)	ICP-MS	Annual		<20.000	μg/I	37.5	4.7 no		
09/04/2015 GW1	Copper	ICP-MS	Annual		<20.000	μg/l	1500	5 no		
09/04/2015 GW1	Iron	ICP-MS	Annual		1140	μg/I		N/A no		
09/04/2015 GW1	Lead	ICP-MS	Annual		<20.000	μg/I	18.75	7.2 no		
09/04/2015 GW1	Magnesium	ICP-MS	Annual		6.15	mg/l	N/A	N/A no		
09/04/2015 GW1	Manganese	ICP-MS	Annual		1.385	μg/I	N/A	N/A no		
09/04/2015 GW1	Nickel	ICP-MS	Annual		<20.000	μg/l	, 15	20 no		
09/04/2015 GW1	Potassium	ICP-MS	Annual		1.01	mg/l	N/A	N/A no		
09/04/2015 GW1	Zinc	ICP-MS	Annual		<20.000	μg/I	N/A	40 no		
		Steam Distillation &				P6/ ·				
09/04/2015 GW1	Cyanide (total)	Colourimetry	Annual		12	μg/I	37.5	10 no		
09/04/2015 GW1	Flouride	Konelab Aquakem	Annual		<0.020	mg/l	N/A	0.5 no		
09/04/2015 GW1	Mercury	ICP-MS	Annual	1	<10.020	mg/l	IN/ A	no		
09/04/2015 GW1	Sulphate	Konelab Aquakem	Annual		8.36	mg/I SO4	187.5	N/A no		
09/04/2015 GW1	Total Phosphorous	ICP-MS	Annual	1	0.05	mg/1 SO4	187.5 N/A	0.075 no		
30/07/2015 GW1	Total ammonia	Konelab Aguakem	Quarterly		0.03	mg/I NH3	0.065-0.175	<0.014 no		
30/07/2015 GW1	Conductivity	Electrometry	Quarterly	1	260	μS/cm @20oC	800-1875	N/A no		
23/10/2015 GW1	Total ammonia	Konelab Aguakem	Quarterly		0.09	mg/I NH3	0.065-0.175	<0.014 no		
23/10/2015 GW1 23/10/2015 GW1					299		800-1875	<0.014 no		
15/01/2015 GW1	Conductivity Total ammonia	Electrometry	Quarterly	1.73		μS/cm @20oC mg/l NH3	0.065-0.175	N/A no <0.014 yes		
		Konelab Aquakem	Quarterly	322		÷.		-		
15/01/2015 GW2	Conductivity	Electrometry	Quarterly	322	1.73	μS/cm @20oC	800-1875	N/A no		
09/04/2015 GW2	Total ammonia	Konelab Aquakem	Quarterly		1.73	mg/l NH3	0.065-0.175	<0.014 yes		
09/04/2015 GW2	Conductivity	Electrometry	Quarterly	+	-	μS/cm @20oC	800-1875	N/A no		
09/04/2015 GW2	Chloride	Konelab Aquakem	Annual		19.14	mg/l	24-187.5	250 yes		
09/04/2015 GW2	Boron	ICP-MS	Annual		0.02	mg/l	0.75	N/A no		
09/04/2015 GW2	Cadmium	ICP-MS	Annual		<20.000	μg/l	3.75	N/A no		
09/04/2015 GW2	Calcium	ICP-MS	Annual		37.8	mg/l	N/A	N/A no		
09/04/2015 GW2	Chromium (total)	ICP-MS	Annual		<20.000	μg/l	37.5	4.7 no		
09/04/2015 GW2	Copper	ICP-MS	Annual		<20.000	μg/I	1500	5 no		
09/04/2015 GW2	Iron	ICP-MS	Annual		478	μg/I		N/A no		
09/04/2015 GW2	Lead	ICP-MS	Annual		<20.000	μg/I	18.75	7.2 no		
09/04/2015 GW2	Magnesium	ICP-MS	Annual		3.75	mg/l	N/A	N/A no		
09/04/2015 GW2	Manganese	ICP-MS	Annual		0.0041	μg/I	N/A	N/A no		
09/04/2015 GW2	Nickel	ICP-MS	Annual		<20.00	μg/I	15	20 no		
09/04/2015 GW2	Potassium	ICP-MS	Annual		2.03	mg/l	N/A	N/A no		
09/04/2015 GW2	Zinc	ICP-MS	Annual		20	μg/I	N/A	40 no		
09/04/2015 GW2	Cyanide (total)	Steam Distillation & Colourimetry	Annual		12	μg/I	37.5	10 no		
09/04/2015 GW2	Flouride	Konelab Aquakem	Annual		0.04	mg/l	N/A	0.5 no		
09/04/2015 GW2		ICP-MS			<10.000		in/A	no		
	Mercury		Annual		<10.000	mg/l	107 -			
09/04/2015 GW2	Sulphate	Konelab Aquakem	Annual			mg/l SO4	187.5	N/A no		
09/04/2015 GW2	Total Phosphorous	ICP-MS	Annual		0.05	mg/l P	N/A	0.075 no		
30/07/2015 GW2	Total ammonia	Konelab Aquakem	Quarterly	+	0.04	mg/l NH3	0.065-0.175	<0.014 yes		
30/07/2015 GW2	Conductivity	Electrometry	Quarterly	+	176	μS/cm @20oC	800-1875	N/A no		
23/10/2015 GW2	Total ammonia	Konelab Aquakem	Quarterly		0.01	mg/l NH3	0.065-0.175	<0.014 yes		
23/10/2015 GW2 15/01/2015 GW5	Conductivity	Electrometry	Quarterly		322 <0.01	μS/cm @20oC	800-1875	N/A no		
	Total ammonia	Konelab Aquakem	Quarterly	0.11	-0.01	mg/I NH3	0.065-0.175	<0.014 yes		

	nonitoring template	5			W0089-02		Year	2015	
15/01/2015 GW5	Conductivity	Electrometry	Quarterly	384	172	μS/cm @20oC	800-1875	N/A yes	
09/04/2015 GW5	Total ammonia	Konelab Aquakem	Quarterly		0.04	mg/l NH3	0.065-0.175	<0.014 no	
09/04/2015 GW5	Conductivity	Electrometry	Quarterly		262	μS/cm @20oC	800-1875	N/A yes	
09/04/2015 GW5	Chloride	Konelab Aquakem	Annual		35.73	mg/l	24-187.5	250 yes	
09/04/2015 GW5	Boron	ICP-MS	Annual		0.03	mg/l	0.75	N/A no	
09/04/2015 GW5	Cadmium	ICP-MS	Annual		<20.000	μg/I	3.75	N/A no	
09/04/2015 GW5	Calcium	ICP-MS	Annual		30	mg/l	N/A	N/A no	
09/04/2015 GW5	Chromium (total)	ICP-MS	Annual		<20.000	μg/I	37.5	4.7 no	
09/04/2015 GW5	Copper	ICP-MS	Annual		<20.000	μg/I	1500	5 no	
09/04/2015 GW5	Iron	ICP-MS	Annual		205	μg/I		N/A no	
09/04/2015 GW5	Lead	ICP-MS	Annual		<20.000	μg/I	18.75	7.2 no	
09/04/2015 GW5	Magnesium	ICP-MS	Annual		3.79	mg/l	N/A	N/A no	
09/04/2015 GW5	Manganese	ICP-MS	Annual		0.104	μg/I	N/A	N/A no	
09/04/2015 GW5	Nickel	ICP-MS	Annual		<20.000	μg/I	15	20 no	
09/04/2015 GW5	Potassium	ICP-MS	Annual		<2.000	mg/l	N/A	N/A no	
09/04/2015 GW5	Zinc	ICP-MS	Annual		78	μg/l	N/A	40 no	
		Steam Distillation &							1
09/04/2015 GW5	Cyanide (total)	Colourimetry	Annual		3	μg/I	37.5	<sup>10</sup> no	
09/04/2015 GW5	Flouride	Konelab Aquakem	Annual		0.2	mg/l	N/A	0.5 no	
09/04/2015 GW5	Mercury	ICP-MS	Annual	1	<10.000	mg/l	.,	no	1
09/04/2015 GW5	Sulphate	Konelab Aquakem	Annual		<2.500	mg/I SO4	187.5	N/A no	1
09/04/2015 GW5	Total Phosphorous	ICP-MS	Annual	1	0.04	mg/I P	N/A	0.075 no	1
30/07/2015 GW5	Total ammonia	Konelab Aquakem	Quarterly	1	0.11	mg/I NH3	0.065-0.175	<0.014 no	
30/07/2015 GW5	Conductivity	Electrometry	Quarterly	1	207	μS/cm @20oC	800-1875	N/A yes	
23/10/2015 GW5	Total ammonia	Konelab Aguakem	Quarterly	1 1	0.05	mg/I NH3	0.065-0.175	<0.014 no	1
23/10/2015 GW5	Conductivity	Electrometry	Quarterly		384	μS/cm @20oC	800-1875	N/A yes	
15/01/2015 GW6	Total ammonia	Konelab Aquakem	Quarterly	0.9	0.24	mg/I NH3	0.065-0.175	<0.014 no	
15/01/2015 GW6	Conductivity	Electrometry	Quarterly	556	536	μS/cm @20oC	800-1875	N/A yes	
09/04/2015 GW6	Total ammonia	Konelab Aquakem	Quarterly		0.28	mg/I NH3	0.065-0.175	<0.014 no	1
09/04/2015 GW6	Conductivity	Electrometry	Quarterly	1	556	μS/cm @20oC	800-1875	N/A yes	1
)9/04/2015 GW6	Chloride	Konelab Aquakem	Annual	1	93.34	mg/l	24-187.5	250 yes	
)9/04/2015 GW6	Boron	ICP-MS	Annual	1 1	0.17	mg/l	0.75	N/A no	
)9/04/2015 GW6	Cadmium	ICP-MS	Annual	1	<20.000	μg/l	3.75	N/A no	
9/04/2015 GW6	Calcium	ICP-MS	Annual		136.9	mg/l	N/A	N/A no	
9/04/2015 GW6	Chromium (total)	ICP-MS	Annual	1 1	<20.000	μg/l	37.5	4.7 no	
)9/04/2015 GW6	Copper	ICP-MS	Annual	1	<20.000	μg/I	1500	5 no	
9/04/2015 GW6	Iron	ICP-MS	Annual		1824	μg/I	1300	N/A no	
9/04/2015 GW6	Lead	ICP-MS	Annual	1 1	<20.000	μg/I	18.75	7.2 no	
9/04/2015 GW6	Magnesium	ICP-MS	Annual	1	16.4	mg/l	N/A	N/A no	
9/04/2015 GW6	Manganese	ICP-MS	Annual		6.629	μg/l	N/A	N/A no	
9/04/2015 GW6	Nickel	ICP-MS	Annual		<20.00	μg/I	15	20 no	
09/04/2015 GW6	Potassium	ICP-MS	Annual		25	µg/۱ mg/l	N/A	N/A no	
9/04/2015 GW6	Zinc	ICP-MS	Annual		44	μg/l	N/A	40 no	
	-	Steam Distillation &				μg/1			
09/04/2015 GW6	Cyanide (total)	Colourimetry	Annual	1	14	μg/I	37.5	10 no	
09/04/2015 GW6	Flouride	Konelab Aquakem	Annual		<0.020	mg/l	N/A	0.5 no	-
9/04/2015 GW6	Mercury	ICP-MS	Annual		<10.000	mg/l		no	-
09/04/2015 GW6	Sulphate	Konelab Aquakem	Annual		<2.5	mg/I SO4	187.5	N/A no	
9/04/2015 GW6	Total Phosphorous	ICP-MS	Annual		0.03	mg/l P	N/A	0.075 no	
0/07/2015 GW6	Total ammonia	Konelab Aquakem	Quarterly	ī	0.46	mg/l NH3	0.065-0.175	<0.014 no	
30/07/2015 GW6	Conductivity	Electrometry	Quarterly		546	μS/cm @20oC	800-1875	N/A yes	

23/10/2015 GW6 23/10/2015 GW6		2		Lic No:	W0089-02	Y	/ear	2015	
23/10/2015 GW6	Total ammonia	Konelab Aquakem	Quarterly		0.9	mg/I NH3	0.065-0.175	<0.014 no	
	Conductivity	Electrometry	Quarterly		501	μS/cm @20oC	800-1875	N/A yes	
15/01/2015 GW7	Total ammonia	Konelab Aquakem	Quarterly	40.88	31.85	mg/l NH3	0.065-0.175	<0.014 yes	
15/01/2015 GW7	Conductivity	Electrometry	Quarterly	1250	1113	μS/cm @20oC	800-1875	N/A yes	
09/04/2015 GW7	Total ammonia	Konelab Aquakem	Quarterly		48.17	mg/l NH3	0.065-0.175	<0.014 yes	
09/04/2015 GW7	Conductivity	Electrometry	Quarterly		1315	μS/cm @20oC	800-1875	N/A yes	
09/04/2015 GW7	Chloride	Konelab Aquakem	Annual		99.21	mg/l	24-187.5	250 yes	
09/04/2015 GW7	Boron	ICP-MS	Annual		0.17	mg/l	0.75	N/A no	
09/04/2015 GW7	Cadmium	ICP-MS	Annual		<20.000	μg/I	3.75	N/A no	
09/04/2015 GW7	Calcium	ICP-MS	Annual		137	mg/l	N/A	N/A yes	
09/04/2015 GW7	Chromium (total)	ICP-MS	Annual		<20.000	μg/I	37.5	4.7 no	
09/04/2015 GW7	Copper	ICP-MS	Annual		<20.000	μg/l	1500	5 yes	
09/04/2015 GW7	Iron	ICP-MS	Annual		2466	μg/l		N/A no	
09/04/2015 GW7	Lead	ICP-MS	Annual		<20.000	μg/l	18.75	7.2 no	
09/04/2015 GW7	Magnesium	ICP-MS	Annual		16.5	mg/l	N/A	N/A yes	
09/04/2015 GW7	Manganese	ICP-MS	Annual		6.33	μg/l	N/A	N/A yes	
09/04/2015 GW7	Nickel	ICP-MS	Annual		<20.000	μg/l	15	20 no	
09/04/2015 GW7	Potassium	ICP-MS	Annual		28.2	mg/l	N/A	N/A yes	
09/04/2015 GW7	Zinc	ICP-MS	Annual		36	μg/l	N/A	40 yes	
09/04/2015 GW7	Cyanide (total)	Steam Distillation & Colourimetry	Annual		6	μg/l	37.5	10 no	
09/04/2015 GW7	Flouride	Konelab Aquakem	Annual		<0.020	mg/l	N/A	0.5 no	
09/04/2015 GW7	Mercury	ICP-MS	Annual		<10.000	mg/l		no	
09/04/2015 GW7	Sulphate	Konelab Aquakem	Annual		<2.500	mg/I SO4	187.5	N/A no	
09/04/2015 GW7	Total Phosphorous	ICP-MS	Annual		0.04	mg/l P	N/A	0.075 no	
30/07/2015 GW7	Total ammonia	Konelab Aquakem	Quarterly		43.93	mg/l NH3	0.065-0.175	<0.014 yes	
30/07/2015 GW7	Conductivity	Electrometry	Quarterly		1170	μS/cm @20oC	800-1875	N/A yes	
23/10/2015 GW7	Total ammonia	Konelab Aquakem	Quarterly		49.08	mg/l NH3	0.065-0.175	<0.014 yes	
23/10/2015 GW7	Conductivity	Electrometry	Quarterly		1335	μS/cm @20oC	800-1875	N/A yes	

Groundwat	ter/Soil mon	itoring template			Lic No:	W0089-02		Year	2015	
Table 3: So	il results									
Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration	Average Concentration	unit			
							SELECT			
							SELECT			

Where additional detail is required please enter it here in 200 words or less

# **Environmental Liabilities template**

Click here to access EPA guidance on Environmental Liabilities and Financial

provision

			Commentary
1	ELRA initial agreement status	Submitted and agreed by EPA	
2	ELRA review status	SELECT	
3	Amount of Financial Provision cover required as determined by the latest ELRA	Specify	
4	Financial Provision for ELRA status	SELECT	
5	Financial Provision for ELRA - amount of cover	Specify	
6	Financial Provision for ELRA - type	SELECT	
7	Financial provision for ELRA expiry date	Enter expiry date	
8	Closure plan initial agreement status	SELECT	
9	Closure plan review status	SELECT	
10	Financial Provision for Closure status	SELECT	
11	Financial Provision for Closure - amount of cover	Specify	
12	Financial Provision for Closure - type	SELECT	
13	Financial provision for Closure expiry date	Enter expiry date	

Lic No:

W0089-02

2015

Year

Environmental Management Programme/Continuous Improvement Programme	template	Lic No:	W0089-02	Yea	r	2015
Highlighted cells contain dropdown menu click to view		Additional Information				
$_{ m 1}$ Do you maintain an Environmental Mangement System (EMS) for the site. If yes, please detail in						
additional information	Yes	Site procedures make up the	ie EMS			
2 Does the EMS reference the most significant environmental aspects and associated impacts on-site	Yes					
Does the EMS maintain an Environmental Management Programme (EMP) as required in accordance 3 with the licence requirements	Yes					
Do you maintain an environmental documentation/communication system to inform the public on 4 environmental performance of the facility, as required by the licence	Yes					

Environmental Management Programme	nvironmental Management Programme (EMP) report								
Objective Category	Target	Status (% completed)	How target was progressed	Responsibility	Intermediate outcomes				
	Maintain/Improve landfill gas		Regular & frequent field gas		Improved Environmental				
Reduction of emissions to Air	extraction regieme	Ongoing	balancing	Individual	Management Practices				
	Procure secure storage unit		Interaction with WEEE		Improved Environmental				
Materials Handling/Storage/Bunding	for WEEE	50	Collection Contractor	Individual	Management Practices				
			Consultants retained to						
	Ensure contaminated		monitor and make						
	groundwater/surface water		recommendations for on						
	does not impact of site		site GW contamination		Remediation of				
Groundwater protection	receptors	Ongoing	issues	Individual	contamination on site				

#### Noise monitoring summary report W0089-02 2015 Lic No: Year

Noise Guidance

Yes

Yes

No N/A

No

1 Was noise monitoring a licence requirement for the AER period? If yes please fill in table N1 noise summary below

 $^{\rm 2}$  Was noise monitoring carried out using the EPA Guidance note, including completion of the "Checklist for noise measurement report" included in the note NG4

3 Does your site have a noise reduction plan

4 When was the noise reduction plan last updated?

5 Have there been changes relevant to site noise emissions (e.g. plant or operational changes) since the

Table N1: No	able N1: Noise monitoring summary										
Date of monitoring	Time period	Noise location (on site)	Noise sensitive location - NSL (if applicable)	LA <sub>eq</sub>	LA <sub>90</sub>	LA <sub>10</sub>	LA <sub>max</sub>	Tonal or Impulsive noise* (Y/N)	If tonal /impulsive noise was identified was 5dB penalty applied?	Comments (ex. main noise sources on site, & extraneous noise ex. road traffic)	Is <u>site_</u> compliant with noise limits (day/evening/night)?
17/12/2015	13:08 - 14:40	N1		42.20	36.30	45.10	59.80	No		By EPA agreement, nighttime monitoring not required	Yes
17/12/2015	08:22 - 09:53	N6		48.90	39.20	52.80	65.30	No		By EPA agreement, nighttime monitoring not required	Yes
17/12/2015	09:57 - 11:30	N7		53.10	44.80	56.60	77.90	No		By EPA agreement, nighttime monitoring not required	Yes
17/12/2015	11:35 - 13:05	N10		52.00	44.70	55.00	81.10	No		By EPA agreement, nighttime monitoring not required	Yes
17/12/2015	14:47 - 16:18	N12		49.70	43.60	52.90	69.10	No		By EPA agreement, nighttime monitoring not required	Yes

\*Please ensure that a tonal analysis has been carried out as per guidance note NG4. These records must be maintained onsite for future inspection

If noise limits exceeded as a result of noise attributed to site activities, please choose the corrective action from the following options?

SELECT

\*\* please explain the reason for not taking action/resolution of noise issues?

Any additional comments? (less than 200 words)

Resource Usage/Energy efficiency summary Lic No:	W0089-02	Year
--	----------	------

Cork County Council has

energy usage reduction

team in operation

countywide

N/A

Sep-15

SELECT

1 When did the site carry out the most recent energy efficiency audit? Please list the recommendations in table 3 below

Is the site a member of any accredited programmes for reducing energy usage/water conservation Industry Energy 2 such as the SEAI programme linked to the right? If yes please list them in additional information Network (LIEN)

Where Fuel Oil is used in boilers on site is the sulphur content compliant with licence conditions? Please state percentage 3 in additional information SELECT

Table R1 Energy usag	e on site			
Energy Use	Previous year	Current year	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*
Total Energy Used (MWHrs)	51.4	32.4	N/A	N/A
Total Energy Generated (MWHrs)	0	0		
Total Renewable Energy Generated (	0	0		
Electricity Consumption (MWHrs)	51.4	32.4		N/A
Fossil Fuels Consumption:	N/A			
Heavy Fuel Oil (m3)				
Light Fuel Oil (m3)				
Natural gas (m3)				
Coal/Solid fuel (metric tonnes)				
Peat (metric tonnes)				
Renewable Biomass				
Renewable energy generated on site				

\* where consumption of energy can be compared to overall site production please enter this information as percentage increase or decrease compared to the previous reporting year.

\*\* where site production information is available please enter percentage increase or decrease compared to previous year

Table R2 Water usag	e on site				Water Emissions	Water Consumption	
	Water extracted			Energy Consumption +/- % vs overall site		Volume used i.e not discharged to environment e.g.	
Water use	Previous year m3/yr.	Current year m3/yr.	reporting year**	production*	environment(m <sup>3</sup> yr):	released as steam m3/yr	Unaccounted for Water:
Groundwater							
Surface water							
Public supply							
Recycled water							
Total							

\* where consumption of water can be compared to overall site production please enter this information as percentage increase or decrease compared to the previous reporting year.

\*\* where site production information is available please enter percentage increase or decrease compared to previous year

Table R3 Waste Stream					
	Total	Landfill	Incineration	Recycled	Other
Hazardous (Tonnes)					
Non-Hazardous (Tonnes)					

2015

Resource	e Usage/Energy efficiency sur	nmary			Lic No:	W0089-02		Year	2015
	Table R4: Energy Audit finding recommendations								
			Description of		Predicted energy		<b>D</b> 11 110		Status and
	Date of audit		Measures proposed Replace existing	Origin of measures	savings %	Implementation date	Responsibility	Completion date	comments
		Replace existing	lighting with						
		0 0	modern, more efficient LED lights						
	Sep-15	lights and sensors.	and sensors.	energy audit	33		Facility Manager	Dec-16	Ongoing
				SELECT					
[				SELECT					

Table R5: Power Generation: Where power is generated onsite (e.g. power generation facilities/food and drink industry)please complete the following information

	Unit ID	Unit ID	Unit ID	Unit ID	Station Total
Technology					
Primary Fuel					
Thermal Efficiency					
Unit Date of Commission					
Total Starts for year					
Total Running Time					
Total Electricity Generated (GWH)					
House Load (GWH)					
KWH per Litre of Process Water					
KWH per Litre of Total Water used or	Site				

Complaints and Incidents summary template	Lic No:	W0089-02	Year	2015	
Complaints					

No

Additional information

Have you received any environmental complaints in the current reporting year? If yes please complete summary details of complaints received on site in table 1 below

Table	1 Complaints summary						
			Brief description of				
			complaint (Free txt <20	Corrective action< 20			Further
Date	Category	Other type (please specify)	words)	words	Resolution status	Resolution date	information
	SELECT				SELECT		
	SELECT				SELECT		
	SELECT				SELECT		
	SELECT				SELECT		
	SELECT				SELECT		
Total complaints							
open at start of							
reporting year		0					
Total new							
complaints							
received during							
reporting year		0					
Total complaints							
closed during							
reporting year		0					
Balance of	1	-					
complaints end of							

Incidents Additional information Have any incidents occurred on site in the current reporting year? Please list all incidents for current reporting year in Table 2 below Yes

\*For information on how to report and what

constitutes an incident What is an incident

Table 2 Incidents su	mmary													
			Incident			Other	Activity in				Preventative			
			category*please refer to			cause(please	progress at			Corrective action<20	action <20		Resolution	Likelihood of
Date of occurrence	Incident nature	Location of occurrence	guidance	Receptor	Cause of incident	specify)	time of incident	Communication	Occurrence	words	words	Resolution status	date	reoccurence
					Other (add	Landfill gas	Environmental			Continued				
27/01/2015	Breach of ELV	Monitoring Location L7	1. Minor	No Uncontrolled release	details)	migration	Monitoring	EPA	Recurring	Monitoring		Complete		High
					Other (add	Landfill gas	Environmental			Continued				
14/04/2015	Breach of ELV	Monitoring Location L7	1. Minor	No Uncontrolled release	details)	migration	Monitoring	EPA	Recurring	Monitoring		Complete		High
					Other (add	Landfill gas	Environmental			Continued				
16/06/2015	Breach of ELV	Monitoring Location L6 & L7	1. Minor	No Uncontrolled release	details)	migration	Monitoring	EPA	Recurring	Monitoring		Complete		High
					Other (add	Landfill gas	Environmental			Continued				
27/07/2015	Breach of ELV	Monitoring Location L6 & L7	1. Minor	No Uncontrolled release	details)	migration	Monitoring	EPA	Recurring	Monitoring		Complete		High
					Other (add	Landfill gas	Environmental			Continued				
13/08/2015	Breach of ELV	Monitoring Location L6 & L7	1. Minor	No Uncontrolled release	details)	migration	Monitoring	EPA	Recurring	Monitoring		Complete		High
					Other (add	Landfill gas	Environmental			Continued				
29/09/2015	Breach of ELV	Monitoring Location L6 & L7	1. Minor	No Uncontrolled release	details)	migration	Monitoring	EPA	Recurring	Monitoring		Complete		High
					Other (add	Landfill gas	Environmental			Continued				
22/10/2015	Breach of ELV	Monitoring Location L6	1. Minor	No Uncontrolled release	details)	migration	Monitoring	EPA	Recurring	Monitoring		Complete		High
					Other (add	Landfill gas	Environmental			Continued				
26/11/2015	Breach of ELV	Monitoring Location L6	1. Minor	No Uncontrolled release	details)	migration	Monitoring	EPA	Recurring	Monitoring		Complete		High
Fotal number of			•	•	•	•		•			-	•		

incidents current

increase

reporting year

year	8
Total number of	
incidents previous	
year	4
% reduction/	
increase	33%

23

WASTE SUMMARY	Lic No:	W0089-02	Year	2015
SECTION A-PRTR ON SITE WASTE TREATMENT AND WASTE TRANSFERS TAB- TO BE COMPLETED BY ALL	IPPC AND WASTE FACILITIES	PRTR facility logon	dropdown li	ist click to see options

SECTION B- WASTE ACCEPTED ONTO SITE-TO BE COMPLETED BY ALL IPPC AND WASTE FACILITIES		
Were any wastes accepted onto your site for recovery or disposal or treatment prior to recovery or disposal within the boundaries of your facility ?; (waste generated within your boundaries 1 is to be captured through PRTR reporting) If yes please enter details in table 1 below	No	Additional Information
2 Did your site have any rejected consignments of waste in the current reporting year? If yes please give a brief explanation in the additional information	No	
3 Was waste accepted onto your site that was generated outside the Republic of Ireland? If yes please state the quantity in tonnes in additional information	No	

## Table 1 Details of waste accepted onto your site for recovery, disposal or treatment (do not include wastes generated at your site, as these will have been reported in your PRTR workbook)

Licenced annual tonnage	EWC code	Source of waste accepted	Description of waste	Quantity of waste	Quantity of waste accepted in	Reduction/	Reason for	Packaging Content (%)-	Disposal/Recovery or	Quantity of	Comments -
limit for your site (total			accepted	accepted in current	previous reporting year (tonnes)	Increase over	reduction/ increase	only applies if the	treatment operation carried	waste	í.
tonnes/annum)			Please enter an	reporting year (tonnes)		previous year +/ -	from previous	waste has a packaging	out at your site and the	remaining on	í l
			accurate and detailed			%	reporting year	component	description of this operation	site at the end	1
			description - which							of reporting	í l
			applies to relevant EWC							year (tonnes)	í l
			code								í l
	European Waste Catalogue EWC codes		European Waste								í l
			Catalogue EWC codes								í l
											1
											I.
											-
											1

## SECTION C-TO BE COMPLETED BY ALL WASTE FACILITIES (waste transfer stations, Composters, Material recovery facilities etc) EXCEPT LANDFILL SITES

4 Is all waste processing infrastructure as required by your licence and approved by the Agency in place? If no please list waste processing infrastructure required onsite

5 Is all waste storage infrastructure as required by your licence and approved by the Agency in place? If no please list waste storage infrastructure required on site

6 Does your facility have relevant nuisance controls in place? 7 Do you have an odour management system in place for your facility? If no why? 8 Do you maintain a sludge register on site?

SECTION D-TO BE COMPLETED BY LANDFILL SITES ONLY

## Table 2 Waste type and tonnage-landfill only

Waste types permitted for disposal	Authorised/licenced annual intake for disposal (tpa)	Actual intake for disposal in reporting year (tpa)	Remaining licensed capacity at end of reporting year (m3)	Comments
N/A - Landfill Closed				

## Table 3 General information-Landfill only

	Area ID	Date landfilling commenced	Date landfilling ceased	Currently landfilling	Private or Public Operated	Inert or non-hazardous	Predicted date to cease landfilling	Licence permits asbestos	Is there a separate cell for asbestos?	area according	Lined disposal area occupied by waste	Unlined area	Comments on liner type
										SELECT UNIT	SELECT UNIT	SELECT UNIT	
Ν	N/A - Landfill Closed												

Table 4 Environmental monitoring-landfill only

Landfill Manual-Monitoring Standards

SELECT	
-	
SELECT	
SELECT	
SELECT	
SELECT	

WASTE SUMMARY					Lic No:	W0089-02		Year	2015		
	Was leachate monitored in compliance with LD standard in reporting year	Was Landfill Gas monitored in compliance with LD standard	Was SW monitored in compliance with LD standard in reporting year		Were emission limit values agreed with the Agency (ELVs)	Was topography of the site surveyed in reporting year	Has the statement under S53(A)(5) of WMA been submitted in reporting year	Comments			
No	Yes	Yes	Yes	Yes	Yes	No	Yes				
+ please refer to Landfill Ma	anual linked above for relevant Landfill D	virective monitoring standards				·					
Table 5 Capping-Land	Ifill only										
Area uncapped*	Area with temporary cap			Area with waste that should be permanently							
SELECT UNIT	SELECT UNIT	Area with final cap to LD Standard m2 ha, a	Area capped other	capped to date under licence	What materials are used in the cap	Comments					
N/A - Landfill Capped	-										
*please note this includes daily cover area Table 6 Leachate-Landfill only Is leachate from your site treated in a Waste Water Treatment Plant? Is leachate released to surface water? If yes please complete leachate mass load information below No											
Volume of leachate in reporting year(m3)	Leachate (BOD) mass load (kg/annum)		Leachate (NH4) mass load (kg/annum)	Leachate (Chloride) mass load kg/annum	Leachate treatment on-site	Specify type of leachate treatment	Comments				
				, , , , , , , , , , , , , , , , , , ,	No	Bandon WWTP					
6289.31	L .		Please ensure that all information reported in the landfill gas section is consistent with the Landfill Gas Survey submitted in conjunction with PRTR returns								
6289.31	Please ensure that all information report	ted in the landfill gas section is co	onsistent with the Landfill	Gas Survey submitted in	conjunction with PRTR returns		•				
6289.31	Please ensure that all information report	ted in the landfill gas section is co	onsistent with the Landfill	Gas Survey submitted in a	conjunction with PRTR returns						





# **PRTR Returns Workbook**

Version 1.1.19

# REFERENCE YEAR 2015 1. FACILITY IDENTIFICATION Parent Company Name Cork County Council Facility Name Derryconnell Landfill PRTR Identification Number W0089 Licence Number W0089-02

## Classes of Activity

No. class\_name - Refer to PRTR class activities below

Address 1	Derryconnell
Address 2	
Address 3	
Address 3	
Address 4	
	Cork
Country	
Coordinates of Location	
River Basin District	
NACE Code	
	Treatment and disposal of non-hazardous waste
AER Returns Contact Name	Mairead Hales
AER Returns Contact Email Address	mairead.hales@corkcoco.ie
AER Returns Contact Position	Executive Engineer
AER Returns Contact Telephone Number	028 37742
AER Returns Contact Mobile Phone Number	086 6018493
AER Returns Contact Fax Number	028 37742
Production Volume	0.0
Production Volume Units	
Number of Installations	0
Number of Operating Hours in Year	0
Number of Employees	3
User Feedback/Comments	
Web Address	

## 2. PRTR CLASS ACTIVITIES

Activity Number	Activity Name
5(c)	Installations for the disposal of non-hazardous waste
5(c)	Installations for the disposal of non-hazardous waste
5(d)	Landfills
50.1	General
3. SOLVENTS REGULATIONS (S.I. No. 543 of 20	02)
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) ?	

This question is only applicable if you are an IPPC or Quarry site

4.1 RELEASES TO AIR

Link to previous years emissions data

## SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

		RELEASES TO AIR		Please enter all quantities in this section in KGs					
			METH	OD			QUANTITY		
				Me	thod Used				
	No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
01		Methane (CH4)	С	OTH	LandGEM Modelling	0.0	241656.6	0.0	241656.6
		* Soloot a row by double clicking on the Pollutant Name (Column P) then click the delete bytten							

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

## SECTION B : REMAINING PRTR POLLUTANTS

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

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

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

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

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

dditional Data Requested from Landfill operators											
or the purposes of the National Inventory on Greenhouse Gases, landfill operators are requested to provide summary data on landfill gas (Methane) ared or utilised on their facilities to accompany the figures for total methane generated. Operators should only report their Net methane (CH4) emission the environment under T(total) KG/yr for Section A: Sector specific PRTR pollutants above. Please complete the table below:											
Landfill:	Derryconnell Landfill										
Please enter summary data on the quantities of methane flared and / or utilised			Met	hod Used							
	T (Total) kg/Year	M/C/E	Method Code	Designation or Description	Facility Total Capacity m3 per hour						
Total estimated methane generation (as per	i (iotai) kg/ teai	W/C/E	Method Code	Description							
site model)	279969.6	С	отн	Landgem	N/A						
Methane flared	38313.0	С	ОТН	Landfill Gas Survey	500.0	(Total Flaring Capacity)					
Methane utilised in engine/s	0.0				0.0	(Total Utilising Capacity)					
Net methane emission (as reported in Section											
A above)	241656.6	С	ОТН	LandGEM Modelling	N/A						

-				Please enter	all quantities on this sheet in Tonnes								
				Quantity (Tonnes per Year)		Waste		Method Used		<u>Haz Waste</u> : Name and Licence/Permit No of Next Destination Facility <u>Non</u> <u>Haz Waste</u> : Name and Licence/Permit No of Recover/Disposer	Haz Waste : Address of Next Destination Facility <u>Non Haz Waste</u> : 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)
	ransfer Destination	European Waste Code	Hazardous		Description of Waste	Treatment Operation	M/C/E	Method Used	Location of Treatment				
											Clonminam Industrial		Clonminam Industrial
	Vithin the Country	13 02 08	Yes	1.58	other engine, gear and lubricating oils	R13	м	Weighed	Offsite in Ireland	Enva Ireland Ltd.,W0184-01 Green Dragon Recycling,WFP-CK-10-0060-	Estate, Portlaoise, Co. Laois,., Ireland Corbally, Glanmire, Co.	Enva Ireland Ltd.,W0184-01	Estate, Portlaoise, Co. Laois, ., Ireland
	Vithin the Country	15 01 04	No	5.3	metallic packaging	R13	М	Weighed	Offsite in Ireland		Cork,.,Ireland		
	Vithin the Country	15 01 06	No	131.46	i mixed packaging	R13	М	Weighed	Offsite in Ireland		Cork ,.,Ireland		
,	Vithin the Country	15 01 07	No	44.0	glass packaging	R13	М	Weighed	Offsite in Ireland	Mr. Binman Ltd.,W0061-02	Luddenmore, Grange, Kilmallo ck, Co. Limerick, Ireland Clonminam Industrial Estate, Portlaoise, Co.		Clonminam Industrial Estate,Portlaoise,Co.
'	Vithin the Country	16 01 07	Yes	0.12		R13	м	Weighed	Offsite in Ireland		Laois,Ireland Cappincur Industrial Estate,Duingean	Enva Ireland Ltd.,W0184-01	
,	Vithin the Country	16 02 14	No	36.04	discarded equipment other than those mentioned in 16 02 09 to 16 02 13 gases in pressure containers (including	R13	м	Weighed	Offsite in Ireland	KMK Metals Recycling,W0113-03	Road,Tullamore,Co. Offaly,Ireland Clonminam Industrial Estate,Portlaoise,Co.		Clonminam Industrial Estate,Portlaoise,Co.
'	Vithin the Country	16 05 04	Yes	0.48		R13	м	Weighed	Offsite in Ireland	Enva Ireland Ltd.,W0184-01		Enva Ireland Ltd.,W0184-01	
,	Vithin the Country	16 06 01	Yes	1.96	lead batteries	R13	м	Weighed	Offsite in Ireland	KMK Metals Recycling,W0113-03 KMK Metals	Road,Tullamore,Co. Offaly,Ireland Cappincur Industrial Estate,Duingean Road,Tullamore,Co.	Enva Ireland Ltd.,W0184-01	Estate,Portlaoise,Co. Laois,.,Ireland
	Vithin the Country	16 06 05	No	0.7	other batteries and accumulators landfill leachate other than those	R13	М	Weighed	Offsite in Ireland	Recycling,W0113-03 Cork County Council -	Offaly,Ireland Glaslin Road,Bandon,Co.		
	Vithin the Country	19 07 03	No	6289.31		D9	М	Weighed	Offsite in Ireland	Bandon WWTP,.	Cork,.,Ireland 1 Ballycregagh		
	o Other Countries	20 01 11	No	5.36	textiles	R13	м	Weighed	Abroad	All-Tex Recyclers Ltd.,LN/13/17 Cork Oil Collectors,WFP-CK-	Road,Cloughmills,Co. Antrim,.,Ireland 5 St. Lappans Place,Little		
	Vithin the Country	20 01 25	No	0.78		R13	м	Weighed	Offsite in Ireland		Island,Cork,.,Ireland Clonminam Industrial		Clonminam Industrial
,	Vithin the Country	20 01 27	Yes	6.24	5	R13	м	Weighed	Offsite in Ireland	Enva Ireland Ltd.,W0184-01	Caher &	Enva Ireland Ltd.,W0184-01	Estate,Portlaoise,Co. Laois,.,Ireland
	Vithin the Country	20 01 38	No	53.98	wood other than that mentioned in 20 01 37	R13	м	Weighed	Offsite in Ireland	Ballineen Skip Hire, WFP-CK- 10-0054-01-A2 Pouladuff Dismantlers, CK-	Connagh,Ballineen,Co. Cork,.,Ireland Forge Hill,Airport		
	Vithin the Country	20 01 40	No	42.24	metals	R13	м	Weighed	Offsite in Ireland		Road,Cork,.,Ireland		
	Vithin the Country	20 03 01	No	288.54	mixed municipal waste	D15	м	Weighed	Offsite in Ireland		Cork ,.,Ireland		
	Vithin the Country	20 03 07	No	134.9 0.0	-	D15	М	Weighed	Offsite in Ireland	0120-01	Cork ,.,Ireland		

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