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

Facility Information Summary	
AER Reporting Year	2017
Licence Register Number	W0023-1
Name of site	RAFFEEN CAS AND LANDFILL (CLOSED)
Site Location	Cork County Council, Raffeen, Monkstown, CO. Cork
NACE Code	3821
Class/Classes of Activity	5(c), 5(d), 50.1
National Grid Reference (6E, 6 N)	1751E 0654N

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** listing all exceedances of licence limits (where applicable) and what they relate to e.g. air, water, noise.	Raffeen CAS is a recycling facility that accepts household materials such as Domestic waste, food cans, beverage cans, glass bottles, rubble/DIY, paper, Cardboard, Newpapers and Magazines, Paint, Batteries, Waste Engine Oil, Fluorescent Tubes, Scrap Metal, Timber, Flat Glass, Green Waste, Textiles, Waste Cooking Oil & WEEE. The CAS has been open to the public for recycling and disposal since late 2005. The attached landfill was in operation from 1979 until -October 2001. No complaints were made against the facility during 2016. Overall the site has been compliant with its licence

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.

Signature Group/Facility manager (or nominated, suitably qualified and experienced deputy)		30/03/17

AIR-summary template	Lic No:	W0023-1	Year	2017

Answer all questions and complete all tables where relevant

			Additional information
1	Does your site have licensed air emissions? If yes please complete table A1 and A2 below for the current 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 do not need to complete the tables	Yes	

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		No	
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 Monitoring	ELV in licence or any revision therof	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence limit	Method of analysis	Annual mass load (kg)	Comments -reason for change in % mass load from previous year if applicable
Flare Stack	Methane (CH4)	Continuous	N/A	SELECT	65,213	m3	yes	MAB		
Flare Stack	Carbon dioxide (CO2)	Continuous	N/A	SELECT	53,243	m3	yes	ISO 12039:2001		
Flare Stack	Carbon monoxide (CO)	Annual	<50mg/Nm3	No 30min mean can exceed the ELV	4.61	mg/Nm3	yes	ISO 12039:2001		
Flare Stack	Nitrogen oxides (NOx/NO2)	Annual	<150mg/Nm3	No 30min mean can exceed the ELV	14.53	mg/Nm3	yes	EN 14792:2005		
Flare Stack	Sulphur oxides (SOx/SO2)	Annual	N/A	SELECT	35.58	mg/Nm3	yes	EN 14791:2005		
	SELECT			SELECT		SELECT	SELECT	SELECT		

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

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Continuous Monitoring

4	Does your site carry out continuous air emissions monitoring?	Yes	

If yes please review your continuous monitoring data and report the required fields below in Table 3 and compare it to its relevant Emission Limit Value (ELV)

5	Did continuous monitoring equipment experience downtime? If yes please record downtime in table 3 below	Yes	
6	Do you have a proactive service agreement for each piece of continuous monitoring equipment?	Yes	
7	Did your site experience any abatement system bypasses? If yes please detail them in table 4 below	No	

Table A2: Summary of average emissions -continuous monitoring

Emission reference no:	Parameter/ Substance	ELV in licence or any revision therof	Averaging Period	Compliance Criteria	Units of measurement	Annual Emission	Annual maximum	Monitoring Equipment downtime (hours)	Number of ELV exceedences in current reporting year	Comments
Flare Stack	Methane (CH4)	Continuous	N/A	SELECT	m3	62,914	m3	yes	MAB	
Flare Stack	Carbon dioxide (CO2)	Continuous	N/A	SELECT	SELECT	53243	m3	yes	ISO 12039:2001	
Flare Stack	Carbon monoxide (CO)	Annual	<50mg/Nm3	No 30min mean can exceed the ELV	SELECT	4.61	mg/Nm3	yes	ISO 12039:2001	
Flare Stack	Nitrogen oxides (NOx/NO2)	Annual	<150mg/Nm3	No 30min mean can exceed the ELV	SELECT	14.53	mg/Nm3	yes	EN 14792:2005	
Flare Stack	Sulphur oxides (SOx/SO2)	Annual	N/A	SELECT	SELECT	35.58	mg/Nm3	yes	EN 14791:2005	

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

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Solvent use and management on site

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

SELECT

Table A4: Solvent Management Plan Summary
Total VOC Emission limit value

Solvent regulations — Please refer to linked solvent regulations to complete table 5 and 6

Reporting year	Total solvent input on site (kg)	Total VOC emissions to Air from entire site	Total VOC emissions as %of solvent	Total Emission Limit Value (ELV) in licence or any revision therof	Compliance
					SELECT
					SELECT

Table A5: Solvent Mass Balance summary

	(I) Inputs (kg)	(O) Outputs (kg)						
Solvent	(I) Inputs (kg)	Organic solvent emission in	Solvents lost in water (kg)	Collected waste solvent (kg)	Fugitive Organic Solvent (kg)	Solvent released in other ways e.g. by-	Solvents destroyed onsite through	Total emission of Solvent to air (kg)
							Total	

nary template-WATER/WASTEWATER(SEWER) Lic No: W0023-1 Year 2017

		Additional information
Does your site have licensed emissions direct to surface water or direct to sewer? If yes please complete table W2 and W3 below for the current reporting year and answer further questions. If **you do not have** licenced emissions you only need to complete table W1 and or W2 for surface water analysis and visual inspections	No	
Was it a requirement of your licence to carry out visual inspections on any surface water discharges or watercourses on or near your site? If yes please complete table W2 below summarising only any evidence of contamination noted during visual inspections	No	

Table W1 Surface water monitoring

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		SELECT	Ammonia (as N)	10/01/17			0.02	mg/L	SELECT	WEEKLY
SW2		SELECT	Ammonia (as N)	10/01/17			22.8	mg/L	SELECT	WEEKLY
SW2A		SELECT	Ammonia (as N)	10/01/17			0.16	mg/L	SELECT	WEEKLY
SW2B		SELECT	Ammonia (as N)	10/01/17			3.86	mg/L	SELECT	WEEKLY
SW3		SELECT	Ammonia (as N)	10/01/17			2.35	mg/L	SELECT	WEEKLY
SW4		SELECT	Ammonia (as N)	10/01/17			0.03	mg/L	SELECT	WEEKLY
SW5		SELECT	Ammonia (as N)	10/01/17			0.04	mg/L	SELECT	WEEKLY
SW1		SELECT	Ammonia (as N)	19/01/17			0.05	mg/L	SELECT	WEEKLY
SW2		SELECT	Ammonia (as N)	19/01/17			24.7	mg/L	SELECT	WEEKLY
SW2A		SELECT	Ammonia (as N)	19/01/17			0.22	mg/L	SELECT	WEEKLY
SW2B		SELECT	Ammonia (as N)	19/01/17			1.97	mg/L	SELECT	WEEKLY
SW3		SELECT	Ammonia (as N)	19/01/17			2.49	mg/L	SELECT	WEEKLY
SW4		SELECT	Ammonia (as N)	19/01/17			0.05	mg/L	SELECT	WEEKLY
SW5		SELECT	Ammonia (as N)	19/01/17			0.03	mg/L	SELECT	WEEKLY
SW1		SELECT	Ammonia (as N)	24/01/17			0.05	mg/L	SELECT	WEEKLY
SW2		SELECT	Ammonia (as N)	24/01/17			24.4	mg/L	SELECT	WEEKLY
SW2A		SELECT	Ammonia (as N)	24/01/17			0.22	mg/L	SELECT	WEEKLY
SW2B		SELECT	Ammonia (as N)	24/01/17			1.35	mg/L	SELECT	WEEKLY
SW3		SELECT	Ammonia (as N)	24/01/17			4.09	mg/L	SELECT	WEEKLY
SW4		SELECT	Ammonia (as N)	24/01/17			0.05	mg/L	SELECT	WEEKLY
SW5		SELECT	Ammonia (as N)	24/01/17			<0.02	mg/L	SELECT	WEEKLY
SW1		SELECT	Ammonia (as N)	31/01/17			0.09	mg/L	SELECT	WEEKLY
SW2		SELECT	Ammonia (as N)	31/01/17			24.3	mg/L	SELECT	WEEKLY
SW2A		SELECT	Ammonia (as N)	31/01/17			0.19	mg/L	SELECT	WEEKLY
SW2B		SELECT	Ammonia (as N)	31/01/17			4.83	mg/L	SELECT	WEEKLY
SW3		SELECT	Ammonia (as N)	31/01/17			1.18	mg/L	SELECT	WEEKLY
SW4		SELECT	Ammonia (as N)	31/01/17			0.09	mg/L	SELECT	WEEKLY
SW5		SELECT	Ammonia (as N)	31/01/17			0.05	mg/L	SELECT	WEEKLY
SW1		SELECT	Ammonia (as N)	07/02/17			<0.02	mg/L	SELECT	WEEKLY
SW2		SELECT	Ammonia (as N)	07/02/17			17.8	mg/L	SELECT	WEEKLY
SW2A		SELECT	Ammonia (as N)	07/02/17			0.13	mg/L	SELECT	WEEKLY
SW2B		SELECT	Ammonia (as N)	07/02/17			1.27	mg/L	SELECT	WEEKLY
SW3		SELECT	Ammonia (as N)	07/02/17			1.27	mg/L	SELECT	WEEKLY
SW4		SELECT	Ammonia (as N)	07/02/17			<0.02	mg/L	SELECT	WEEKLY
SW5		SELECT	Ammonia (as N)	07/02/17			<0.02	mg/L	SELECT	WEEKLY
SW1		SELECT	Ammonia (as N)	14/02/17			0.04	mg/L	SELECT	WEEKLY
SW2		SELECT	Ammonia (as N)	14/02/17			27.9	mg/L	SELECT	WEEKLY
SW2A		SELECT	Ammonia (as N)	14/02/17			0.18	mg/L	SELECT	WEEKLY
SW2B		SELECT	Ammonia (as N)	14/02/17			1.95	mg/L	SELECT	WEEKLY
SW3		SELECT	Ammonia (as N)	14/02/17			1.57	mg/L	SELECT	WEEKLY
SW4		SELECT	Ammonia (as N)	14/02/17			0.05	mg/L	SELECT	WEEKLY
SW5		SELECT	Ammonia (as N)	14/02/17			<0.02	mg/L	SELECT	WEEKLY
SW1		SELECT	Ammonia (as N)	22/02/17			<0.02	mg/L	SELECT	WEEKLY
SW2		SELECT	Ammonia (as N)	22/02/17			35.2	mg/L	SELECT	WEEKLY
SW2A		SELECT	Ammonia (as N)	22/02/17			0.22	mg/L	SELECT	WEEKLY
SW2B		SELECT	Ammonia (as N)	22/02/17			5.15	mg/L	SELECT	WEEKLY
SW3		SELECT	Ammonia (as N)	22/02/17			2.46	mg/L	SELECT	WEEKLY
SW4		SELECT	Ammonia (as N)	22/02/17			0.03	mg/L	SELECT	WEEKLY
SW5		SELECT	Ammonia (as N)	22/02/17			<0.02	mg/L	SELECT	WEEKLY
SW1		SELECT	Ammonia (as N)	28/02/17			0.03	mg/L	SELECT	WEEKLY
SW2		SELECT	Ammonia (as N)	28/02/17			26.2	mg/L	SELECT	WEEKLY
SW2A		SELECT	Ammonia (as N)	28/02/17			0.26	mg/L	SELECT	WEEKLY
SW2B		SELECT	Ammonia (as N)	28/02/17			5.66	mg/L	SELECT	WEEKLY
SW3		SELECT	Ammonia (as N)	28/02/17			2.76	mg/L	SELECT	WEEKLY
SW4		SELECT	Ammonia (as N)	28/02/17			0.04	mg/L	SELECT	WEEKLY
SW5		SELECT	Ammonia (as N)	28/02/17			<0.02	mg/L	SELECT	WEEKLY
SW1		SELECT	Ammonia (as N)	08/03/17			0.02	mg/L	SELECT	WEEKLY
SW2		SELECT	Ammonia (as N)	08/03/17			23.4	mg/L	SELECT	WEEKLY

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SW2A		SELECT	Ammonia (as N)	08/03/17			0.21	mg/L	SELECT	WEEKLY
SW2B		SELECT	Ammonia (as N)	08/03/17			1.23	mg/L	SELECT	WEEKLY
SW3		SELECT	Ammonia (as N)	08/03/17			1.6	mg/L	SELECT	WEEKLY
SW4		SELECT	Ammonia (as N)	08/03/17			0.03	mg/L	SELECT	WEEKLY
SW5		SELECT	Ammonia (as N)	08/03/17			<0.02	mg/L	SELECT	WEEKLY
SW1		SELECT	Ammonia (as N)	20/03/17			0.08	mg/L	SELECT	WEEKLY
SW2		SELECT	Ammonia (as N)	20/03/17			30.9	mg/L	SELECT	WEEKLY
SW2A		SELECT	Ammonia (as N)	20/03/17			0.37	mg/L	SELECT	WEEKLY
SW2B		SELECT	Ammonia (as N)	20/03/17			7.94	mg/L	SELECT	WEEKLY
SW3		SELECT	Ammonia (as N)	20/03/17			2.34	mg/L	SELECT	WEEKLY
SW4		SELECT	Ammonia (as N)	20/03/17			0.05	mg/L	SELECT	WEEKLY
SW5		SELECT	Ammonia (as N)	20/03/17			<0.02	mg/L	SELECT	WEEKLY
SW1		SELECT	Ammonia (as N)	29/03/17			0.03	mg/L	SELECT	WEEKLY
SW2		SELECT	Ammonia (as N)	29/03/17			29.4	mg/L	SELECT	WEEKLY
SW2A		SELECT	Ammonia (as N)	29/03/17			0.31	mg/L	SELECT	WEEKLY
SW2B		SELECT	Ammonia (as N)	29/03/17			7.66	mg/L	SELECT	WEEKLY
SW3		SELECT	Ammonia (as N)	29/03/17			5.1	mg/L	SELECT	WEEKLY
SW4		SELECT	Ammonia (as N)	29/03/17			0.05	mg/L	SELECT	WEEKLY
SW5		SELECT	Ammonia (as N)	29/03/17			<0.02	mg/L	SELECT	WEEKLY
SW1		SELECT	Ammonia (as N)	06/04/17			<0.02	mg/L	SELECT	WEEKLY
SW2		SELECT	Ammonia (as N)	06/04/17			26.2	mg/L	SELECT	WEEKLY
SW2A		SELECT	Ammonia (as N)	06/04/17			0.23	mg/L	SELECT	WEEKLY
SW2B		SELECT	Ammonia (as N)	06/04/17			11.9	mg/L	SELECT	WEEKLY
SW3		SELECT	Ammonia (as N)	06/04/17			3.89	mg/L	SELECT	WEEKLY
SW4		SELECT	Ammonia (as N)	06/04/17			<0.02	mg/L	SELECT	WEEKLY
SW5		SELECT	Ammonia (as N)	06/04/17			<0.02	mg/L	SELECT	WEEKLY
SW1		SELECT	Ammonia (as N)	12/04/17			0.02	mg/L	SELECT	WEEKLY
SW2		SELECT	Ammonia (as N)	12/04/17			27.3	mg/L	SELECT	WEEKLY
SW2A		SELECT	Ammonia (as N)	12/04/17			0.27	mg/L	SELECT	WEEKLY
SW2B		SELECT	Ammonia (as N)	12/04/17			4.63	mg/L	SELECT	WEEKLY
SW3		SELECT	Ammonia (as N)	12/04/17			4.38	mg/L	SELECT	WEEKLY
SW4		SELECT	Ammonia (as N)	12/04/17			0.02	mg/L	SELECT	WEEKLY
SW5		SELECT	Ammonia (as N)	12/04/17			0.04	mg/L	SELECT	WEEKLY
SW1		SELECT	Ammonia (as N)	18/04/17			0.06	mg/L	SELECT	WEEKLY
SW2		SELECT	Ammonia (as N)	18/04/17			25.1	mg/L	SELECT	WEEKLY
SW2A		SELECT	Ammonia (as N)	18/04/17			0.31	mg/L	SELECT	WEEKLY
SW2B		SELECT	Ammonia (as N)	18/04/17			11.3	mg/L	SELECT	WEEKLY
SW3		SELECT	Ammonia (as N)	18/04/17			5.59	mg/L	SELECT	WEEKLY
SW4		SELECT	Ammonia (as N)	18/04/17			0.04	mg/L	SELECT	WEEKLY
SW5		SELECT	Ammonia (as N)	18/04/17			0.02	mg/L	SELECT	WEEKLY
SW1		SELECT	Ammonia (as N)	27/04/17			0.04	mg/L	SELECT	WEEKLY
SW2		SELECT	Ammonia (as N)	27/04/17			26.9	mg/L	SELECT	WEEKLY
SW2A		SELECT	Ammonia (as N)	27/04/17			0.3	mg/L	SELECT	WEEKLY
SW2B		SELECT	Ammonia (as N)	27/04/17			5.13	mg/L	SELECT	WEEKLY
SW3		SELECT	Ammonia (as N)	27/04/17			6.58	mg/L	SELECT	WEEKLY
SW4		SELECT	Ammonia (as N)	27/04/17			0.03	mg/L	SELECT	WEEKLY
SW5		SELECT	Ammonia (as N)	27/04/17			<0.02	mg/L	SELECT	WEEKLY
SW1		SELECT	Ammonia (as N)	05/05/17			0.03	mg/L	SELECT	WEEKLY
SW2		SELECT	Ammonia (as N)	05/05/17			24.8	mg/L	SELECT	WEEKLY
SW2A		SELECT	Ammonia (as N)	05/05/17			0.27	mg/L	SELECT	WEEKLY
SW2B		SELECT	Ammonia (as N)	05/05/17			12.9	mg/L	SELECT	WEEKLY
SW3		SELECT	Ammonia (as N)	05/05/17			8.58	mg/L	SELECT	WEEKLY
SW4		SELECT	Ammonia (as N)	05/05/17			0.03	mg/L	SELECT	WEEKLY
SW5		SELECT	Ammonia (as N)	05/05/17			0.07	mg/L	SELECT	WEEKLY
SW1		SELECT	Ammonia (as N)	09/05/17			0.04	mg/L	SELECT	WEEKLY
SW2		SELECT	Ammonia (as N)	09/05/17			24.4	mg/L	SELECT	WEEKLY
SW2A		SELECT	Ammonia (as N)	09/05/17			5.49	mg/L	SELECT	WEEKLY
SW2B		SELECT	Ammonia (as N)	09/05/17			12.1	mg/L	SELECT	WEEKLY
SW3		SELECT	Ammonia (as N)	09/05/17			4.55	mg/L	SELECT	WEEKLY
SW4		SELECT	Ammonia (as N)	09/05/17			0.15	mg/L	SELECT	WEEKLY
SW5		SELECT	Ammonia (as N)	09/05/17			-	mg/L	SELECT	WEEKLY
SW1		SELECT	Ammonia (as N)	15/05/17			0.14	mg/L	SELECT	WEEKLY
SW2		SELECT	Ammonia (as N)	15/05/17			25.4	mg/L	SELECT	WEEKLY
SW2A		SELECT	Ammonia (as N)	15/05/17			0.24	mg/L	SELECT	WEEKLY
SW2B		SELECT	Ammonia (as N)	15/05/17			1.82	mg/L	SELECT	WEEKLY
SW3		SELECT	Ammonia (as N)	15/05/17			4.49	mg/L	SELECT	WEEKLY
SW4		SELECT	Ammonia (as N)	15/05/17			0.14	mg/L	SELECT	WEEKLY
SW5		SELECT	Ammonia (as N)	15/05/17			0.02	mg/L	SELECT	WEEKLY
SW1		SELECT	Ammonia (as N)	23/05/17			0.03	mg/L	SELECT	WEEKLY
SW2		SELECT	Ammonia (as N)	23/05/17			24.2	mg/L	SELECT	WEEKLY
SW2A		SELECT	Ammonia (as N)	23/05/17			0.22	mg/L	SELECT	WEEKLY
SW2B		SELECT	Ammonia (as N)	23/05/17			7.42	mg/L	SELECT	WEEKLY
SW3		SELECT	Ammonia (as N)	23/05/17			7.13	mg/L	SELECT	WEEKLY
SW4		SELECT	Ammonia (as N)	23/05/17			0.03	mg/L	SELECT	WEEKLY
SW5		SELECT	Ammonia (as N)	23/05/17			0.02	mg/L	SELECT	WEEKLY

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SW1		SELECT	Ammonia (as N)	30/05/17			0.03	mg/L	SELECT	WEEKLY
SW2		SELECT	Ammonia (as N)	30/05/17			22	mg/L	SELECT	WEEKLY
SW2A		SELECT	Ammonia (as N)	30/05/17			0.58	mg/L	SELECT	WEEKLY
SW2B		SELECT	Ammonia (as N)	30/05/17			5.23	mg/L	SELECT	WEEKLY
SW3		SELECT	Ammonia (as N)	30/05/17			8.81	mg/L	SELECT	WEEKLY
SW4		SELECT	Ammonia (as N)	30/05/17			0.17	mg/L	SELECT	WEEKLY
SW5		SELECT	Ammonia (as N)	30/05/17			0.13	mg/L	SELECT	WEEKLY
SW1		SELECT	Ammonia (as N)	09/06/17			0.03	mg/L	SELECT	WEEKLY
SW2		SELECT	Ammonia (as N)	09/06/17			21.2	mg/L	SELECT	WEEKLY
SW2A		SELECT	Ammonia (as N)	09/06/17			0.28	mg/L	SELECT	WEEKLY
SW2B		SELECT	Ammonia (as N)	09/06/17			1.91	mg/L	SELECT	WEEKLY
SW3		SELECT	Ammonia (as N)	09/06/17			4.01	mg/L	SELECT	WEEKLY
SW4		SELECT	Ammonia (as N)	09/06/17			0.05	mg/L	SELECT	WEEKLY
SW5		SELECT	Ammonia (as N)	09/06/17			<0.02	mg/L	SELECT	WEEKLY
SW1		SELECT	Ammonia (as N)	15/06/17			<0.02	mg/L	SELECT	WEEKLY
SW2		SELECT	Ammonia (as N)	15/06/17			22.5	mg/L	SELECT	WEEKLY
SW2A		SELECT	Ammonia (as N)	15/06/17			0.36	mg/L	SELECT	WEEKLY
SW2B		SELECT	Ammonia (as N)	15/06/17			1.98	mg/L	SELECT	WEEKLY
SW3		SELECT	Ammonia (as N)	15/06/17			2.71	mg/L	SELECT	WEEKLY
SW4		SELECT	Ammonia (as N)	15/06/17			<0.02	mg/L	SELECT	WEEKLY
SW5		SELECT	Ammonia (as N)	15/06/17			<0.02	mg/L	SELECT	WEEKLY
SW1		SELECT	Ammonia (as N)	21/06/17			0.03	mg/L	SELECT	WEEKLY
SW2		SELECT	Ammonia (as N)	21/06/17			24.1	mg/L	SELECT	WEEKLY
SW2A		SELECT	Ammonia (as N)	21/06/17			0.16	mg/L	SELECT	WEEKLY
SW2B		SELECT	Ammonia (as N)	21/06/17			3.1	mg/L	SELECT	WEEKLY
SW3		SELECT	Ammonia (as N)	21/06/17			3.94	mg/L	SELECT	WEEKLY
SW4		SELECT	Ammonia (as N)	21/06/17			0.03	mg/L	SELECT	WEEKLY
SW5		SELECT	Ammonia (as N)	21/06/17			<0.02	mg/L	SELECT	WEEKLY
SW1		SELECT	Ammonia (as N)	26/06/17			<0.02	mg/L	SELECT	WEEKLY
SW2		SELECT	Ammonia (as N)	26/06/17			22.3	mg/L	SELECT	WEEKLY
SW2A		SELECT	Ammonia (as N)	26/06/17			0.15	mg/L	SELECT	WEEKLY
SW2B		SELECT	Ammonia (as N)	26/06/17			4.5	mg/L	SELECT	WEEKLY
SW3		SELECT	Ammonia (as N)	26/06/17			6.37	mg/L	SELECT	WEEKLY
SW4		SELECT	Ammonia (as N)	26/06/17			<0.02	mg/L	SELECT	WEEKLY
SW5		SELECT	Ammonia (as N)	26/06/17			-	mg/L	SELECT	WEEKLY
SW1		SELECT	Ammonia (as N)	07/07/17			0.02	mg/L	SELECT	WEEKLY
SW2		SELECT	Ammonia (as N)	07/07/17			25.1	mg/L	SELECT	WEEKLY
SW2A		SELECT	Ammonia (as N)	07/07/17			0.17	mg/L	SELECT	WEEKLY
SW2B		SELECT	Ammonia (as N)	07/07/17			10.1	mg/L	SELECT	WEEKLY
SW3		SELECT	Ammonia (as N)	07/07/17			6.08	mg/L	SELECT	WEEKLY
SW4		SELECT	Ammonia (as N)	07/07/17			0.09	mg/L	SELECT	WEEKLY
SW5		SELECT	Ammonia (as N)	07/07/17			**	mg/L	SELECT	WEEKLY
SW1		SELECT	Ammonia (as N)	13/07/17			<0.02	mg/L	SELECT	WEEKLY
SW2		SELECT	Ammonia (as N)	13/07/17			24.5	mg/L	SELECT	WEEKLY
SW2A		SELECT	Ammonia (as N)	13/07/17			0.15	mg/L	SELECT	WEEKLY
SW2B		SELECT	Ammonia (as N)	13/07/17			3.56	mg/L	SELECT	WEEKLY
SW3		SELECT	Ammonia (as N)	13/07/17			10.2	mg/L	SELECT	WEEKLY
SW4		SELECT	Ammonia (as N)	13/07/17			<0.02	mg/L	SELECT	WEEKLY
SW5		SELECT	Ammonia (as N)	13/07/17			**	mg/L	SELECT	WEEKLY
SW1		SELECT	Ammonia (as N)	21/07/17			0.09	mg/L	SELECT	WEEKLY
SW2		SELECT	Ammonia (as N)	21/07/17			34.1	mg/L	SELECT	WEEKLY
SW2A		SELECT	Ammonia (as N)	21/07/17			0.19	mg/L	SELECT	WEEKLY
SW2B		SELECT	Ammonia (as N)	21/07/17			6.06	mg/L	SELECT	WEEKLY
SW3		SELECT	Ammonia (as N)	21/07/17			9.83	mg/L	SELECT	WEEKLY
SW4		SELECT	Ammonia (as N)	21/07/17			0.06	mg/L	SELECT	WEEKLY
SW5		SELECT	Ammonia (as N)	21/07/17			0.07	mg/L	SELECT	WEEKLY
SW1		SELECT	Ammonia (as N)	26/07/17			0.03	mg/L	SELECT	WEEKLY
SW2		SELECT	Ammonia (as N)	26/07/17			25	mg/L	SELECT	WEEKLY
SW2A		SELECT	Ammonia (as N)	26/07/17			0.15	mg/L	SELECT	WEEKLY
SW2B		SELECT	Ammonia (as N)	26/07/17			2.99	mg/L	SELECT	WEEKLY
SW3		SELECT	Ammonia (as N)	26/07/17			10.7	mg/L	SELECT	WEEKLY
SW4		SELECT	Ammonia (as N)	26/07/17			0.05	mg/L	SELECT	WEEKLY
SW5		SELECT	Ammonia (as N)	26/07/17			<0.02	mg/L	SELECT	WEEKLY
SW1		SELECT	Ammonia (as N)	31/07/17			0.29	mg/L	SELECT	WEEKLY
SW2		SELECT	Ammonia (as N)	31/07/17			24.5	mg/L	SELECT	WEEKLY
SW2A		SELECT	Ammonia (as N)	31/07/17			0.04	mg/L	SELECT	WEEKLY
SW2B		SELECT	Ammonia (as N)	31/07/17			8.13	mg/L	SELECT	WEEKLY
SW3		SELECT	Ammonia (as N)	31/07/17			13.5	mg/L	SELECT	WEEKLY
SW4		SELECT	Ammonia (as N)	31/07/17			0.08	mg/L	SELECT	WEEKLY
SW5		SELECT	Ammonia (as N)	31/07/17			**	mg/L	SELECT	WEEKLY
SW1		SELECT	Ammonia (as N)	08/08/17			0.04	mg/L	SELECT	WEEKLY
SW2		SELECT	Ammonia (as N)	08/08/17			24.5	mg/L	SELECT	WEEKLY
SW2A		SELECT	Ammonia (as N)	08/08/17			0.27	mg/L	SELECT	WEEKLY
SW2B		SELECT	Ammonia (as N)	08/08/17			11.6	mg/L	SELECT	WEEKLY
SW3		SELECT	Ammonia (as N)	08/08/17			12.9	mg/L	SELECT	WEEKLY

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SW4		SELECT	Ammonia (as N)	08/08/17			0.03	mg/L	SELECT	WEEKLY
SW5		SELECT	Ammonia (as N)	08/08/17			**	mg/L	SELECT	WEEKLY
SW1		SELECT	Ammonia (as N)	14/08/17			0.03	mg/L	SELECT	WEEKLY
SW2		SELECT	Ammonia (as N)	14/08/17			21.7	mg/L	SELECT	WEEKLY
SW2A		SELECT	Ammonia (as N)	14/08/17			0.61	mg/L	SELECT	WEEKLY
SW2B		SELECT	Ammonia (as N)	14/08/17			2.34	mg/L	SELECT	WEEKLY
SW3		SELECT	Ammonia (as N)	14/08/17			8.88	mg/L	SELECT	WEEKLY
SW4		SELECT	Ammonia (as N)	14/08/17			0.02	mg/L	SELECT	WEEKLY
SW5		SELECT	Ammonia (as N)	14/08/17			<0.02	mg/L	SELECT	WEEKLY
SW1		SELECT	Ammonia (as N)	21/08/17			0.06	mg/L	SELECT	WEEKLY
SW2		SELECT	Ammonia (as N)	21/08/17			30.3	mg/L	SELECT	WEEKLY
SW2A		SELECT	Ammonia (as N)	21/08/17			0.12	mg/L	SELECT	WEEKLY
SW2B		SELECT	Ammonia (as N)	21/08/17			3.23	mg/L	SELECT	WEEKLY
SW3		SELECT	Ammonia (as N)	21/08/17			14.2	mg/L	SELECT	WEEKLY
SW4		SELECT	Ammonia (as N)	21/08/17			0.05	mg/L	SELECT	WEEKLY
SW5		SELECT	Ammonia (as N)	21/08/17			<0.02	mg/L	SELECT	WEEKLY
SW1		SELECT	Ammonia (as N)	01/09/17			0.05	mg/L	SELECT	WEEKLY
SW2		SELECT	Ammonia (as N)	01/09/17			***	mg/L	SELECT	WEEKLY
SW2A		SELECT	Ammonia (as N)	01/09/17			0.18	mg/L	SELECT	WEEKLY
SW2B		SELECT	Ammonia (as N)	01/09/17			***	mg/L	SELECT	WEEKLY
SW3		SELECT	Ammonia (as N)	01/09/17			12.8	mg/L	SELECT	WEEKLY
SW4		SELECT	Ammonia (as N)	01/09/17			0.06	mg/L	SELECT	WEEKLY
SW5		SELECT	Ammonia (as N)	01/09/17			**	mg/L	SELECT	WEEKLY
SW1		SELECT	Ammonia (as N)	05/09/17			<0.02	mg/L	SELECT	WEEKLY
SW2		SELECT	Ammonia (as N)	05/09/17			***	mg/L	SELECT	WEEKLY
SW2A		SELECT	Ammonia (as N)	05/09/17			0.06	mg/L	SELECT	WEEKLY
SW2B		SELECT	Ammonia (as N)	05/09/17			***	mg/L	SELECT	WEEKLY
SW3		SELECT	Ammonia (as N)	05/09/17			2.87	mg/L	SELECT	WEEKLY
SW4		SELECT	Ammonia (as N)	05/09/17			0.02	mg/L	SELECT	WEEKLY
SW5		SELECT	Ammonia (as N)	05/09/17			<0.02	mg/L	SELECT	WEEKLY
SW1		SELECT	Ammonia (as N)	15/09/17			0.02	mg/L	SELECT	WEEKLY
SW2		SELECT	Ammonia (as N)	15/09/17			25	mg/L	SELECT	WEEKLY
SW2A		SELECT	Ammonia (as N)	15/09/17			0.14	mg/L	SELECT	WEEKLY
SW2B		SELECT	Ammonia (as N)	15/09/17			***	mg/L	SELECT	WEEKLY
SW3		SELECT	Ammonia (as N)	15/09/17			5.44	mg/L	SELECT	WEEKLY
SW4		SELECT	Ammonia (as N)	15/09/17			0.04	mg/L	SELECT	WEEKLY
SW5		SELECT	Ammonia (as N)	15/09/17			<0.02	mg/L	SELECT	WEEKLY
SW1		SELECT	Ammonia (as N)	20/09/17			0.23	mg/L	SELECT	WEEKLY
SW2		SELECT	Ammonia (as N)	20/09/17			15.2	mg/L	SELECT	WEEKLY
SW2A		SELECT	Ammonia (as N)	20/09/17			0.23	mg/L	SELECT	WEEKLY
SW2B		SELECT	Ammonia (as N)	20/09/17			***	mg/L	SELECT	WEEKLY
SW3		SELECT	Ammonia (as N)	20/09/17			2.63	mg/L	SELECT	WEEKLY
SW4		SELECT	Ammonia (as N)	20/09/17			0.23	mg/L	SELECT	WEEKLY
SW5		SELECT	Ammonia (as N)	20/09/17			0.03	mg/L	SELECT	WEEKLY
SW1		SELECT	Ammonia (as N)	28/09/17			0.11	mg/L	SELECT	WEEKLY
SW2		SELECT	Ammonia (as N)	28/09/17			16.6	mg/L	SELECT	WEEKLY
SW2A		SELECT	Ammonia (as N)	28/09/17			0.16	mg/L	SELECT	WEEKLY
SW2B		SELECT	Ammonia (as N)	28/09/17			***	mg/L	SELECT	WEEKLY
SW3		SELECT	Ammonia (as N)	28/09/17			0.88	mg/L	SELECT	WEEKLY
SW4		SELECT	Ammonia (as N)	28/09/17			0.11	mg/L	SELECT	WEEKLY
SW5		SELECT	Ammonia (as N)	28/09/17			0.08	mg/L	SELECT	WEEKLY
SW1		SELECT	Ammonia (as N)	04/10/17			0.05	mg/L	SELECT	WEEKLY
SW2		SELECT	Ammonia (as N)	04/10/17			17.6	mg/L	SELECT	WEEKLY
SW2A		SELECT	Ammonia (as N)	04/10/17			0.14	mg/L	SELECT	WEEKLY
SW2B		SELECT	Ammonia (as N)	04/10/17			***	mg/L	SELECT	WEEKLY
SW3		SELECT	Ammonia (as N)	04/10/17			1.82	mg/L	SELECT	WEEKLY
SW4		SELECT	Ammonia (as N)	04/10/17			0.03	mg/L	SELECT	WEEKLY
SW5		SELECT	Ammonia (as N)	04/10/17			0.02	mg/L	SELECT	WEEKLY
SW1		SELECT	Ammonia (as N)	10/10/17			<0.02	mg/L	SELECT	WEEKLY
SW2		SELECT	Ammonia (as N)	10/10/17			16.1	mg/L	SELECT	WEEKLY
SW2A		SELECT	Ammonia (as N)	10/10/17			0.12	mg/L	SELECT	WEEKLY
SW2B		SELECT	Ammonia (as N)	10/10/17			***	mg/L	SELECT	WEEKLY
SW3		SELECT	Ammonia (as N)	10/10/17			1.62	mg/L	SELECT	WEEKLY
SW4		SELECT	Ammonia (as N)	10/10/17			<0.02	mg/L	SELECT	WEEKLY
SW5		SELECT	Ammonia (as N)	10/10/17			<0.02	mg/L	SELECT	WEEKLY
SW1		SELECT	Ammonia (as N)	17/10/17			0.03	mg/L	SELECT	WEEKLY
SW2		SELECT	Ammonia (as N)	17/10/17			19	mg/L	SELECT	WEEKLY
SW2A		SELECT	Ammonia (as N)	17/10/17			0.1	mg/L	SELECT	WEEKLY
SW2B		SELECT	Ammonia (as N)	17/10/17			***	mg/L	SELECT	WEEKLY
SW3		SELECT	Ammonia (as N)	17/10/17			2.39	mg/L	SELECT	WEEKLY
SW4		SELECT	Ammonia (as N)	17/10/17			<0.02	mg/L	SELECT	WEEKLY
SW5		SELECT	Ammonia (as N)	17/10/17			<0.02	mg/L	SELECT	WEEKLY
SW1		SELECT	Ammonia (as N)	26/10/17			0.03	mg/L	SELECT	WEEKLY
SW2		SELECT	Ammonia (as N)	26/10/17			10.5	mg/L	SELECT	WEEKLY
SW2A		SELECT	Ammonia (as N)	26/10/17			0.17	mg/L	SELECT	WEEKLY

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SW2B		SELECT	Ammonia (as N)	26/10/17			***	mg/L	SELECT	WEEKLY
SW3		SELECT	Ammonia (as N)	26/10/17			1.06	mg/L	SELECT	WEEKLY
SW4		SELECT	Ammonia (as N)	26/10/17			0.03	mg/L	SELECT	WEEKLY
SW5		SELECT	Ammonia (as N)	26/10/17			<0.02	mg/L	SELECT	WEEKLY
SW1		SELECT	Ammonia (as N)	01/11/17			0.03	mg/L	SELECT	WEEKLY
SW2		SELECT	Ammonia (as N)	01/11/17			21.3	mg/L	SELECT	WEEKLY
SW2A		SELECT	Ammonia (as N)	01/11/17			0.27	mg/L	SELECT	WEEKLY
SW2B		SELECT	Ammonia (as N)	01/11/17			***	mg/L	SELECT	WEEKLY
SW3		SELECT	Ammonia (as N)	01/11/17			2.74	mg/L	SELECT	WEEKLY
SW4		SELECT	Ammonia (as N)	01/11/17			<0.02	mg/L	SELECT	WEEKLY
SW5		SELECT	Ammonia (as N)	01/11/17			<0.02	mg/L	SELECT	WEEKLY
SW1		SELECT	Ammonia (as N)	07/11/17			0.03	mg/L	SELECT	WEEKLY
SW2		SELECT	Ammonia (as N)	07/11/17			17.1	mg/L	SELECT	WEEKLY
SW2A		SELECT	Ammonia (as N)	07/11/17			0.22	mg/L	SELECT	WEEKLY
SW2B		SELECT	Ammonia (as N)	07/11/17			***	mg/L	SELECT	WEEKLY
SW3		SELECT	Ammonia (as N)	07/11/17			1.8	mg/L	SELECT	WEEKLY
SW4		SELECT	Ammonia (as N)	07/11/17			0.03	mg/L	SELECT	WEEKLY
SW5		SELECT	Ammonia (as N)	07/11/17			<0.02	mg/L	SELECT	WEEKLY
SW1		SELECT	Ammonia (as N)	15/11/17			0.03	mg/L	SELECT	WEEKLY
SW2		SELECT	Ammonia (as N)	15/11/17			25.3	mg/L	SELECT	WEEKLY
SW2A		SELECT	Ammonia (as N)	15/11/17			0.25	mg/L	SELECT	WEEKLY
SW2B		SELECT	Ammonia (as N)	15/11/17			***	mg/L	SELECT	WEEKLY
SW3		SELECT	Ammonia (as N)	15/11/17			4.61	mg/L	SELECT	WEEKLY
SW4		SELECT	Ammonia (as N)	15/11/17			0.05	mg/L	SELECT	WEEKLY
SW5		SELECT	Ammonia (as N)	15/11/17			<0.02	mg/L	SELECT	WEEKLY
SW1		SELECT	Ammonia (as N)	22/11/17			0.08	mg/L	SELECT	WEEKLY
SW2		SELECT	Ammonia (as N)	22/11/17			18.7	mg/L	SELECT	WEEKLY
SW2A		SELECT	Ammonia (as N)	22/11/17			0.15	mg/L	SELECT	WEEKLY
SW2B		SELECT	Ammonia (as N)	22/11/17			***	mg/L	SELECT	WEEKLY
SW3		SELECT	Ammonia (as N)	22/11/17			2.42	mg/L	SELECT	WEEKLY
SW4		SELECT	Ammonia (as N)	22/11/17			0.08	mg/L	SELECT	WEEKLY
SW5		SELECT	Ammonia (as N)	22/11/17			<0.02	mg/L	SELECT	WEEKLY
SW1		SELECT	Ammonia (as N)	01/12/17			0.02	mg/L	SELECT	WEEKLY
SW2		SELECT	Ammonia (as N)	01/12/17			27.4	mg/L	SELECT	WEEKLY
SW2A		SELECT	Ammonia (as N)	01/12/17			0.16	mg/L	SELECT	WEEKLY
SW2B		SELECT	Ammonia (as N)	01/12/17			***	mg/L	SELECT	WEEKLY
SW3		SELECT	Ammonia (as N)	01/12/17			3.23	mg/L	SELECT	WEEKLY
SW4		SELECT	Ammonia (as N)	01/12/17			0.03	mg/L	SELECT	WEEKLY
SW5		SELECT	Ammonia (as N)	01/12/17			<0.02	mg/L	SELECT	WEEKLY
SW1		SELECT	Ammonia (as N)	06/12/17			0.11	mg/L	SELECT	WEEKLY
SW2		SELECT	Ammonia (as N)	06/12/17			47.2	mg/L	SELECT	WEEKLY
SW2A		SELECT	Ammonia (as N)	06/12/17			0.22	mg/L	SELECT	WEEKLY
SW2B		SELECT	Ammonia (as N)	06/12/17			***	mg/L	SELECT	WEEKLY
SW3		SELECT	Ammonia (as N)	06/12/17			3.4	mg/L	SELECT	WEEKLY
SW4		SELECT	Ammonia (as N)	06/12/17			0.11	mg/L	SELECT	WEEKLY
SW5		SELECT	Ammonia (as N)	06/12/17			<0.02	mg/L	SELECT	WEEKLY
SW1		SELECT	Ammonia (as N)	15/12/17			0.03	mg/L	SELECT	WEEKLY
SW2		SELECT	Ammonia (as N)	15/12/17			20.2	mg/L	SELECT	WEEKLY
SW2A		SELECT	Ammonia (as N)	15/12/17			0.18	mg/L	SELECT	WEEKLY
SW2B		SELECT	Ammonia (as N)	15/12/17			***	mg/L	SELECT	WEEKLY
SW3		SELECT	Ammonia (as N)	15/12/17			1.46	mg/L	SELECT	WEEKLY
SW4		SELECT	Ammonia (as N)	15/12/17			0.03	mg/L	SELECT	WEEKLY
SW5		SELECT	Ammonia (as N)	15/12/17			<0.02	mg/L	SELECT	WEEKLY
SW1		SELECT	Ammonia (as N)	19/12/17			<0.02	mg/L	SELECT	WEEKLY
SW2		SELECT	Ammonia (as N)	19/12/17			20	mg/L	SELECT	WEEKLY
SW2A		SELECT	Ammonia (as N)	19/12/17			0.15	mg/L	SELECT	WEEKLY
SW2B		SELECT	Ammonia (as N)	19/12/17			***	mg/L	SELECT	WEEKLY
SW3		SELECT	Ammonia (as N)	19/12/17			2.21	mg/L	SELECT	WEEKLY
SW4		SELECT	Ammonia (as N)	19/12/17			0.03	mg/L	SELECT	WEEKLY
SW5		SELECT	Ammonia (as N)	19/12/17			<0.02	mg/L	SELECT	WEEKLY
SW1			Ammonia (as N)	Quarterly		N/A	0.07	mg/L	SELECT	Mean for 2016
		Chlorides (as Cl)		Quarterly		N/A	26.8	mg/L	SELECT	Mean for 2017
			COD	Quarterly		N/A	<10	mg/L	SELECT	Mean for 2017
			Conductivity	Quarterly		N/A	264.5	µS/cm @20oC	SELECT	Mean for 2017
			pH	Quarterly		N/A	7.4	units	SELECT	Mean for 2017
			Suspended Solids	Quarterly		N/A	3.5	mg/L	SELECT	Mean for 2017
			Dissolved Oxygen	Quarterly		N/A	9.8	mg/L	SELECT	Mean for 2017
			Temperature	Quarterly		N/A	13.4	^{0}C	SELECT	Mean for 2017
			Alkalinity	Annual		N/A	63.4	mg/L CaCO3	SELECT	Annual
			Nitrate	Annual		N/A	7.5	mg/L NO2	SELECT	Annual
			Nitrite	Annual		N/A	0.01	mg/L NO3	SELECT	Annual
			Sulphate	Annual		N/A	14.4	mg/L SO4	SELECT	Annual

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	Total Oxidised Nitrogen (TON)	Annual		N/A	7.49	mg/L N	SELECT	Annual
Cadmium and compounds (as Cd)		Annual		N/A	<1	µg/L	SELECT	Annual
Chromium and compounds (as Cr)		Annual		N/A	<1	µg/L	SELECT	Annual
Copper and compounds (as Cu)		Annual		N/A	1	µg/L	SELECT	Annual
	Iron	Annual		N/A	0.064	mg/L	SELECT	Annual
Lead and compounds (as Pb)		Annual		N/A	<1	µg/L	SELECT	Annual
	Manganese (as Mn)	Annual		N/A	0.012	mg/L	SELECT	Annual
Mercury and compounds (as Hg)		Annual		N/A	<0.5	µg/L	SELECT	Annual
Zinc and compounds (as Zn)		Annual		N/A	<8	µg/L	SELECT	Annual
	Calcium	Annual		N/A	30.44	mg/L	SELECT	Annual
	Magnesium	Annual		N/A	6.19	mg/L	SELECT	Annual
	Sodium	Annual		N/A	13.26	mg/L	SELECT	Annual
	Potassium	Annual		N/A	3.92	mg/L	SELECT	Annual
SW2	**Ammonia (as N)**	Quarterly		N/A	23.5	mg/L	SELECT	Mean for 2017
	BOD	Quarterly		N/A	1.7	mg/L	SELECT	Mean for 2017
Chlorides (as Cl)		Quarterly		N/A	289.7	mg/L	SELECT	Mean for 2017
	COD	Quarterly		N/A	<10	mg/L	SELECT	Mean for 2017
	Conductivity	Quarterly		N/A	1520.0	µS/cm @20oC	SELECT	Mean for 2017
	pH	Quarterly		N/A	6.9	units	SELECT	Mean for 2017
	Suspended Solids	Quarterly		N/A	31.8	mg/L	SELECT	Mean for 2017
	Dissolved Oxygen	Quarterly		N/A	7.1	mg/L	SELECT	Mean for 2017
	Temperature	Quarterly		N/A	14.1	^{0}C	SELECT	Mean for 2017
	Alkalinity	Annual		N/A	335	mg/L CaCO3	SELECT	Annual
	Nitrate	Annual		N/A	1.33	mg/L NO2	SELECT	Annual
	Nitrite	Annual		N/A	0.05	mg/L NO3	SELECT	Annual
	Sulphate	Annual		N/A	115	mg/L SO4	SELECT	Annual
	Total Oxidised Nitrogen (TON)	Annual		N/A	1.38	mg/L N	SELECT	Annual
Cadmium and compounds (as Cd)		Annual		N/A	<1	µg/L	SELECT	Annual
Chromium and compounds (as Cr)		Annual		N/A	<1	µg/L	SELECT	Annual
Copper and compounds (as Cu)		Annual		N/A	<1	µg/L	SELECT	Annual
	Iron	Annual		N/A	0.811	mg/L	SELECT	Annual
Lead and compounds (as Pb)		Annual		N/A	<1	µg/L	SELECT	Annual
	Manganese (as Mn)	Annual		N/A	2.39	mg/L	SELECT	Annual
Mercury and compounds (as Hg)		Annual		N/A	<0.5	µg/L	SELECT	Annual
Zinc and compounds (as Zn)		Annual		N/A	<8	µg/L	SELECT	Annual
	Calcium	Annual		N/A	71.09	mg/L	SELECT	Annual
	Magnesium	Annual		N/A	59.04	mg/L	SELECT	Annual
	Sodium	Annual		N/A	368.19	mg/L	SELECT	Annual
	Potassium	Annual		N/A	33.44	mg/L	SELECT	Annual
SW2A	**Ammonia (as N)**	Quarterly		N/A	0.3	mg/L	SELECT	Mean for 2017
	BOD	Quarterly		N/A	<1.0	mg/L	SELECT	Mean for 2017
Chlorides (as Cl)		Quarterly		N/A	35.0	mg/L	SELECT	Mean for 2017
	COD	Quarterly		N/A	<10	mg/L	SELECT	Mean for 2017
	Conductivity	Quarterly		N/A	302.0	µS/cm @20oC	SELECT	Mean for 2017
	pH	Quarterly		N/A	7.3	units	SELECT	Mean for 2017
	Suspended Solids	Quarterly		N/A	5.0	mg/L	SELECT	Mean for 2017
	Dissolved Oxygen	Quarterly		N/A	9.7	mg/L	SELECT	Mean for 2017
	Temperature	Quarterly		N/A	14.6	^{0}C	SELECT	Mean for 2017
	Alkalinity	Annual		N/A	68.8	mg/L CaCO3	SELECT	Annual
	Nitrate	Annual		N/A	7.39	mg/L NO2	SELECT	Annual
	Nitrite	Annual		N/A	0.011	mg/L NO3	SELECT	Annual
	Sulphate	Annual		N/A	15.1	mg/L SO4	SELECT	Annual
	Total Oxidised Nitrogen (TON)	Annual		N/A	7.41	mg/L N	SELECT	Annual
Cadmium and compounds (as Cd)		Annual		N/A	<1	µg/L	SELECT	Annual
Chromium and compounds (as Cr)		Annual		N/A	<1	µg/L	SELECT	Annual
Copper and compounds (as Cu)		Annual		N/A	1	µg/L	SELECT	Annual
	Iron	Annual		N/A	0.093	mg/L	SELECT	Annual
Lead and compounds (as Pb)		Annual		N/A	<1	µg/L	SELECT	Annual
	Manganese (as Mn)	Annual		N/A	0.039	mg/L	SELECT	Annual

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	Mercury and compounds (as Hg)		Annual		N/A	<0.5	µg/L	SELECT	Annual
	Zinc and compounds (as Zn)		Annual		N/A	<8	µg/L	SELECT	Annual
		Calcium	Annual		N/A	31.25	mg/L	SELECT	Annual
		Magnesium	Annual		N/A	6.65	mg/L	SELECT	Annual
		Sodium	Annual		N/A	15.47	mg/L	SELECT	Annual
		Potassium	Annual		N/A	4.08	mg/L	SELECT	Annual
SW3		**Ammonia (as N)**	Quarterly		N/A	3.10	mg/L	SELECT	Mean for 2017
		BOD	Quarterly		N/A	<1	mg/L	SELECT	Mean for 2017
	Chlorides (as Cl)		Quarterly		N/A	92	mg/L	SELECT	Mean for 2017
		COD	Quarterly		N/A	<10	mg/L	SELECT	Mean for 2017
		Conductivity	Quarterly		N/A	539	µS/cm @20oC	SELECT	Mean for 2017
		pH	Quarterly		N/A	7.2	units	SELECT	Mean for 2017
		Suspended Solids	Quarterly		N/A	4.5	mg/L	SELECT	Mean for 2017
		Dissolved Oxygen	Quarterly		N/A	9.3	mg/L	SELECT	Mean for 2017
		Temperature	Quarterly		N/A	14	^{0}C	SELECT	Mean for 2017
		Alkalinity	Annual		N/A	83	mg/L CaCO3	SELECT	Annual
		Nitrate	Annual		N/A	7.06	mg/L NO2	SELECT	Annual
		Nitrite	Annual		N/A	0.016	mg/L NO3	SELECT	Annual
		Sulphate	Annual		N/A	23.2	mg/L SO4	SELECT	Annual
		Total Oxidised Nitrogen (TON)	Annual		N/A	7.07	mg/L N	SELECT	Annual
	Cadmium and compounds (as Cd)		Annual		N/A	<1	µg/L	SELECT	Annual
	Chromium and compounds (as Cr)		Annual		N/A	<1	µg/L	SELECT	Annual
	Copper and compounds (as Cu)		Annual		N/A	1	µg/L	SELECT	Annual
		Iron	Annual		N/A	0.392	mg/L	SELECT	Annual
	Lead and compounds (as Pb)		Annual		N/A	<1	µg/L	SELECT	Annual
		Manganese (as Mn)	Annual		N/A	0.138	mg/L	SELECT	Annual
	Mercury and compounds (as Hg)		Annual		N/A	<0.5	µg/L	SELECT	Annual
	Zinc and compounds (as Zn)		Annual		N/A	<8	µg/L	SELECT	Annual
		Calcium	Annual		N/A	32.97	mg/L	SELECT	Annual
		Magnesium	Annual		N/A	10.45	mg/L	SELECT	Annual
		Sodium	Annual		N/A	48.27	mg/L	SELECT	Annual
		Potassium	Annual		N/A	5.99	mg/L	SELECT	Annual
SW4		**Ammonia (as N)**	Quarterly		N/A	0.06	mg/L	SELECT	Mean for 2017
		BOD	Quarterly		N/A	<1	mg/L	SELECT	Mean for 2017
	Chlorides (as Cl)		Quarterly		N/A	27	mg/L	SELECT	Mean for 2017
		COD	Quarterly		N/A	<10	mg/L	SELECT	Mean for 2017
		Conductivity	Quarterly		N/A	266	µS/cm @20oC	SELECT	Mean for 2017
		pH	Quarterly		N/A	7.4	units	SELECT	Mean for 2017
		Suspended Solids	Quarterly		N/A	5.0	mg/L	SELECT	Mean for 2017
		Dissolved Oxygen	Quarterly		N/A	9.9	mg/L	SELECT	Mean for 2017
		Temperature	Quarterly		N/A	14	^{0}C	SELECT	Mean for 2017
		Alkalinity	Annual		N/A	64.9	mg/L CaCO3	SELECT	Annual
		Nitrate	Annual		N/A	7.6	mg/L NO2	SELECT	Annual
		Nitrite	Annual		N/A	0.01	mg/L NO3	SELECT	Annual
		Sulphate	Annual		N/A	14.5	mg/L SO4	SELECT	Annual
		Total Oxidised Nitrogen (TON)	Annual		N/A	7.61	mg/L N	SELECT	Annual
	Cadmium and compounds (as Cd)		Annual		N/A	<1	µg/L	SELECT	Annual
	Chromium and compounds (as Cr)		Annual		N/A	<1	µg/L	SELECT	Annual
	Copper and compounds (as Cu)		Annual		N/A	1	µg/L	SELECT	Annual
		Iron	Annual		N/A	0.08	mg/L	SELECT	Annual
	Lead and compounds (as Pb)		Annual		N/A	<1	µg/L	SELECT	Annual
		Manganese (as Mn)	Annual		N/A	0.014	mg/L	SELECT	Annual
	Mercury and compounds (as Hg)		Annual		N/A	<0.5	µg/L	SELECT	Annual
	Zinc and compounds (as Zn)		Annual		N/A	<8	µg/L	SELECT	Annual
		Calcium	Annual		N/A	29.91	mg/L	SELECT	Annual
		Magnesium	Annual		N/A	6.07	mg/L	SELECT	Annual
		Sodium	Annual		N/A	12.93	mg/L	SELECT	Annual
		Potassium	Annual		N/A	3.9	mg/L	SELECT	Annual
SW5		**Ammonia (as N)**	Quarterly		N/A	0.06	mg/L	SELECT	Mean for 2017
		BOD	Quarterly		N/A	<1	mg/L	SELECT	Mean for 2017

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		Chlorides (as Cl)		Quarterly		N/A	27	mg/L	SELECT	Mean for 2017
			COD	Quarterly		N/A	<10	mg/L	SELECT	Mean for 2017
			Conductivity	Quarterly		N/A	266	µS/cm @20oC	SELECT	Mean for 2017
			pH	Quarterly		N/A	7.4	units	SELECT	Mean for 2017
			Suspended Solids	Quarterly		N/A	5.0	mg/L	SELECT	Mean for 2017
			Dissolved Oxygen	Quarterly		N/A	9.9	mg/L	SELECT	Mean for 2017
			Temperature	Quarterly		N/A	14	^{0}C	SELECT	Mean for 2017
			Alkalinity	Annual		N/A	350	mg/L CaCO3	SELECT	Annual
			Nitrate	Annual		N/A	0.1	mg/L NO2	SELECT	Annual
			Nitrite	Annual		N/A	0.01	mg/L NO3	SELECT	Annual
			Sulphate	Annual		N/A	14.7	mg/L SO4	SELECT	Annual
			Total Oxidised Nitrogen (TON)	Annual		N/A	<0.25	mg/L N	SELECT	Annual
		Cadmium and compounds (as Cd)		Annual		N/A	<1	µg/L	SELECT	Annual
		Chromium and compounds (as Cr)		Annual		N/A	<1	µg/L	SELECT	Annual
		Copper and compounds (as Cu)		Annual		N/A	1	µg/L	SELECT	Annual
			Iron	Annual		N/A	0.006	mg/L	SELECT	Annual
		Lead and compounds (as Pb)		Annual		N/A	<1	µg/L	SELECT	Annual
			Manganese (as Mn)	Annual		N/A	0.084	mg/L	SELECT	Annual
		Mercury and compounds (as Hg)		Annual		N/A	<0.5	µg/L	SELECT	Annual
		Zinc and compounds (as Zn)		Annual		N/A	<8	µg/L	SELECT	Annual
			Calcium	Annual		N/A	<1	mg/L	SELECT	Annual
			Magnesium	Annual		N/A	<0.2	mg/L	SELECT	Annual
			Sodium	Annual		N/A	<1	mg/L	SELECT	Annual
			Potassium	Annual		N/A	<1	mg/L	SELECT	Annual
			Potassium	Annual		N/A	-	mg/l		Annual
			Sulphate	Annual		N/A	-	mg/l		Annual
			Total Oxidised Nitrogen (TON)	Annual		N/A	-	mg/l		Annual
		Zinc and compounds (as Zn)		Annual		N/A	-	ug/l		Annual
		Total phosphorus		Annual		N/A	-	mg/l		Annual
			Sodium	Annual		N/A	-	mg/l		Annual
			Calcium	Annual		N/A	0	mg/l		Annual

Bund/Pipeline testing template

Lic No: W0023-1 Year 2017

Bund testing — dropdown menu click to see options

			Additional information
1	Are you required by your licence to undertake integrity testing on bunds and containment structures ? if yes please fill out table B1 below listing all **new bunds and containment structures** on site, **in addition to all bunds which failed** the integrity test- **all bunding structures which failed including mobile bunds must be listed in the table below**	No	
2	Please provide integrity testing frequency period	SELECT	
3	Does the site maintain a register of bunds, underground pipelines (including stormwater and foul), Tanks, sumps and containers? (containers refers to "Chemstore" type units and mobile bunds)	SELECT	
4	How many bunds are on site?		
5	How many of these bunds have been tested witin the required test schedule?		
6	How many mobile bunds are on site?		
7	Are the mobile bunds included in the bund test schedule?	SELECT	
8	How many of these mobile bunds have been tested witin the required test schedule?		
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?		
	Please list any sump integrity failures in table B1		
11	Do all sumps and chambers have high level liquid alarms?	SELECT	
12	If yes to Q11 are these failsafe systems included in a maintenance and testing programme?		

Table B1: Summary details of bund /containment structure integrity test

Bund/Containment structure ID	Type	Specify Other type	Product containment	Actual capacity	Capacity required*	Type of integrity test	Other test type	Test date	Integrity reports maintained on site?	Results of test	Integrity test failure explanation <50 words	Corrective action taken	Scheduled date for retest	Results of retest(if in current reporting year)
	SELECT					SELECT			SELECT	SELECT		SELECT		
	SELECT					SELECT			SELECT	SELECT		SELECT		

* Capacity required should comply with 25% or 110% containment rule as detailed in your licence

			Commentary
14	Has integrity testing been carried out in accordance with licence requirements and are all structures tested in line with BS8007/EPA Guidance?	bunding and storage guidelines	SELECT
15	Are channels/transfer systems to remote containment systems tested?		SELECT
16	Are channels/transfer systems compliant in both integrity and available volume?		SELECT

Pipeline/underground structure testing

1	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 all underground structures and pipelines on site **which failed the integrity test**	SELECT	
2	Please provide integrity testing frequency period	SELECT	

Table B2: Summary details of pipeline/underground structures integrity test

Structure ID	Type system	Material of construction:	Does this structure have Secondary containment?	Type of secondary containment	Type integrity testing	Integrity reports maintained on site?	Results of test	Integrity test failure explanation <50 words	Corrective action taken	Scheduled date for retest	Results of retest(if in current reporting year)
	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT				SELECT

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

Groundwater/Soil monitoring template						Lic No:	W0023-1		Year	2017		
								Comments				
	1	Are you required to carry out groundwater monitoring as part of your licence requirements?					yes					
	2	Are you required to carry out soil monitoring as part of your licence requirements?					no					
	3	Do you extract groundwater for use on site? If yes please specify use in comment section					no					
	4	Is there contaminated land and /or groundwater on site? If yes please answer q's 5-12					no					
	5	Is the contamination related to operations at the facility (either current and/or historic)					SELECT					
	6	Have actions been taken to address contamination issues?If yes please summarise remediation strategies proposed/undertaken for the site					SELECT					
	7	Please specify the proposed time frame for the remediation strategy					SELECT					
	8	Is there a licence condition to carry out/update ELRA for the site?					SELECT					
	9	Has any type of risk assesment been carried out for the site?					SELECT					
	10	Has a Conceptual Site Model been developed for the site?					SELECT					
	11	Have potential receptors been identified on and off site?					SELECT					
	12	Is there evidence that contamination is migrating offsite?					SELECT					
1: Upgradient Groundwater monitoring results												
	Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration++	Average Concentration+	unit	GTV's*	DWS	Upward trend in pollutant concentration over last 5 years of monitoring data	
	Mean of 2017	GW2	Ammoniacal Nitrogen	meter	quarterly	0.05	0.04	mg/L N	0.02NH3	DWS	no	
	Mean of 2017	GW2	Chloride	meter	quarterly	29	27.6	mg/L	250	DWS	no	
	Mean of 2017	GW2	Conductivity	meter	quarterly	291	280.5	µS/cm @ 200C	1000	DWS	no	
	Mean of 2017	GW2	pH	titration	quarterly	6.9	6.9	pH Unit	9.5	DWS	no	
	Mean of 2017	GW2	Phenols	meter	quarterly	0.08	0.0	µg/L		DWS	no	
	Mean of 2017	GW2	Potassium		quarterly	1.6	1.5	mg/L		DWS	no	
	Mean of 2017	GW2	Sodium		quarterly	17.9	17.2	mg/L		DWS	no	
	Mean of 2017	GW2	Temperature		quarterly	14.8	12.6	0C		DWS	no	
	Mean of 2017	GW2	TON		quarterly	4.65	4.0	mg/L N		DWS	no	
	28/09/17	GW2	Alkalinity		Annual		98.5	mg/L CaCO3		DWS	no	
		GW2	Orthophosphate		Annual		0.03	mg/L P		DWS	no	
		GW2	pH		Annual		6.9	pH Unit		DWS	no	
		GW2	Sulphate		Annual		13	mg/L		DWS	no	
		GW2	TON		Annual		3.36	mg/L N		DWS	no	
		GW2	Total Phosphorus		Annual		0.23	mg/L P		DWS	no	
		GW2	Boron, Dissolved		Annual		<10	µg/L		DWS	no	
		GW2	Cadmium, Dissolved		Annual		<1	µg/L		DWS	no	
		GW2	Chromium, Dissolved		Annual		<1	µg/L		DWS	no	
		GW2	Cobalt, Dissolved		Annual		<1	µg/L		DWS	no	
		GW2	Copper, Dissolved		Annual		<1	µg/L		DWS	no	
		GW2	Iron, Dissolved		Annual		0.006	mg/L		DWS	no	
		GW2	Lead, Dissolved		Annual		<1	µg/L		DWS	no	
		GW2	Manganese, Dissolved		Annual		0.003	mg/L		DWS	no	

Groundwater/Soil monitoring template						Lic No:	W0023-1		Year	2017		
		GW2	Mercury, Dissolved		Annual		<0.5	µg/L		DWS	no	
		GW2	Zinc, Dissolved		Annual		<8	µg/L		DWS	no	
		GW2	Fluoride		Annual		<0.1	mg/L		DWS	no	
		GW2	Calcium		Annual		30.4	mg/L		DWS	no	
		GW2	Magnesium		Annual		8.59	mg/L		DWS	no	
		GW2	Sodium		Annual		17.22	mg/L		DWS	no	
		GW2	Potassium		Annual		1.6	mg/L		DWS	no	
		GW2	Cyanide		Annual		<0.05	mg/L		DWS	no	
		GW2	Silver, Dissolved		Annual		<10	µg/L		DWS	no	
		GW2	Arsenic, Dissolved		Annual		2	µg/L		DWS	no	
		GW2	Barium, Dissolved		Annual		3	µg/L		DWS	no	
		GW2	Beryllium, Dissolved		Annual		2	µg/L		DWS	no	
		GW2	Molybdenum, Dissolved		Annual		<1	µg/L		DWS	no	
		GW2	Antimony, Dissolved		Annual		<1	µg/L		DWS	no	
		GW2	Selenium, Dissolved		Annual		<5	µg/L		DWS	no	
		GW2	Tellurium, Dissolved		Annual		<1	µg/L		DWS	no	
		GW2	Tin, Dissolved		Annual		<10	µg/L		DWS	no	
		GW2	Thallium, Dissolved		Annual		<1	µg/L		DWS	no	
		GW2	Vanadium, Dissolved		Annual		<1	µg/L		DWS	no	
		GW2	Uranium		Annual		<1	mg/L		DWS	no	
		GW2	Residue on Evaporation		Annual		172	mg/L		DWS	no	
		GW2	Naphthalene		Annual		<0.01	µg/L		DWS	no	
		GW2	Acenaphthylene		Annual		<0.01	µg/L		DWS	no	
		GW2	Acenaphthene		Annual		<0.01	µg/L		DWS	no	
		GW2	Flourene		Annual		<0.01	µg/L		DWS	no	
		GW2	Phenanthrene		Annual		<0.01	µg/L		DWS	no	
		GW2	Anthracene		Annual		<0.01	µg/L		DWS	no	
		GW2	Flouroanthene		Annual		<0.01	µg/L		DWS	no	
		GW2	Pyrene		Annual		<0.01	µg/L		DWS	no	
		GW2	Benzo(a)anthracene		Annual		<0.01	µg/L		DWS	no	
		GW2	Chrysene		Annual		<0.01	µg/L		DWS	no	
		GW2	Benzo(b)fluoranthene		Annual		<0.01	µg/L		DWS	no	
		GW2	Benzo(k)flouranthene		Annual		<0.01	µg/L		DWS	no	
		GW2	Benzo(a)pyrene		Annual		<0.01	µg/L		DWS	no	
		GW2	Indeno(1,2,3-cd)pyrene		Annual		<0.01	µg/L		DWS	no	
		GW2	Dibenzo(ah)anthracene		Annual		<0.01	µg/L		DWS	no	
		GW2	Benzo(ghi)perylene		Annual		<0.01	µg/L		DWS	no	
		GW2	PAH (Total)		Annual		<0.01	µg/L		DWS	no	
		GW2	Dichlorodifluoromethane		Annual		<1	µg/L		DWS	no	
		GW2	Chloromethane		Annual		<1	µg/L		DWS	no	
		GW2	Vinyl chloride		Annual		<1	µg/L		DWS	no	
		GW2	Bromomethane		Annual		<1	µg/L		DWS	no	
		GW2	Chloroethane		Annual		<1	µg/L		DWS	no	
		GW2	Trichlorofluoromethane		Annual		<1	µg/L		DWS	no	
		GW2	1,1-Dichloroethylene		Annual		<1	µg/L		DWS	no	
		GW2	Dichloromethane		Annual		<50	µg/L		DWS	no	
		GW2	Trans-1,2-Dichloroethene		Annual		<1	µg/L		DWS	no	
		GW2	1,1-Dichloroethane		Annual		<1	µg/L		DWS	no	
		GW2	Cis-1,2-Dichloroethylene		Annual		<1	µg/L		DWS	no	
		GW2	2,2-Dichloropropane		Annual		<1	µg/L		DWS	no	
		GW2	Chloroform		Annual		<1	µg/L		DWS	no	
		GW2	Bromochloromethane		Annual		<1	µg/L		DWS	no	
		GW2	1,1,1-Trichloroethane		Annual		<1	µg/L		DWS	no	
		GW2	1,1-Dichloropropene		Annual		<1	µg/L		DWS	no	
		GW2	Carbon tetrachloride		Annual		<1	µg/L		DWS	no	
		GW2	1,2-Dichloroethane		Annual		<1	µg/L		DWS	no	
		GW2	Benzene		Annual		<1	µg/L		DWS	no	
		GW2	1,2-Dichloropropane		Annual		<1	µg/L		DWS	no	
		GW2	1,1,2-Trichloroethylene		Annual		<1	µg/L		DWS	no	
		GW2	Bromodichloromethane		Annual		<1	µg/L		DWS	no	
		GW2	Dibromomethane		Annual		<1	µg/L		DWS	no	

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		GW2	Cis-1,3-Dichloropropene		Annual		<1	µg/L		DWS	no	
		GW2	Toluene		Annual		<1	µg/L		DWS	no	
		GW2	Trans-1,3-Dichloropropene		Annual		<1	µg/L		DWS	no	
		GW2	1,1,2-Trichloroethane		Annual		<1	µg/L		DWS	no	
		GW2	1,3-Dichloropropane		Annual		<1	µg/L		DWS	no	
		GW2	Tetrachloroethene		Annual		<1	µg/L		DWS	no	
		GW2	Chlorodibromomethane		Annual		<1	µg/L		DWS	no	
		GW2	1,2-dibromoethane		Annual		<1	µg/L		DWS	no	
		GW2	Chlorobenzene		Annual		<1	µg/L		DWS	no	
		GW2	1,1,1,2-Tetrachloroethane		Annual		<1	µg/L		DWS	no	
		GW2	EthylBenzene		Annual		<1	µg/L		DWS	no	
		GW2	M/P Xylene		Annual		<1	µg/L		DWS	no	
		GW2	O Xylene		Annual		<1	µg/L		DWS	no	
		GW2	Styrene		Annual		<1	µg/L		DWS	no	
		GW2	Bromoform		Annual		<1	µg/L		DWS	no	
		GW2	Isopropyl benzene		Annual		<1	µg/L		DWS	no	
		GW2	1,1,2,2-Tetrachloroethane		Annual		<1	µg/L		DWS	no	
		GW2	1,2,3-Trichloropropane		Annual		<1	µg/L		DWS	no	
		GW2	n-Propylbenzene		Annual		<1	µg/L		DWS	no	
		GW2	Bromobenzene		Annual		<1	µg/L		DWS	no	
		GW2	1,3,5-Trimethylbenzene		Annual		<1	µg/L		DWS	no	
		GW2	T-Butylbenzene		Annual		<1	µg/L		DWS	no	
		GW2	1,2,4-Trimethylbenzene		Annual		<1	µg/L		DWS	no	
		GW2	S-Butylbenzene		Annual		<1	µg/L		DWS	no	
		GW2	p-Isopropyltoluene		Annual		<1	µg/L		DWS	no	
		GW2	2-Chlorotoluene		Annual		<1	µg/L		DWS	no	
		GW2	4-Chlorotoluene		Annual		<1	µg/L		DWS	no	
		GW2	1,3-Dichlorobenzene		Annual		<1	µg/L		DWS	no	
		GW2	1,4-Dichlorobenzene		Annual		<1	µg/L		DWS	no	
		GW2	1,2-Dichlorobenzene		Annual		<1	µg/L		DWS	no	
		GW2	Phenol		Annual		<1	µg/L		DWS	no	
		GW2	Bis (2-chloroethyl) ether		Annual		<1	µg/L		DWS	no	
		GW2	2-Chlorophenol		Annual		<1	µg/L		DWS	no	
		GW2	1,3-Dichlorobenzene		Annual		<1	µg/L		DWS	no	
		GW2	1,4-Dichlorobenzene		Annual		<1	µg/L		DWS	no	
		GW2	1,2-Dichlorobenzene		Annual		<1	µg/L		DWS	no	
		GW2	Bis (2-chloroisopropyl) ether		Annual		<1	µg/L		DWS	no	
		GW2	2-methyl phenol		Annual		<1	µg/L		DWS	no	
		GW2	3/4-Methylphenol		Annual		<1	µg/L		DWS	no	
		GW2	Hexachloroethane		Annual		<1	µg/L		DWS	no	
		GW2	Nitrobenzene		Annual		<1	µg/L		DWS	no	
		GW2	Isophorone		Annual		<1	µg/L		DWS	no	
		GW2	2-Nitrophenol		Annual		<1	µg/L		DWS	no	
		GW2	2,4-Dimethylphenol		Annual		<1	µg/L		DWS	no	
		GW2	Bis (2-chloroethoxy) methane		Annual		<1	µg/L		DWS	no	
		GW2	2,4-Dichlorophenol		Annual		<1	µg/L		DWS	no	
		GW2	1,2,4-Trichlorobenzene		Annual		<1	µg/L		DWS	no	
		GW2	4-Chloroaniline		Annual		<1	µg/L		DWS	no	
		GW2	Hexachlorobutadiene		Annual		<1	µg/L		DWS	no	
		GW2	4-Chloro-3-methylphenol		Annual		<1	µg/L		DWS	no	
		GW2	2-Methylnaphthalene		Annual		<1	µg/L		DWS	no	
		GW2	Hexachlorocyclopentadiene		Annual		<2	µg/L		DWS	no	
		GW2	2,4,6-Trichlorophenol		Annual		<1	µg/L		DWS	no	
		GW2	2,4,5-Trichlorophenol		Annual		<1	µg/L		DWS	no	
		GW2	2-Chloronaphthalene		Annual		<1	µg/L		DWS	no	
		GW2	2-Nitroaniline		Annual		<1	µg/L		DWS	no	
		GW2	Dimethyl phthalate		Annual		<1	µg/L		DWS	no	
		GW2	2,6-Dinitrotoluene		Annual		<1	µg/L		DWS	no	
		GW2	3-Nitroaniline		Annual		<1	µg/L		DWS	no	

Groundwater/Soil monitoring template						Lic No:	W0023-1		Year	2017		
		GW2	Dibenzofuran		Annual		<1	µg/L		DWS	no	
		GW2	2,4-Dinitrotoluene		Annual		<1	µg/L		DWS	no	
		GW2	Diethyl phthalate		Annual		<1	µg/L		DWS	no	
		GW2	4-Chlorophenyl phenylether		Annual		<1	µg/L		DWS	no	
		GW2	4-Nitroaniline		Annual		<1	µg/L		DWS	no	
		GW2	Azobenzene		Annual		<1	µg/L		DWS	no	
		GW2	4-Bromophenyl phenylether		Annual		<1	µg/L		DWS	no	
		GW2	Hexachlorobenzene		Annual		<1	µg/L		DWS	no	
		GW2	Pentachlorophenol		Annual		<1	µg/L		DWS	no	
		GW2	Carbazole		Annual		<1	µg/L		DWS	no	
		GW2	Di-n-butylphthalate		Annual		<1	µg/L		DWS	no	
		GW2	Butyl benzylphthalate		Annual		<1	µg/L		DWS	no	
		GW2	Bis (2-ethylhexyl)phthalate		Annual		<1	µg/L		DWS	no	
		GW2	Di-n-octylphthalate		Annual		<1	µg/L		DWS	no	
		GW2	Hexachlorocyclohexane		Annual		<0.01	µg/L		DWS	no	
		GW2	Hexachlorobenzene		Annual		<0.01	µg/L		DWS	no	
		GW2	Heptachlor		Annual		<0.01	µg/L		DWS	no	
		GW2	Aldrin		Annual		<0.01	µg/L		DWS	no	
		GW2	Heptachlor epoxide		Annual		<0.01	µg/L		DWS	no	
		GW2	Chlordane		Annual		<0.01	µg/L		DWS	no	
		GW2	Endosulphan		Annual		<0.01	µg/L		DWS	no	
		GW2	DDE		Annual		<0.01	µg/L		DWS	no	
		GW2	Dieldrin		Annual		<0.01	µg/L		DWS	no	
		GW2	Endrin		Annual		<0.01	µg/L		DWS	no	
		GW2	DDD		Annual		<0.01	µg/L		DWS	no	
		GW2	DDT		Annual		<0.01	µg/L		DWS	no	
		GW2	Dichlorvos		Annual		<0.01	µg/L		DWS	no	
		GW2	Mevinphos		Annual		<0.01	µg/L		DWS	no	
		GW2	Dimethoate		Annual		<0.01	µg/L		DWS	no	
		GW2	Diazinon		Annual		<0.01	µg/L		DWS	no	
		GW2	Pirimiphos methyl		Annual		<0.01	µg/L		DWS	no	
		GW2	Malathion		Annual		<0.01	µg/L		DWS	no	
		GW2	Fenitrothion		Annual		<0.01	µg/L		DWS	no	
		GW2	Parathion		Annual		<0.01	µg/L		DWS	no	
		GW2	Azinphos methyl		Annual		<0.01	µg/L		DWS	no	
		GW2	Phenoxy Acetic Acid Herbicides		Annual		<0.01	µg/L		DWS	no	
		GW2	Mecoprop		Annual		<0.01	µg/L		DWS	no	
		GW2	Phenoxy Acetic acid herbicide: MCPA		Annual		<0.01	µg/L		DWS	no	
		GW2	Dichlorprop		Annual		<0.01	µg/L		DWS	no	
		GW2	Phenoxy Acetic acid herbicide: 2,4-D		Annual		<0.01	µg/L		DWS	no	
		GW2	Fenoprop		Annual		<0.01	µg/L		DWS	no	
		GW2	Phenoxy Acetic acid herbicide: 2,4,5-T		Annual		<0.01	µg/L		DWS	no	
		GW2	Triazines		Annual		<0.01	µg/L		DWS	no	
		GW2	Simazine		Annual		<0.01	µg/L		DWS	no	
		GW2	Atrazine		Annual		<0.01	µg/L		DWS	no	
		GW2	Propazine		Annual		<0.01	µg/L		DWS	no	
		GW2	Trietazine		Annual		<0.01	µg/L		DWS	no	
		GW2	Prometryn		Annual		<0.01	µg/L		DWS	no	
		GW2	Terbutryn		Annual		<0.01	µg/L		DWS	no	
	Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration++	Average Concentration+	unit	GTV's*	DWS	Upward trend in pollutant concentration over last 5 years of monitoring data	

Groundwater/Soil monitoring template						Lic No:	W0023-1		Year	2017		
	Mean of 2017	GW5	Ammoniacal Nitrogen	meter	quarterly	7.04	5.28	mg/L N	0.02NH3	DWS	no	
	Mean of 2017	GW5	Chloride	meter	quarterly	33.8	33.3	mg/L	250	DWS	no	
	Mean of 2017	GW5	Conductivity	meter	quarterly	551	495.3	µS/cm @ 200C	1000	DWS	no	
	Mean of 2017	GW5	pH	titration	quarterly	6.6	6.6	pH Unit	9.5	DWS	no	
	Mean of 2017	GW5	Phenols	meter	quarterly	0.09	0.1	µg/L		DWS	no	
	Mean of 2017	GW5	Potassium		quarterly	10.5	9.0	mg/L		DWS	no	
	Mean of 2017	GW5	Sodium		quarterly	26.9	25.5	mg/L		DWS	no	
	Mean of 2017	GW5	Temperature		quarterly	14.2	13.0	0C		DWS	no	
	Mean of 2017	GW5	TON		quarterly	3.61	1.68	mg/L N		DWS	no	
	28/09/17	GW5	Alkalinity		Annual		212	mg/L CaCO3		DWS	no	
		GW5	Orthophosphate		Annual		0.01	mg/L P		DWS	no	
		GW5	pH		Annual		6.5	pH Unit		DWS	no	
		GW5	Sulphate		Annual		17.3	mg/L		DWS	no	
		GW5	TON		Annual		1.2	mg/L N		DWS	no	
		GW5	Total Phosphorus		Annual		0.16	mg/L P		DWS	no	
		GW5	Boron, Dissolved		Annual		60	µg/L		DWS	no	
		GW5	Cadmium, Dissolved		Annual		<1	µg/L		DWS	no	
		GW5	Chromium, Dissolved		Annual		<1	µg/L		DWS	no	
		GW5	Cobalt, Dissolved		Annual		49	µg/L		DWS	no	
		GW5	Copper, Dissolved		Annual		<1	µg/L		DWS	no	
		GW5	Iron, Dissolved		Annual		6.68	mg/L		DWS	no	
		GW5	Lead, Dissolved		Annual		<1	µg/L		DWS	no	
		GW5	Manganese, Dissolved		Annual		5.36	mg/L		DWS	no	
		GW5	Mercury, Dissolved		Annual		<0.5	µg/L		DWS	no	
		GW5	Zinc, Dissolved		Annual		227	µg/L		DWS	no	
		GW5	Fluoride		Annual		0.14	mg/L		DWS	no	
		GW5	Calcium		Annual		35.9	mg/L		DWS	no	
		GW5	Magnesium		Annual		18.13	mg/L		DWS	no	
		GW5	Sodium		Annual		24.13	mg/L		DWS	no	
		GW5	Potassium		Annual		8.88	mg/L		DWS	no	
		GW5	Cyanide		Annual		<0.05	mg/L		DWS	no	
		GW5	Silver, Dissolved		Annual		<10	µg/L		DWS	no	
		GW5	Arsenic, Dissolved		Annual		182	µg/L		DWS	no	
		GW5	Barium, Dissolved		Annual		34	µg/L		DWS	no	
		GW5	Beryllium, Dissolved		Annual		2	µg/L		DWS	no	
		GW5	Molybdenum, Dissolved		Annual		2	µg/L		DWS	no	
		GW5	Antimony, Dissolved		Annual		<1	µg/L		DWS	no	
		GW5	Selenium, Dissolved		Annual		<5	µg/L		DWS	no	
		GW5	Tellurium, Dissolved		Annual		<1	µg/L		DWS	no	
		GW5	Tin, Dissolved		Annual		<10	µg/L		DWS	no	
		GW5	Thallium, Dissolved		Annual		<1	µg/L		DWS	no	
		GW5	Vanadium, Dissolved		Annual		<1	µg/L		DWS	no	
		GW5	Uranium		Annual		<1	mg/L		DWS	no	
		GW5	Residue on Evaporation		Annual		288	mg/L		DWS	no	
		GW5	Naphthalene		Annual		<0.01	µg/L		DWS	no	
		GW5	Acenaphthylene		Annual		<0.01	µg/L		DWS	no	
		GW5	Acenaphthene		Annual		0.01	µg/L		DWS	no	
		GW5	Flourene		Annual		0.01	µg/L		DWS	no	
		GW5	Phenanthrene		Annual		<0.01	µg/L		DWS	no	
		GW5	Anthracene		Annual		<0.01	µg/L		DWS	no	
		GW5	Flouroanthene		Annual		<0.01	µg/L		DWS	no	
		GW5	Pyrene		Annual		<0.01	µg/L		DWS	no	

Groundwater/Soil monitoring template						Lic No:	W0023-1		Year	2017		
		GW5	Benzo(a)anthracene		Annual		<0.01	µg/L		DWS	no	
		GW5	Chrysene		Annual		<0.01	µg/L		DWS	no	
		GW5	Benzo(b)fluoranthene		Annual		<0.01	µg/L		DWS	no	
		GW5	Benzo(k)flouranthene		Annual		<0.01	µg/L		DWS	no	
		GW5	Benzo(a)pyrene		Annual		<0.01	µg/L		DWS	no	
		GW5	Indeno(1,2,3-cd)pyrene		Annual		<0.01	µg/L		DWS	no	
		GW5	Dibenzo(ah)anthracene		Annual		<0.01	µg/L		DWS	no	
		GW5	Benzo(ghi)perylene		Annual		<0.01	µg/L		DWS	no	
		GW5	PAH (Total)		Annual		0.02	µg/L		DWS	no	
		GW5	Dichlorodifluoromethane		Annual		<1	µg/L		DWS	no	
		GW5	Chloromethane		Annual		<1	µg/L		DWS	no	
		GW5	Vinyl chloride		Annual		<1	µg/L		DWS	no	
		GW5	Bromomethane		Annual		<1	µg/L		DWS	no	
		GW5	Chloroethane		Annual		<1	µg/L		DWS	no	
		GW5	Trichlorofluoromethane		Annual		<1	µg/L		DWS	no	
		GW5	1,1-Dichloroethylene		Annual		<1	µg/L		DWS	no	
		GW5	Dichloromethane		Annual		<50	µg/L		DWS	no	
		GW5	Trans-1,2-Dichloroethene		Annual		<1	µg/L		DWS	no	
		GW5	1,1-Dichloroethane		Annual		<1	µg/L		DWS	no	
		GW5	Cis-1,2-Dichloroethylene		Annual		<1	µg/L		DWS	no	
		GW5	2,2-Dichloropropane		Annual		<1	µg/L		DWS	no	
		GW5	Chloroform		Annual		<1	µg/L		DWS	no	
		GW5	Bromochloromethane		Annual		<1	µg/L		DWS	no	
		GW5	1,1,1-Trichloroethane		Annual		<1	µg/L		DWS	no	
		GW5	1,1-Dichloropropene		Annual		<1	µg/L		DWS	no	
		GW5	Carbon tetrachloride		Annual		<1	µg/L		DWS	no	
		GW5	1,2-Dichloroethane		Annual		<1	µg/L		DWS	no	
		GW5	Benzene		Annual		<1	µg/L		DWS	no	
		GW5	1,2-Dichloropropane		Annual		<1	µg/L		DWS	no	
		GW5	1,1,2-Trichloroethylene		Annual		<1	µg/L		DWS	no	
		GW5	Bromodichloromethane		Annual		<1	µg/L		DWS	no	
		GW5	Dibromomethane		Annual		<1	µg/L		DWS	no	
		GW5	Cis-1,3-Dichloropropene		Annual		<1	µg/L		DWS	no	
		GW5	Toluene		Annual		<1	µg/L		DWS	no	
		GW5	Trans-1,3-Dichloropropene		Annual		<1	µg/L		DWS	no	
		GW5	1,1,2-Trichloroethane		Annual		<1	µg/L		DWS	no	
		GW5	1,3-Dichloropropane		Annual		<1	µg/L		DWS	no	
		GW5	Tetrachloroethene		Annual		<1	µg/L		DWS	no	
		GW5	Chlorodibromomethane		Annual		<1	µg/L		DWS	no	
		GW5	1,2-dibromoethane		Annual		<1	µg/L		DWS	no	
		GW5	Chlorobenzene		Annual		<1	µg/L		DWS	no	
		GW5	1,1,1,2-Tetrachloroethane		Annual		<1	µg/L		DWS	no	
		GW5	EthylBenzene		Annual		<1	µg/L		DWS	no	
		GW5	M/P Xylene		Annual		<1	µg/L		DWS	no	
		GW5	O Xylene		Annual		<1	µg/L		DWS	no	
		GW5	Styrene		Annual		<1	µg/L		DWS	no	
		GW5	Bromoform		Annual		<1	µg/L		DWS	no	
		GW5	Isopropyl benzene		Annual		<1	µg/L		DWS	no	
		GW5	1,1,2,2-Tetrachloroethane		Annual		<1	µg/L		DWS	no	
		GW5	1,2,3-Trichloropropane		Annual		<1	µg/L		DWS	no	
		GW5	n-Propylbenzene		Annual		<1	µg/L		DWS	no	
		GW5	Bromobenzene		Annual		<1	µg/L		DWS	no	
		GW5	1,3,5-Trimethylbenzene		Annual		<1	µg/L		DWS	no	
		GW5	T-Butylbenzene		Annual		<1	µg/L		DWS	no	
		GW5	1,2,4-Trimethylbenzene		Annual		<1	µg/L		DWS	no	
		GW5	S-Butylbenzene		Annual		<1	µg/L		DWS	no	
		GW5	p-Isopropyltoluene		Annual		<1	µg/L		DWS	no	
		GW5	2-Chlorotoluene		Annual		<1	µg/L		DWS	no	
		GW5	4-Chlorotoluene		Annual		<1	µg/L		DWS	no	
		GW5	1,3-Dichlorobenzene		Annual		<1	µg/L		DWS	no	
		GW5	1,4-Dichlorobenzene		Annual		<1	µg/L		DWS	no	

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		GW5	1,2-Dichlorobenzene		Annual		<1	µg/L		DWS	no	
		GW5	Phenol		Annual		<1	µg/L		DWS	no	
		GW5	Bis (2-chloroethyl) ether		Annual		<1	µg/L		DWS	no	
		GW5	2-Chlorophenol		Annual		<1	µg/L		DWS	no	
		GW5	1,3-Dichlorobenzene		Annual		<1	µg/L		DWS	no	
		GW5	1,4-Dichlorobenzene		Annual		<1	µg/L		DWS	no	
		GW5	1,2-Dichlorobenzene		Annual		<1	µg/L		DWS	no	
		GW5	Bis (2-chloroisopropyl) ether		Annual		<1	µg/L		DWS	no	
		GW5	2-methyl phenol		Annual		<1	µg/L		DWS	no	
		GW5	3/4-Methylphenol		Annual		<1	µg/L		DWS	no	
		GW5	Hexachloroethane		Annual		<1	µg/L		DWS	no	
		GW5	Nitrobenzene		Annual		<1	µg/L		DWS	no	
		GW5	Isophorone		Annual		<1	µg/L		DWS	no	
		GW5	2-Nitrophenol		Annual		<1	µg/L		DWS	no	
		GW5	2,4-Dimethylphenol		Annual		<1	µg/L		DWS	no	
		GW5	Bis (2-chloroethoxy) methane		Annual		<1	µg/L		DWS	no	
		GW5	2,4-Dichlorophenol		Annual		<1	µg/L		DWS	no	
		GW5	1,2,4-Trichlorobenzene		Annual		<1	µg/L		DWS	no	
		GW5	4-Chloroaniline		Annual		<1	µg/L		DWS	no	
		GW5	Hexachlorobutadiene		Annual		<1	µg/L		DWS	no	
		GW5	4-Chloro-3-methylphenol		Annual		<1	µg/L		DWS	no	
		GW5	2-Methylnaphthalene		Annual		<1	µg/L		DWS	no	
		GW5	Hexachlorocyclopentadiene		Annual		<2	µg/L		DWS	no	
		GW5	2,4,6-Trichlorophenol		Annual		<1	µg/L		DWS	no	
		GW5	2,4,5-Trichlorophenol		Annual		<1	µg/L		DWS	no	
		GW5	2-Chloronaphthalene		Annual		<1	µg/L		DWS	no	
		GW5	2-Nitroaniline		Annual		<1	µg/L		DWS	no	
		GW5	Dimethyl phthalate		Annual		<1	µg/L		DWS	no	
		GW5	2,6-Dinitrotoluene		Annual		<1	µg/L		DWS	no	
		GW5	3-Nitroaniline		Annual		<1	µg/L		DWS	no	
		GW5	Dibenzofuran		Annual		<1	µg/L		DWS	no	
		GW5	2,4-Dinitrotoluene		Annual		<1	µg/L		DWS	no	
		GW5	Diethyl phthalate		Annual		<1	µg/L		DWS	no	
		GW5	4-Chlorophenyl phenylether		Annual		<1	µg/L		DWS	no	
		GW5	4-Nitroaniline		Annual		<1	µg/L		DWS	no	
		GW5	Azobenzene		Annual		<1	µg/L		DWS	no	
		GW5	4-Bromophenyl phenylether		Annual		<1	µg/L		DWS	no	
		GW5	Hexachlorobenzene		Annual		<1	µg/L		DWS	no	
		GW5	Pentachlorophenol		Annual		<1	µg/L		DWS	no	
		GW5	Carbazole		Annual		<1	µg/L		DWS	no	
		GW5	Di-n-butylphthalate		Annual		<1	µg/L		DWS	no	
		GW5	Butyl benzylphthalate		Annual		<1	µg/L		DWS	no	
		GW5	Bis (2-ethylhexyl)phthalate		Annual		<1	µg/L		DWS	no	
		GW5	Di-n-octylphthalate		Annual		<1	µg/L		DWS	no	
		GW5	Hexachlorocyclohexane		Annual		<0.01	µg/L		DWS	no	
		GW5	Hexachlorobenzene		Annual		<0.01	µg/L		DWS	no	
		GW5	Heptachlor		Annual		<0.01	µg/L		DWS	no	
		GW5	Aldrin		Annual		<0.03	µg/L		DWS	no	
		GW5	Heptachlor epoxide		Annual		<0.01	µg/L		DWS	no	
		GW5	Chlordane		Annual		<0.01	µg/L		DWS	no	
		GW5	Endosulphan		Annual		<0.01	µg/L		DWS	no	
		GW5	DDE		Annual		<0.01	µg/L		DWS	no	
		GW5	Dieldrin		Annual		<0.01	µg/L		DWS	no	
		GW5	Endrin		Annual		<0.01	µg/L		DWS	no	
		GW5	DDD		Annual		<0.01	µg/L		DWS	no	
		GW5	DDT		Annual		<0.01	µg/L		DWS	no	
		GW5	Dichlorvos		Annual		<0.01	µg/L		DWS	no	

Groundwater/Soil monitoring template						Lic No:	W0023-1		Year	2017		
		GW5	Mevinphos		Annual		<0.01	µg/L		DWS	no	
		GW5	Dimethoate		Annual		<0.01	µg/L		DWS	no	
		GW5	Diazinon		Annual		<0.03	µg/L		DWS	no	
		GW5	Pirimiphos methyl		Annual		<0.01	µg/L		DWS	no	
		GW5	Malathion		Annual		<0.01	µg/L		DWS	no	
		GW5	Fenitrothion		Annual		<0.01	µg/L		DWS	no	
		GW5	Parathion		Annual		<0.01	µg/L		DWS	no	
		GW5	Azinphos methyl		Annual		<0.01	µg/L		DWS	no	
		GW5	Mecoprop		Annual		<0.01	µg/L		DWS	no	
		GW5	Phenoxy Acetic acid herbicide: MCPA		Annual		<0.01	µg/L		DWS	no	
		GW5	Dichlorprop		Annual		<0.01	µg/L		DWS	no	
		GW5	Phenoxy Acetic acid herbicide: 2,4-D		Annual		<0.03	µg/L		DWS	no	
		GW5	Fenoprop		Annual		<0.01	µg/L		DWS	no	
		GW5	Phenoxy Acetic acid herbicide: 2,4,5-T		Annual		<0.01	µg/L		DWS	no	
		GW5	Triazines		Annual		<0.01	µg/L		DWS	no	
		GW5	Simazine		Annual		<0.01	µg/L		DWS	no	
		GW5	Atrazine		Annual		<0.01	µg/L		DWS	no	
		GW5	Propazine		Annual		<0.01	µg/L		DWS	no	
		GW5	Trietazine		Annual		<0.01	µg/L		DWS	no	
		GW5	Prometryn		Annual		<0.01	µg/L		DWS	no	
		GW5	Terbutryn		Annual		<0.01	µg/L		DWS	no	
	Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration++	Average Concentration+	unit	GTV's*	DWS	Upward trend in pollutant concentration over last 5 years of monitoring data	
	Mean of 2017	GW8	Ammoniacal Nitrogen	meter	quarterly	7.04	5.28	mg/L N	0.02NH3	DWS	no	
	Mean of 2017	GW8	Chloride	meter	quarterly	33.8	33.3	mg/L	250	DWS	no	
	Mean of 2017	GW8	Conductivity	meter	quarterly	551	495.3	µS/cm @ 200C	1000	DWS	no	
	Mean of 2017	GW8	pH	titration	quarterly	6.6	6.6	pH Unit	9.5	DWS	no	
	Mean of 2017	GW8	Phenols	meter	quarterly	0.09	0.1	µg/L		DWS	no	
	Mean of 2017	GW8	Potassium		quarterly	10.5	9.0	mg/L		DWS	no	
	Mean of 2017	GW8	Sodium		quarterly	26.9	25.5	mg/L		DWS	no	
	Mean of 2017	GW8	Temperature		quarterly	14.2	13.0	0C		DWS	no	
	Mean of 2017	GW8	TON		quarterly	3.61	1.68	mg/L N		DWS	no	
	28/09/17	GW8	Alkalinity		Annual		133	mg/L CaCO3		DWS	no	
		GW8	Orthophosphate		Annual		0.02	mg/L P		DWS	no	
		GW8	pH		Annual		6.2	pH Unit		DWS	no	
		GW8	Sulphate		Annual		15.3	mg/L		DWS	no	
		GW8	TON		Annual		10	mg/L N		DWS	no	
		GW8	Total Phosphorus		Annual		<0.04	mg/L P		DWS	no	
		GW8	Boron, Dissolved		Annual		70	µg/L		DWS	no	
		GW8	Cadmium, Dissolved		Annual		<1	µg/L		DWS	no	
		GW8	Chromium, Dissolved		Annual		<1	µg/L		DWS	no	
		GW8	Cobalt, Dissolved		Annual		<1	µg/L		DWS	no	
		GW8	Copper, Dissolved		Annual		<1	µg/L		DWS	no	
		GW8	Iron, Dissolved		Annual		0.055	mg/L		DWS	no	
		GW8	Lead, Dissolved		Annual		<1	µg/L		DWS	no	

Groundwater/Soil monitoring template						Lic No:	W0023-1		Year	2017		
		GW8	Manganese, Dissolved		Annual		0.18	mg/L		DWS	no	
		GW8	Mercury, Dissolved		Annual		<0.5	µg/L		DWS	no	
		GW8	Zinc, Dissolved		Annual		12	µg/L		DWS	no	
		GW8	Fluoride		Annual		<0.1	mg/L		DWS	no	
		GW8	Calcium		Annual		35.18	mg/L		DWS	no	
		GW8	Magnesium		Annual		13.2	mg/L		DWS	no	
		GW8	Sodium		Annual		33.5	mg/L		DWS	no	
		GW8	Potassium		Annual		6.85	mg/L		DWS	no	
		GW8	Cyanide		Annual		<0.05	mg/L		DWS	no	
		GW8	Silver, Dissolved		Annual		<10	µg/L		DWS	no	
		GW8	Arsenic, Dissolved		Annual		1	µg/L		DWS	no	
		GW8	Barium, Dissolved		Annual		2	µg/L		DWS	no	
		GW8	Beryllium, Dissolved		Annual		<1	µg/L		DWS	no	
		GW8	Molybdenum, Dissolved		Annual		<1	µg/L		DWS	no	
		GW8	Antimony, Dissolved		Annual		<1	µg/L		DWS	no	
		GW8	Selenium, Dissolved		Annual		<5	µg/L		DWS	no	
		GW8	Tellurium, Dissolved		Annual		<1	µg/L		DWS	no	
		GW8	Tin, Dissolved		Annual		<10	µg/L		DWS	no	
		GW8	Thallium, Dissolved		Annual		<1	µg/L		DWS	no	
		GW8	Vanadium, Dissolved		Annual		<1	µg/L		DWS	no	
		GW8	Uranium		Annual		<1	mg/L		DWS	no	
		GW8	Residue on Evaporation		Annual		276	mg/L		DWS	no	
		GW8	Naphthalene		Annual		<0.01	µg/L		DWS	no	
		GW8	Acenaphthylene		Annual		<0.01	µg/L		DWS	no	
		GW8	Acenaphthene		Annual		0.01	µg/L		DWS	no	
		GW8	Flourene		Annual		0.01	µg/L		DWS	no	
		GW8	Phenanthrene		Annual		0.01	µg/L		DWS	no	
		GW8	Anthracene		Annual		<0.01	µg/L		DWS	no	
		GW8	Flouroanthene		Annual		<0.01	µg/L		DWS	no	
		GW8	Pyrene		Annual		<0.01	µg/L		DWS	no	
		GW8	Benzo(a)anthracene		Annual		<0.01	µg/L		DWS	no	
		GW8	Chrysene		Annual		<0.01	µg/L		DWS	no	
		GW8	Benzo(b)fluoranthene		Annual		<0.01	µg/L		DWS	no	
		GW8	Benzo(k)flouranthene		Annual		<0.01	µg/L		DWS	no	
		GW8	Benzo(a)pyrene		Annual		<0.01	µg/L		DWS	no	
		GW8	Indeno(1,2,3-cd)pyrene		Annual		<0.01	µg/L		DWS	no	
		GW8	Dibenzo(ah)anthracene		Annual		<0.01	µg/L		DWS	no	
		GW8	Benzo(ghi)perylene		Annual		<0.01	µg/L		DWS	no	
		GW8	PAH (Total)		Annual		0.03	µg/L		DWS	no	
		GW8	Dichlorodifluoromethane		Annual		<1	µg/L		DWS	no	
		GW8	Chloromethane		Annual		<1	µg/L		DWS	no	
		GW8	Vinyl chloride		Annual		<1	µg/L		DWS	no	
		GW8	Bromomethane		Annual		<1	µg/L		DWS	no	
		GW8	Chloroethane		Annual		<1	µg/L		DWS	no	
		GW8	Trichlorofluoromethane		Annual		<1	µg/L		DWS	no	
		GW8	1,1-Dichloroethylene		Annual		<1	µg/L		DWS	no	
		GW8	Dichloromethane		Annual		<50	µg/L		DWS	no	
		GW8	Trans-1,2-Dichloroethene		Annual		<1	µg/L		DWS	no	
		GW8	1,1-Dichloroethane		Annual		<1	µg/L		DWS	no	
		GW8	Cis-1,2-Dichloroethylene		Annual		<1	µg/L		DWS	no	
		GW8	2,2-Dichloropropane		Annual		<1	µg/L		DWS	no	
		GW8	Chloroform		Annual		<1	µg/L		DWS	no	
		GW8	Bromochloromethane		Annual		<1	µg/L		DWS	no	
		GW8	1,1,1-Trichloroethane		Annual		<1	µg/L		DWS	no	
		GW8	1,1-Dichloropropene		Annual		<1	µg/L		DWS	no	
		GW8	Carbon tetrachloride		Annual		<1	µg/L		DWS	no	
		GW8	1,2-Dichloroethane		Annual		<1	µg/L		DWS	no	
		GW8	Benzene		Annual		<1	µg/L		DWS	no	
		GW8	1,2-Dichloropropane		Annual		<1	µg/L		DWS	no	

Groundwater/Soil monitoring template						Lic No:	W0023-1		Year	2017		
		GW8	1,1,2-Trichloroethylene		Annual		<1	µg/L		DWS	no	Interim Guideline Values (IGV)
		GW8	Bromodichloromethane		Annual		<1	µg/L		DWS	no	
		GW8	Dibromomethane		Annual		<1	µg/L		DWS	no	
		GW8	Cis-1,3-Dichloropropene		Annual		<1	µg/L		DWS	no	
		GW8	Toluene		Annual		<1	µg/L		DWS	no	
		GW8	Trans-1,3-Dichloropropene		Annual		<1	µg/L		DWS	no	
		GW8	1,1,2-Trichloroethane		Annual		<1	µg/L		DWS	no	
		GW8	1,3-Dichloropropane		Annual		<1	µg/L		DWS	no	
		GW8	Tetrachloroethene		Annual		<1	µg/L		DWS	no	
		GW8	Chlorodibromomethane		Annual		<1	µg/L		DWS	no	
		GW8	1,2-dibromoethane		Annual		<1	µg/L		DWS	no	
		GW8	Chlorobenzene		Annual		<1	µg/L		DWS	no	
		GW8	1,1,1,2-Tetrachloroethane		Annual		<1	µg/L		DWS	no	
		GW8	EthylBenzene		Annual		<1	µg/L		DWS	no	
		GW8	M/P Xylene		Annual		<1	µg/L		DWS	no	

Environmental Liabilities template	Lic No:	W0023-1	Year	2017

Click here to access EPA guidance on Environmental Liabilities and Financial provision

			Commentary
1	ELRA initial agreement status	Submitted and agreed by EPA	Site Operational
2	ELRA review status	Review required and completed	
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	

Environmental Management Programme/Continuous Improvement Programme template		Lic No:	W0023-1	Year	2017

	Highlighted cells contain dropdown menu click to view		Additional Information
1	Do you maintain an Environmental Mangement System (EMS) for the site. If yes, please detail in additional information	Yes	An EMS is updated and retained on site on an annual basis since 2008. It includes sections on Use of manual, Site location and description, Types of waste accepted and procedures, Engineering details, Control of nuisance and Environmental management system requirements.
2	Does the EMS reference the most significant environmental aspects and associated impacts on-site	Yes	
3	Does the EMS maintain an Environmental Management Programme (EMP) as required in accordance with the licence requirements	Yes	
4	Do you maintain an environmental documentation/communication system to inform the public on environmental performance of the facility, as required by the licence	Yes	

Environmental Management Programme (EMP) report

Objective Category	Target	Status (% completed)	How target was progressed	Responsibility	Intermediate outcomes
Additional improvements	remove and replace the existing Office building between 2017 and 2018	50		Individual	Installation of infrastructure
Additional improvements	increase recycling of materials during customers Visits through education and school visits 2017-2019	50		Individual	Installation of infrastructure
Energy Efficiency/Utility conservation	to reduce energy usage on site	60	energy	Individual	Improved Environmental Management Practices
Additional improvements	assess the existing gabion structure on site and repair if necessary, 2017 - 2018	50		Individual	Installation of infrastructure

Noise monitoring summary report	Lic No:	W0023-1	Year	2017

1	Was noise monitoring a licence requirement for the AER period? If yes please fill in table N1 noise summary below	Yes
2	Was noise monitoring carried out using the EPA Guidance note including completion of the "Checklist for noise measurement report" included in the guidance note as table 6? (Noise Guidance note NG4)	Yes
3	Does your site have a noise reduction plan	No
4	When was the noise reduction plan last updated?	not applicable
5	Have there been changes relevant to site noise emissions (e.g. plant or operational changes) since the last noise survey?	No

Table N1: Noise monitoring summary

Date of monitoring	Time period	Noise location (on site)	Noise sensitive location -NSL (if applicable)	LA_{eq}	LA_{90}	LA_{10}	LA_{max}	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 site compliant with noise limits (day/evening/night)?
23/12/17	30 min	N1		55.2	42.4	60.5	72.6	No	No	road traffic and noise from scaffolding compnay	Yes
				55.4	38.9	60.4	71.4	No	No		Yes
				51	37.3	54.9	68.9	No	No	road traffic	Yes
		N2		50.7	37.4	52.4	71.8	No	No		Yes
				53.1	36.2	54.1	73.7	No	No		Yes
				52	37.7	54.6	73.6	No	No		Yes
		N3		59.1	40	58.9	81.2	No	No	road traffic	Yes
				56.5	37.9	53.1	79.3	No	No		Yes
				56.2	37.9	52.5	79.7	No	No		Yes
		N4		59.1	48.4	63.1	75.6	No	No	road traffic	Yes
				55.3	47.2	58	75.4	No	No		Yes
				54.8	47.7	58.6	71.8	No	No		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:	W0023-1	Year	2017

			Additional information
1	When did the site carry out the most recent energy efficiency audit? Please list the recommendations in table 3 below	2007	
2	Is the site a member of any accredited programmes for reducing energy usage/water conservation such as the SEAI programme linked to the right? If yes please list them in additional information	SEAI - Large Industry Energy Network (LIEN)	no	
3	Where Fuel Oil is used in boilers on site is the sulphur content compliant with licence conditions? Please state percentage in additional information	SELECT	N/A

Table R1 Energy usage on site

Energy Use	Previous year	Current year (2017)	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*			
Total Energy Used (MWHrs)	0.0317	0.0289	-8.73%		31,687	28,922	-2,765
Total Energy Generated (MWHrs)							-8.73
Total Renewable Energy Generated (MWHrs)							
Electricity Consumption (MWHrs)	0.0317	0.0289	-8.73%				
Fossil Fuels Consumption:	N/A	N/A	N/A	N/A			
Heavy Fuel Oil (m3)	N/A	N/A	N/A	N/A			
Light Fuel Oil (m3)	N/A	N/A	N/A	N/A			
Natural gas (CMN)	N/A	N/A	N/A	N/A			
Coal/Solid fuel (metric tonnes)	N/A	N/A	N/A	N/A			
Peat (metric tonnes)	N/A	N/A	N/A	N/A			
Renewable Biomass	N/A	N/A	N/A	N/A			
Renewable energy generated on site	N/A	N/A	N/A	N/A			

* 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 usage on site

					Water Emissions	Water Consumption	
Water use	Water extracted Previous year m3/yr.	Water extracted Current year m3/yr.	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*	Volume Discharged back to environment(m^3yr):	Volume used i.e not discharged to environment e.g. released as steam m3/yr	Unaccounted for Water:
Groundwater							
Surface water							
Public supply	Not metered		0	0	49		
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 Summary

	Total	Landfill	Incineration	Recycled	Other
Hazardous (Tonnes)	0				
Non-Hazardous (Tonnes)	0				

Resource Usage/Energy efficiency summary

Lic No: W0023-1 Year 2017

Table R4: Energy Audit finding recommendations

Date of audit	Recommendations	Description of Measures proposed	Origin of measures	Predicted energy savings %	Implementation date	Responsibility	Completion date	Status and comments
			SELECT					
			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 on Site					

Complaints and Incidents summary template Lic No: W0023-1 Year 2017

Complaints

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	No	Additional information

Table 1 Complaints summary

Date	Category	Other type (please specify)	Brief description of complaint (Free txt <20 words)	Corrective action< 20 words	Resolution status	Resolution date	Further information
	SELECT				SELECT		
	SELECT				SELECT		
	SELECT				SELECT		
	SELECT				SELECT		
	SELECT				SELECT		

Total complaints open at start of reporting year	
Total new complaints received during reporting year	
Total complaints closed during reporting year	
Balance of complaints end of reporting year	

Incidents

Have any incidents occurred on site in the current reporting year? Please list all incidents for current reporting year in Table 2 below	No	Additional information

*For information on how to report and what constitutes an incident	What is an incident

Table 2 Incidents summary

Date of occurrence	Incident nature	Location of occurrence	Incident category*please refer to guidance	Receptor	Cause of incident	Other cause(please specify)	Activity in progress at time of incident	Communication	Occurrence	Corrective action<20 words	Preventative action <20 words	Resolution status	Resolution date	Liklihood of reoccurence
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT

Total number of incidents current year	1
Total number of incidents previous year	0
% reduction/ increase	100

WASTE SUMMARY Lic No: W0023-1 Year 2017

SECTION A-PRTR ON SITE WASTE TREATMENT AND WASTE TRANSFERS TAB- TO BE COMPLETED BY ALL IPPC AND WASTE FACILITIES PRTR facility logon dropdown list click to see options

Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used M/C/E	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)
Within the Country	13 02 06	Yes	6.38	synthetic engine, gear and lubricating oils	R9	M	Weighed	Offsite in Ireland	ENVA ,IPC 472 WMC 16/01	ENVA ,Clonminam Industrial Estate ,Portlaoise.,,Ireland	ENVA ,W0184-01,ENVA ,Clonminam Industrial Estate ,Portlaoise.,,Ireland	ENVA ,Clonminam Industrial Estate ,Portlaoise.,,Ireland
Within the Country	15 01 01	No	98.12	paper and cardboard packaging	R5	M	Weighed	Offsite in Ireland	Greenstar Limited,WL 136-2; CKWMC 20/04	Sarsfield Court ,Glanmire ,Co. Cork ,Cork,Ireland		
Within the Country	15 01 02	No	32.78	plastic packaging	R13	M	Weighed	Offsite in Ireland	Green Dragon Recycling,CK3 46/03 CKMWC 183/03	Corbally North ,Glanmire ,Cork.,,Ireland		
Within the Country	15 01 02	No	2.41	plastic packaging	R4	M	Weighed	Offsite in Ireland	Green Dragon Recycling,CK3 46/03 CKMWC 183/03	Corbally North ,Glanmire ,Cork.,,Ireland		
Within the Country	15 01 04	No	4.68	metallic packaging	R4	M	Weighed	Offsite in Ireland	Green Dragon Recycling,CK3 46/03 CKMWC 183/03	Corbally North ,Glanmire ,Cork.,,Ireland		
Within the Country	15 01 04	No		metallic packaging	R13	M	Weighed	Offsite in Ireland	Green Dragon Recycling,CK3 46/03 CKMWC 183/03	Corbally North ,Glanmire ,Cork.,,Ireland		
Within the Country	15 01 07	No	61.88	glass packaging	R5	M	Weighed	Offsite in Ireland	Mr. Binman,W0061-01	Kilmallock ,Co. ,Limerick,,Ireland		
Within the Country	16 05 04	Yes		gases in pressure containers (including halons) containing dangerous substances	R1	M	Weighed	Offsite in Ireland	ENVA ,IPC 472 WMC 16/01	ENVA ,Clonminam Industrial Estate ,Portlaoise.,,Ireland	ENVA ,W0184-01,ENVA ,Clonminam Industrial Estate ,Portlaoise.,,Ireland	ENVA ,Clonminam Industrial Estate ,Portlaoise.,,Ireland
Within the Country	16 06 01	Yes	0.383	lead batteries	R6	M	Weighed	Offsite in Ireland	KMK Metals ,W0133-03	Cappincur Industrial Estate ,Daingean Road ,Tullamore ,Co. Offaly,Ireland	KMK Metals ,W0133-03,Cappincur Industrial Estate ,Daingean Road ,Tullamore ,Co. Offaly,Ireland	Cappincur Industrial Estate ,Daingean Road ,Tullamore ,Co. Offaly,Ireland
Within the Country	17 01 07	No	1010.62	mixture ot concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06	R5	M	Weighed	Offsite in Ireland	Ballineen Skip Hire,CK-0054-01	Ballineen Skip Hire,Ballineen ,Co. Cork,Cork,Ireland		
Within the Country	17 08 02	No	69.36	gypsum-based construction materials other than those mentioned in 17 08 01	R5	M	Weighed	Offsite in Ireland	Gypsum Recycling Ireland Ltd ,W0140-3	Gypsum Recycling Ireland Ltd ,First Floor ,Milennium House ,Main Street Tullamore Co. Offaly ,Ireland		
Within the Country	19 07 03	No	79.34	landfill leachate other than those mentioned in 19 07 02	R12	M	Weighed	Offsite in Ireland	Carrigtwohill wastewater treatment plant,D0044-01	Carrigtwohill ,,Co Cork,,Ireland		
Within the Country	20 01 01	No	121.24	paper and cardboard	R13	M	Weighed	Offsite in Ireland	Killarney Waste Disposal - KWD,W0217-01	Aughacureen,Killarney ,Co Kerry,Kerry,Ireland		
Within the Country	20 01 02	No	42.18	glass	R5	M	Weighed	Offsite in Ireland	MSM Recycling ,W0079-01	41 Cookstown Industrial Estate ,Tallaght ,Co. Dublin.,,Ireland		
Within the Country	20 01 11	No	14.72	textiles	R5	M	Weighed	Offsite in Ireland	Textile Recycling Ltd.,Charity no number	Glen Abbey Complex ,Belgard Road ,Tallaght ,Dublin 24.,Ireland		
Within the Country	20 01 28	No	15.74	paint, inks, adhesives and resins other than those mentioned in 20 01 27	R2	M	Weighed	Offsite in Ireland	ENVA ,IPC 472 WMC 16/01	ENVA ,Clonminam Industrial Estate ,Portlaoise.,,Ireland		

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Within the Country	20 01 34	No		batteries and accumulators other than those mentioned in 20 01 33	R6	M	Weighed	Offsite in Ireland	KMK Metals ,W0133-03	Cappincur Industrial Estate ,Daingean Road ,Tullamore ,Co. Offaly,Ireland		
Within the Country	20 01 36	No	276.14	discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35	R4	M	Weighed	Offsite in Ireland	KMK Metals ,W0133-03	Cappincur Industrial Estate ,Daingean Road ,Tullamore ,Co. Offaly,Ireland		
Within the Country	20 01 38	No	617.24	wood other than that mentioned in 20 01 37	R3	M	Weighed	Offsite in Ireland	CTO Environmental Solutions,CK(S)283/06	Kinsale Road landfill ,blackash ,Cork City,Cork ,Ireland		
Within the Country	20 01 40	No	170.84	metals	R4	M	Weighed	Offsite in Ireland	Pouladuff Dismantlers,WMP 08/01	Forge Hill ,Cork.,.,.,Ireland		
Within the Country	20 02 01	No	749.86	biodegradable waste	R3	M	Weighed	Offsite in Ireland	CTO Environmental Solutions,W0012-02 Kinsale Road Landfill & Rostellan (CK(S) 283/06 & Cork County Council Bandon Recycling Centre (R 1605)	CTO Environmental Solutions ,Kinsale Road Landfill ,Kinsale Road ,Cork,Ireland		
Within the Country	20 03 01	No	503.64	mixed municipal waste	D1	M	Weighed	Offsite in Ireland	Greenstar Limited,WL 136-2; CKWMC 20/04	Sarsfield Court ,Glanmire ,Co. Cork ,Cork,Ireland		
Within the Country	**20 03 07**	**No**	1480.59	bulky waste	R3	M	Weighed	Offsite in Ireland	Greenstar Limited,WL 136-2; CKWMC 20/04	Sarsfield Court ,Glanmire ,Co. Cork ,Cork,Ireland		
Within the Country	16 06 04	No	1.39	alkaline batteries (except 16 06 03)	R4	M	Weighed	Offsite in Ireland	KMK Metals ,W0133-03	Cappincur Industrial Estate ,Daingean Road ,Tullamore ,Co. Offaly,Ireland		
Within the Country	16 06 02	Yes	0.032	Ni-Cd batteries	R4	M	Weighed	Offsite in Ireland	KMK Metals ,W0133-03	Cappincur Industrial Estate ,Daingean Road ,Tullamore ,Co. Offaly,Ireland		
Within the Country	20 01 26	Yes	2.4	oil and fat other than those mentioned in 20 01 25	R1	M	Weighed	Offsite in Ireland	Lehane Environmental,WCP-CK-08-0574-02	1-3 Wallingstown Ind. Est.,Little Island,Cork,Cork ,Ireland	Rilta,W0192-3,Block 402 Grants Drive,Greenogue Business Park,Rathcoole,Co. Dublin,Ireland	Recyfuel SA,Zoning Industriel D'Ehein,B-4480,Engis,Belgium
Within the Country	16 07 08	Yes	0.5	wastes containing oil	R1	M	Weighed	Offsite in Ireland	Lehane Environmental,WCP-CK-08-0574-02	1-3 Wallingstown Ind. Est.,Little Island,Cork,Cork ,Ireland		
Within the Country	15 01 10	Yes	0.095	packaging containing residues of or contaminated by dangerous substances	R1	M	Weighed	Offsite in Ireland	Lehane Environmental,WCP-CK-08-0574-02	1-3 Wallingstown Ind. Est.,Little Island,Cork,Cork ,Ireland		
Within the Country	20 01 21	Yes	0.34	fluorescent tubes and other mercury-containing waste	R4	M	Weighed	Offsite in Ireland	KMK Metals ,W0133-03	Cappincur Industrial Estate ,Daingean Road unit1,GB		
Within the Country	20 01 25	No	0.14	edible oil and fat	R9	M	Weighed	Offsite in Ireland	Frylite,WFP-CK-11-0092	Business Park,Little		

SECTION B- WASTE ACCEPTED ONTO SITE-TO BE COMPLETED BY ALL IPPC AND WASTE FACILITIES

			Additional Information
1	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 is to be captured through PRTR reporting) If yes please enter details in table 1 below	SELECT	
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	SELECT	
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	SELECT	

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

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

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

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?	Accepted asbestos in reporting year	Total disposal area occupied by waste SELECT UNIT	Lined disposal area occupied by waste SELECT UNIT	Unlined area SELECT UNIT	Comments on liner type
Cell 8													

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Table 4 Environmental monitoring-landfill on Landfill Manual-Monitoring Standards

Was meterological monitoring in compliance with Landfill Directive (LD) standard in reporting year +	Was leachate monitored in compliance with LD standard in reporting year	Was Landfill Gas monitored in compliance with LD standard in reporting year	Was SW monitored in compliance with LD standard in reporting year	Have GW trigger levels been established	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

.+ please refer to Landfill Manual linked above for relevant Landfill Directive monitoring standards

Table 5 Capping-Landfill only

Area uncapped*	Area with temporary cap	Area with final cap to LD Standard m2 ha, a	Area capped other	Area with waste that should be permanently capped to date under licence	What materials are used in the cap	Comments
SELECT UNIT	SELECT UNIT					

*please note this includes daily cover area

Table 6 Leachate-Landfill only

9	Is leachate from your site treated in a Waste Water Treatment Plant?	Yes
10	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 (COD) 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

Please ensure that all information reported in the landfill gas section is consistent with the Landfill Gas Survey submitted in conjunction with PRTR returns

Table 7 Landfill Gas-Landfill only

Gas Captured&Treated by LFG System m3	Power generated (MW / KWh)	Used on-site or to national grid	Was surface emissions monitoring performed during the reporting year?	Comments
			SELECT	