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 Sum	mary	1	
AER Reporting Year	2017		
Licence Register Number	W0023-1		
Name of site	RAFFEE	N CAS AND LANDFILL (CLOSED)	
Site Location	Cork County Co	ouncil, 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	
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>	Raffeen CAS is a recyc	ling facility that accepts household ma	aterials such as Domestic waste, food cans, beverage
exceedances of licence limits (where	cans, glass bottles, r	ubble/DIY, paper, Cardboard, Newpar	pers and Magazines, Paint, Batteries, Waste Engine
applicable) and what they relate to e.g. air,	Oil, Fluorescent Tube	es, Scrap Metal, Timber, Flat Glass, Gro	een Waste, Textiles, Waste Cooking Oil & WEEE. The
water, noise.	CAS has been ope	en to the public for recycling and dispo	osal since late 2005. The attached landfill was in
	operation from 1979	until -October 2001. No complaints v	vere made against the facility during 2016. Overall
		the site has been complia	ant with its licence

30/03/17

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

Varl altin

(or nominated, suitably qualified and experienced deputy)

2

AIR-summary template

Answer all questions and complete all tables where relevant

W0023-1

Year

2017

Additional information

Does your site have licensed air emissions? If yes please complete table A1 and A2 below for the 1 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

	Periodic/Non-Continuous Monitoring			
2	Are there any results in breach of licence requirements? If section of TableA1	yes please provide brief details in the comment 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 <u>AGN2</u>	Yes	

Yes

Lic No:

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

										Comments -reason for change in %
			ELV in licence							mass load from
Emission		Frequency of	or any revision			Unit of	Compliant with		Annual mass	previous year if
reference no:	Parameter/ Substance	Monitoring	therof	Licence Compliance criteria	Measured value	measurement	licence limit	Method of analysis	load (kg)	applicable
					65 213					
Flare Stack	Methane (CH4)	Continuous	N/A	SELECT	00,210	m3	yes	MAB		
					50.040					
Flare Stack	Carbon dioxide (CO2)	Continuous	N/A	SELECT	53,243	m3	yes	ISO 12039:2001		
				No 30min mean can exceed the	4.61					
Flare Stack	Carbon monoxide (CO)	Annual	<50mg/Nm3	ELV		mg/Nm3	yes	ISO 12039:2001		
	Nitrogen oxides			No 30min mean can exceed the	14 53					
Flare Stack	(NOx/NO2)	Annual	<150mg/Nm3	ELV	14.00	mg/Nm3	yes	EN 14792:2005		
	Sulphur oxides				35.58					
Flare Stack	(SOx/SO2)	Annual	N/A	SELECT	55.56	mg/Nm3	yes	EN 14791:2005		
	SELECT			SELECT		SELECT	SELECT	SELECT		

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

AIR-summary template	Lic No:	W0023-1	Year	2017
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			
 b you have a proactive service agreement for each piece of continuous monitoring equipment? Did your site experience any abatement system bypasses? If yes please detail them in table 4 below Table A2: Summary of average emissions -continuous monitoring 	Yes No			

Emission	Parameter/Substance		Averaging	Compliance Criteria	Units of	Annual Emission	Annual maximum	Monitoring	Number of ELV	Comments
reference no:			Period		measurement			Equipment	exceedences in	
		ELV in licence or						downtime (hours)	current	
		any revision							reporting year	
		therof								
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	
				No 30min mean can exceed the		4.61				
Flare Stack	Carbon monoxide (CO)	Annual	<50mg/Nm3	ELV	SELECT	4.01	mg/Nm3	yes	ISO 12039:2001	
	Nitrogen oxides			No 30min mean can exceed the		14.53				
Flare Stack	(NOx/NO2)	Annual	<150mg/Nm3	ELV	SELECT	14.55	mg/Nm3	yes	EN 14792:2005	
	Sulphur oxides					35.58				
Flare Stack	(SOx/SO2)	Annual	N/A	SELECT	SELECT	33.38	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

AIR-summary	template				Lic No:	W0023-1		Year	2017	
Solvent	use and managemen	t on site								
8 Do you have a tota	al Emission Limit Value of d	irect and fugitive e	missions on site	? if yes please fill out tables A4 a	nd A5		SELECT			
Table A4: Solve Total VOC Emi	ent Management Pla ssion limit value	in Summary	<u>Solvent</u> regulations	Please refer to linked solver complete table 5	nt regulations to and 6			<u>.</u>		
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: S	Solvent Mass Balance	e summary							1	
	(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	Total emission of Solvent to air (kg)		
		511105101111				the second second second	and the through			
		•			•	·	Total		1	

mary template-WATER/WASTEWATER(SEWER)

Lic No: W0023-1 Year Additional information

2017

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 <u>only</u> 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 <u>only any evidence of</u> <u>contamination noted during visual inspections</u>.

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
SWZB		SELECT	Ammonia (as N)	24/01/17			1.35	mg/L	SELECT	WEEKLY
510/4		SELECT	Ammonia (as N)	24/01/17			4.05	mg/L	SELECT	WEEKLY
510/5		SELECT	Ammonia (as N)	24/01/17			<0.03	mg/L	SELECT	WEEKLY
SW/1		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
SW2		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
SWZ		SELECT	Ammonia (as N)	22/02/17			35.2	mg/L	SELECT	WEEKLY
SWZA		SELECT	Ammonia (as N)	22/02/17			0.22	mg/L	SELECT	WEEKLY
SW20		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

nary template-V	NATER/WASTEWAT	FR(SFWFR)			Lic No:	W/0023-1		Vear	2017
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
5W1 5W2		SELECT	Ammonia (as N)	20/03/17		0.08	mg/L	SELECT	WEEKLY
SW2		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
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
5W3		SELECT	Ammonia (as N)	06/04/17		3.89	mg/L	SELECT	WEEKLY
SW/5		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
5W1 SW/2		SELECT	Ammonia (as N)	18/04/17	 	0.06	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	WEFKLY
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
5W3		SELECT	Ammonia (as N)	27/04/17		6.58	mg/L	SELECT	WEEKLY
SW5		SELECT	Ammonia (as N)	27/04/17		<0.05	mg/L	SELECT	WEEKLY
SW1		SELECT	Ammonia (as N)	05/05/17		0.03	mg/L	SELECT	WEFKLY
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
2M/3		SELECT	Ammonia (as N)	09/05/17		12.1	mg/L	SELECT	WEEKLY
SW4		SELECT	Ammonia (as N)	09/05/17		4.55	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
SW1		SELECT	Ammonia (as N)	23/05/17		0.02	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

nary template-V	WATER/WASTEWAT	ER(SEWER)			Lic No:	W0023-1		Year	2017
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
SW5		SELECT	Ammonia (as N)	30/05/17	 	0.17	mg/L 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
SWI		SELECT	Ammonia (as N)	15/06/17	 	<0.02	mg/L	SELECT	WEEKLY
SW2		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
5W4		SELECT	Ammonia (as N)	21/06/17	 	0.03	mg/L	SELECT	WEEKLY
SW1		SELECT	Ammonia (as N)	21/06/17		<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
5W3 SW/4		SELECT	Ammonia (as N)	07/07/17		0.08	mg/L	SELECT	WEEKLY
SW/4		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)	21/0//17	 	0.06	mg/L	SELECT	WEEKLY
SW/1		SELECT	Ammonia (as N)	21/07/17		0.07	mg/L	SELECT	WEEKLY
SW2		SELECT	Ammonia (as N)	26/07/17		0.05	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
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
SW4		SELECT	Ammonia (as N)	14/08/17		0.00	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
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
5W1 5W2		SELECT	Ammonia (as N)	05/09/17		<0.02	mg/L	SELECT	WEEKLY
SW2A		SELECT	Ammonia (as N)	05/09/17		0.06	mg/L 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 SW3		SELECT	Ammonia (as N)	15/09/17		5.44	mg/L 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
5W/4 SW/5		SELECT	Ammonia (as N)	20/09/17		0.23	mg/L	SELECT	WEEKLY
SW1		SELECT	Ammonia (as N)	28/09/17		0.03	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
5W2 SW24		SELECT	Ammonia (as N)	04/10/17		17.6	mg/L 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
2W2B		SELECT	Ammonia (as N)	10/10/17		1.67	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)	1//10/17		<0.02	mg/L	SELECT	WEEKLY
5W/5 SW/1		SELECT	Ammonia (as N)	26/10/17		0.02	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	
SW/3		SELECT	Ammonia (as N)	26/10/17		1.06	mg/l	SELECT	WEEKLY	
SW/A		SELECT	Ammonia (as N)	26/10/17		0.03	mg/L	SELECT	WEEKLY	
5004		SELECT	Ammonia (as N)	20/10/17		0.03	mg/L	SELECT	WEEKLY	
5005		SELECT	Ammonia (as N)	20/10/17		<0.02	mg/L	SELECT	WEEKLI	
SWI		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	
SW/2A		SELECT	Ammonia (as N)	07/11/17		0.22	mg/l	SELECT	WEEKLY	
SW20		SELECT	Ammonia (as N)	07/11/17		***	mg/L	SELECT	WEEKLY	
511/2		SELECT	Ammonia (as N)	07/11/17	-	1.0	mg/L	CELECT	WEEKEI	
5005		SELECT	Ammonia (as N)	07/11/17		1.0	mg/L	SELECT	WEEKLY	
SW4		SELECT	Ammonia (as N)	07/11/17		0.03	mg/L	SELECT	WEEKLY	
SW5		SELECT	Ammonia (as N)	0//11/1/		<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	mø/i	SELECT	WEFKLY	
\$10/2		SELECT	Ammonia (as N)	22/11/17		18.7	mg/L	SELECT	WEEKLY	
510/20		SELECT	Ammonia (as N)	22/11/17		10.7	mg/L	SELECT	WEEKLY	
SWZA		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	
SW/3		SELECT	Ammonia (as N)	01/12/17		3 73	mg/l	SELECT	WEEKLY	
SWA		SELECT	Ammonia (as N)	01/12/17		0.03	mg/L	SELECT	WEEKLY	
SW4		SELECT	Ammonia (as N)	01/12/17		<0.03	mg/L	SELECT	WEEKLY	
3003		SELECT	Annolia (as N)	01/12/17		0.02	ilig/L	SELECT	WEEKLT	
SWI		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	mø/l	SELECT	WEEKLY	
SW/2B		SELECT	Ammonia (as N)	15/12/17		***	mg/L	SELECT	WEEKLY	
SVV2D		SELECT	Ammonia (as N)	15/12/17		1.40	mg/L	SELECT	WEEKLI	
5443		SELECT	Ammonia (as N)	15/12/17		1.46	mg/L	SELECT	WEEKLY	
5W4		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	
						1				
						1				
SW1			Ammonia (as N)	Quarterly	N/A	0.07	mø/l	SELECT	Mean for 2016	
0.02	1	Chlorides (as Cl)		Quarterly	N/Δ	26.8	mø/l	SELECT	Mean for 2017	
		chieffacs (as cij	00	Quarterly	N/A	<10		SELECT	Mean for 2017	
			Conductivity	Quarterly	N/A	264.5	us /cm @20c0	SELECT	Moon for 2017	
			Conductivity	Quarterly	N/A	204.5	μs/cm @2000	SELECT	March 2017	
			рН	Quarteriy	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	°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	SELFCT	Annual	
			Nitrite	Annual	N/A	0.01	mg/LNO3	SELECT	Annual	
			Sulphate	Appual	N/A	14.4	mg/I SOA	SELECT	Annual	
			Suphate	Annual	N/A	14.4	111g/L 504	SELECT	Annual	

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		Total Oxidised Nitrogen				7.40			
		(TON)	Annual		N/A	7.49	mg/L N	SELECT	Annual
	Cadmium and compounds					<1			
	(as Cd)		Annual	-	N/A		μg/L	SELECT	Annual
	(as Cr)		Annual		N/A	<1	118/1	SELECT	Annual
	Copper and compounds (as		Annuar	1	17/5		H6/ L	JELECI	Airiuai
	Cu)		Annual		N/A	1	μg/L	SELECT	Annual
		Iron	Annual	1	N/A	0.064	mg/L	SELECT	Annual
	Lead and compounds (as			1		-1	<u>.</u>		
	Pb)		Annual		N/A	<1	μg/L	SELECT	Annual
		Manganese (as Mn)	Annual		N/A	0.012	mg/L	SELECT	Annual
	Mercury and compounds					<0.5			
	(as Hg)		Annual	-	N/A	(0.5	μg/L	SELECT	Annual
	Zinc and compounds (as					<8		001007	
	20)	0.1.1	Annual	-	N/A	20.44	µg/L	SELECT	Annual
		Calcium	Annual	-	N/A	30.44	mg/L	SELECT	Annual
		wagnesium	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
				1					
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
		рН	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	°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					-1			
	(as Cd)		Annual		N/A	×1	μg/L	SELECT	Annual
	Chromium and compounds					<1		001	
	(as Cr)		Annual		N/A		µg/L	SELECT	Annual
	Cu)		Annual		N/A	<1	ug/I	SELECT	Annual
	cuj	Iren	Annual		N/A	0.811	μg/L mg/l	SELECT	Annual
	Lead and compounds (as	101	Annual		IV/A	0.011	ing/L	SELECT	Annual
	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					-8			
	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	Quartorly		N/A	14.6	0	SELECT	Mean for 2017
	L	Alkalinity	Annual		N/A	68 9	mg/L C2CO2	SELECT	Annual
		Aikdiffilty	Annual		IN/A	7.20	mg/L CaCO3	SELECT	Annual
		Nitrate	Annual		N/A	7.39	mg/L NO2	SELECT	Annuai
		Nitrite	Annual		N/A	0.011	mg/L NO3	SELECT	Annual
		Sulphate Total Oxidised Nitrogen	Annual		N/A	15.1	mg/L SO4	SELECT	Annual
		(TON)	Annual		N/A	7.41	mg/LN	SELECT	Annual
	Cadmium and compounds	(10N)	Amitual		IN/A		ing/LIN	SELECT	Annual
	(as Cd)		Annual		N/A	<1	μg/L	SELECT	Annual
	Chromium and compounds						107-		
	(as Cr)		Annual		N/A	<1	μg/L	SELECT	Annual
	Copper and compounds (as					1			
	Cu)		Annual		N/A	1	μg/L	SELECT	Annual
		Iron	Annual		N/A	0.093	mg/L	SELECT	Annual
	Lead and compounds (as					<1			
	Pb)		Annual		N/A	-	μg/L	SELECT	Annual
		Manganese (as Mn)	Annual		N/A	0.039	mg/L	SELECT	Annual

many template-WATER/WASTEWA	TER(SEW/ER)				Lic No:	W0022-1		Vear	2017	
hary template-warely wastewa	Mercury and compounds			1	LIC NO.	W0023-1	1	icai	2017	
	(as Hg)		Annual		N/A	<0.5	119/1	SELECT	Annual	
	Zinc and compounds (as		Annuar		19/5		P6/ L	JLLLCI	Annuai	
	Zn)		Appual		N/A	<8	ug/I	SELECT	Annual	
	211)		Annual		IN/A	24.25	μg/τ	SELECT	Annual	
		Calcium	Annuai		IN/A	31.25	mg/L	SELECT	Annuai	
		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		Ν/Δ	3.10	mg/l	SELECT	Mean for 2017	
		ROD	Quarterly		N/A	e1	mg/l	SELECT	Mean for 2017	
	Chlorides (se Cl)	500	Quarterly		N/A	02	111g/L	CELECT	Mean for 2017	
	Chiorides (as CI)		Quarterly		N/A	92	mg/L	SELECT	Wean 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	
		pН	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	°c	SELECT	Mean for 2017	
		Alkalinity	Annual		N/A	00	mg/L C2CO2	SELECT	Annual	
		Alkalinity	Annuar		N/A	63	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				7.07				
		(TON)	Annual		N/A	7.07	mg/L N	SELECT	Annual	
	Cadmium and compounds					<1				
	(as Cd)		Annual		N/A	~1	μg/L	SELECT	Annual	
	Chromium and compounds					<1				
	(as Cr)		Annual		N/A	~1	μg/L	SELECT	Annual	
	Copper and compounds (as					1				
	Cu)		Annual		N/A	-	μg/L	SELECT	Annual	
		Iron	Annual		N/A	0.392	mg/L	SELECT	Annual	
	Lead and compounds (as					-1				
	Pb)		Annual		N/A	< <u>1</u>	μg/L	SELECT	Annual	
		Manganese (as Mn)	Annual		N/A	0.138	mg/L	SELECT	Annual	
	Mercury and compounds					<0.5				
	(as Hg)		Annual		N/A	<0.5	μg/L	SELECT	Annual	
	Zinc and compounds (as					< ⁸				
	Zn)		Annual		N/A	~o	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	
					,		, U			
CIM/A		Ammonia (as N)	Quartarly		N/A	0.05	mall	SELECT	Mean for 2017	
3444			Quarterly		N/A	0.08	nig/L	SELECT	Moon for 2017	
	011 11 (01)	BOD	Quarteriy		N/A	<1	mg/L	SELECT	Wear for 2017	
	Chlorides (as CI)		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	
		Tomocratica	Quarterly		N/A	14	00	CELECT	Mean for 2017	
		remperature	Quarterly		IN/A	14	(L 0.00-	SELECT	Wican 101 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				7.61				
		(TON)	Annual		N/A	7.01	mg/L N	SELECT	Annual	
	Cadmium and compounds					<1				
	(as Cd)		Annual		N/A	~1	μg/L	SELECT	Annual	
	Chromium and compounds					<1		001		
	(as Cr)		Annual		N/A		μg/L	SELECT	Annual	
	copper and compounds (as					1		651 5 6T		
	cu)		Annual		N/A		μg/L	SELECT	Annual	
	Load and corrected (Iron	Annual		N/A	0.08	mg/L	SELECT	Annual	
	Leau and compounds (as		A		21/2	<1		CLICCT	Amount	
	PD)		Annual		N/A		μg/L	SELECT	Annual	
	Moreup and	Manganese (as Mn)	Annual		N/A	0.014	mg/L	SELECT	Annual	
	wercury and compounds		A		A1 / A	<0.5		CTU C 07		
	(as Hg)		Annual		N/A		μg/L	SELECT	Annual	
	Zinc and compounds (as		Angerer		N/A	<8		CELECT	Angual	
	20)		Annual		IN/A	20.01	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	
		ROD	Quarterly		N/A		mali	SELECT	Mean for 2017	
		DV/1/			INVA			00000		

mary template-W	ATER/WASTEWA	TER(SEWER)			Lic No:	W0023-1		Year	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	°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			<0.25			
		Codesium and companyed	(TON)	Annual	N/A	-0.25	mg/L N	SELECT	Annual
		(as Cd)		Appual	N/A	<1	ug/I	SELECT	Annual
		Chromium and compounds		Amitual	IN/A		µg/L	SELECT	Annual
		(as Cr)		Annual	N/A	<1	μg/L	SELECT	Annual
		Copper and compounds (as				1			
		Cu)		Annual	N/A	1	μg/L	SELECT	Annual
			Iron	Annual	N/A	0.006	mg/L	SELECT	Annual
		Lead and compounds (as				<1		001007	
		PD)	Manager (22.54.)	Annual	N/A	0.084	μg/L	SELECT	Annual
		Mercury and compounds	manganese (as Mn)	Annual	 N/A	0.084	mg/L	SELECT	Annuai
		(as Hg)		Annual	N/A	<0.5	ug/I	SELECT	Annual
		Zinc and compounds (as					ro/ -		
		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						Annual
			(TON)	Annual	 N/A	-	mg/l		Annuar
		Zinc and compounds (as							Annual
		Zn)		Annual	 N/A	-	ug/I		Appual
		I otal phosphorus	Cardium	Annual	 N/A	-	mg/l		Annual
			Soaium	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				
Are you required by your licence to undertake integrity testing on bunds and containment structures ? if yes please fill of	out table B1 below listing all new bunds			7			
and containment structures on site, in addition to all bunds which failed the integrity test-all bunding structures which	h failed including mobile bunds must be						
1 listed in the table below	-	No					
2 Please provide integrity testing frequency period		SELECT					
Does the site maintain a register of bunds, underground pipelines (including stormwater and foul), Tanks, sumps and co	ontainers? (containers refers to						
3 "Chemstore" type units and mobile bunds)		SELECT					
4 How many bunds are on site?				1			
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							

															a 11 f
										Integrity reports					Results of
Bund/C	Containment									maintained on		Integrity test failure		Scheduled date	current
structu	ire ID	Туре	Specify Other type	Product containment	Actual capacity	Capacity required*	Type of integrity test	Other test type	Test date	site?	Results of test	explanation <50 words	Corrective action taken	for retest	reporting year)
		SELECT					SELECT			SELECT	SELECT		SELECT		
		SELECT					SELECT			SELECT	SELECT		SELECT		
* Capacity	y required should comp	ly with 25% or 110% containment r	ule asdetailed in your licence					Commentary	•						
Has inte	egrity testing be	en carried out in accorda	nce with licence requirements and	d are all structures tested in					I						
14 line wit	th BS8007/EPA G	Suidance?			bunding and storage guidel	ines	SELECT								
15 Are cha	annels/transfer s	systems to remote contain	nment systems tested?				SELECT								
16 Are ch	annels/transfer	systems compliant in both	n integrity and available volume?				SELECT		l						

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	

SELECT

2 Please provide integrity testing frequency period

	Table	B2: Summary details of p	ipeline/underground structures in	tegrity test]							
Struct	ture 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

Groundwat	er/Soil monitori	ng template				Lic No:	W0023-1		Year	2017		
0.00.000		ing template				2101101			. cui	2017		
								Comments				
								Connents				
	1											
		Are yo	u required to carry out grou	ndwater monitorin	g as part of your licence re	equirements?	yes					
	2	A	re you required to carry out	soil monitoring as	part of your licence requir	ements?	no					
	2											
	3	Do vo	ou extract groundwater for u	use on site? If ves p	lease specify use in comm	ent section	no					
		- 1		7-1	,		-					
	4	le ti	are contaminated land and	/or groundwater o	n site? If yes please answ	er a's 5-12	no					
		13 (1	lere contaminated land and	/or groundwater c	in site: in yes please answe	er q 3 5-12	no					
	5											
	5	Is th	e contamination related to o	operations at the fa	acility (either current and/	or historic)	SELECT					
	6	Have actions	been taken to address conta	amination issues?If	yes please summarise rer	mediation strategies						
			propo	osed/undertaken f	or the site		SELECT					
	7		Please specify the prop	osed time frame f	or the remediation strateg	ξV	SELECT					
	8		Is there a licence con	dition to carry out	update ELRA for the site?		SELECT					
	9		Has any type of risk	k assesment been o	carried out for the site?		SELECT					
	10		Has a Conceptual	Site Model been o	leveloped for the site?		SELECT					
	11		Have potential re	eceptors been iden	tified on and off site?		SELECT					
	12		Is there evidence	that contamination	n is migrating offsite?		SELECT					
			is there eridence		in is migrating ensite.		522201					
1. Ungradia	nt Croundwator	monitoring rocul	**									
1: Opgradie	ni Groundwater	monitoring resu										
											Upward trand in pollutant	
	Data of	Comula location				N An in the second	A				opward trend in politicalit	
	Date of	Sample location				iviaximum	Average				concentration over last 5	
	sampling	reference	Parameter/Substance	Methodology	Monitoring frequency	Concentration++	Concentration+	unit	GIV's*	DWS	years of monitoring data	
			Ammoniacal Nitrogen			0.05	0.04					
	Mean of 2017	GW2		meter	quarterly			mg/L N	0.02NH3	DWS	no	
		GW2			quarterly	29	27.6	mg/L		DWS	no	
-	Mean of 2017		Chloride	meter					250			
		GW2			quarterly	291	280.5	μS/cm @ 200C		DWS	no	
	Mean of 2017		Conductivity	meter					1000			
		GW2			quarterly	6.9	6.9	pH Unit		DWS	no	
	Mean of 2017	-	рН	titration				-	9.5	-		
		GW2			quarterly	0.08	0.0	μg/L		DWS	no	
	Mean of 2017		Phenols	meter	4			10				
		GW2			quarterly	1.6	1.5	mg/L		DWS	no	
	Mean of 2017	0.112	Potassium		quarcenty					5115		
		GW/2			quarterly	17.9	17.2	mg/I		DW/S	no	
	Mean of 2017	6112	Sodium		quarteriy		17.2			5113	110	
		GW/2			quarterly	14.8	12.6	00		DW/S	no	
	Mean of 2017	0112	Temperature		quarterry		12.0			5445	10	
		G\\/2			quarterly	4.65	4.0	mg/LN		DW/S	no	
	Mean of 2017	0442	TON		quarterry		U	1116/ L 11		0403	10	
	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	ĺ	DWS	no	
		GW2	Sulphate		Annual		13	mg/L		DWS	no	
<u> </u>		GW2	TON		Annual		3.36	mg/L N		DWS	no	
<u> </u>		GW2	Total Phosphorus		Annual		0.23	mg/L P		DWS	no	
-		GW/2	Boron, Dissolved	1	Annual	1	<10	це/1	1	DW/S	no	
H		GW/2	Cadmium Dissolved		Annual		<1	ug/I		DW/S	no	
			Coornany Dissolved	1	/ initual		-1	P6/ -		0775	110	
		GW2	Chromium Dissolved		Δηριμαί		<1	110/1		DW/S	no	
		GW2 GW2	Chromium, Dissolved		Annual		<1	μg/L		DWS	no	
		GW2 GW2 GW2	Chromium, Dissolved Cobalt, Dissolved		Annual Annual Annual		<1 <1 <1 <1 <1	μg/L μg/L		DWS DWS	no no	
		GW2 GW2 GW2 GW2	Chromium, Dissolved Cobalt, Dissolved Copper, Dissolved		Annual Annual Annual		<1 <1 <1	μg/L μg/L μg/L		DWS DWS DWS	no no no	
		GW2 GW2 GW2 GW2 GW2	Chromium, Dissolved Cobalt, Dissolved Copper, Dissolved Iron, Dissolved		Annual Annual Annual Annual		<1 <1 <1 0.006	μg/L μg/L μg/L mg/L		DWS DWS DWS DWS	no no no no	
		GW2 GW2 GW2 GW2 GW2 GW2	Chromium, Dissolved Cobalt, Dissolved Copper, Dissolved Iron, Dissolved Lead, Dissolved		Annual Annual Annual Annual Annual		<1 <1 0.006 <1	μg/L μg/L μg/L mg/L μg/L		DWS DWS DWS DWS DWS DWS	no no no no no	

Groundwat	ter/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	ug/L		DWS	no	
	GW2	Beryllium Dissolved		Annual		2	ug/L		DWS	no	
	GW2	Molyhdenum, Dissolved		Annual		<1	110/1		DWS	no	
	GW2	Antimony, Dissolved		Annual		1	196/ - 119/1		DWS	10	
	GW2	Selenium Dissolved		Annual			196/ - 119/1		DWS	10	
	GW2	Tollurium Dissolved		Annual		<3	μg/L		DWS	110	
	GW2	Tip Dissolved		Annual		<10	μα/ι		DWS	110	
	GW2	The New Dissolved		Annual		<10	μg/L		DWS	110	
	GW2	Thailium, Dissolved		Annual		<1	μg/L		DWS	no	
	GW2	Vanadium, Dissolved		Annual		ব	μg/L		DWS	no	
	GW2	Uranium		Annuai		<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)pervlene		Annual		<0.01	μg/L		DWS	no	
	GW2	PAH (Total)		Annual		<0.01	μg/L		DWS	no	
	GW2	Dichlorodifluoromethane		Annual		<1	ug/L		DWS	no	
	GW2	Chloromethane		Annual	1	<1	µg/L		DWS	no	
	GW2	Vinyl chloride		Annual		<1	10/1		DWS	no	
	GW2	Bromomethane	1	Annual		<1	це/1		DW/S	no	
	GW2	Chloroethane		Δηριμαί		<1	ug/L		DWS	no	
	GW2	Trichlorofluoromethane		Annual		<1	ug/L		DWS	no	
	GW2	1 1-Dichloroothylono	1	Δηριμαί		۰ <u>،</u> ۲۱	10/ L		DW3	no	
	GW2	Dichloromothana	1	Annual		<=0	μς/ι		DWS	110	
	GW2	Trans 1.2 Dichlorocthone	1	Annual		<1	με/ι		DWS	110	
	GW2	1 1 Dishlaraath	1	Annual		<1	μg/L		DWS	110	
	GW2	L,I-Dichloroethane	1	Annual		~1	μg/L	ł	DWS	110	
	GW2	CIS-1,2-Dichlordethylene		Annual		<1	μg/L		DWS	no	
	GW2	2,2-Dichloropropane		Annual		<1	μg/L		DWS	no	
	GW2	Chlorotorm		Annuai		<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	

Groundwat	er/Soil monitoring template			Lic No:	W/0023-1		Vear	2017		
Groundwar	GW2	Cis-1 3-Dichloropropene	Annual	LIC NO.	(1	ug/I	icui	DWS	20	
	GW2	Toluono	Annual		1	μg/L μg/L		DWS	10	
	GW2	Trans 1.2 Dishlaranranana	Annual		<1	μα/ι		DWS	10	
	GW2	Trans-1,3-Dichlorophopene	Annual		<1	μα/ι		DWS	10	
	GW2	1,1,2-Tricnioroetnane	Allilual		<1	μg/L		DWS	no	
	GW2	1,3-Dichloropropane	Annual		ব	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	ĺ	DWS	po	
	GW2	1,3,5-Trimethylbenzene	Annual	1	<1	μg/L		DWS	po	
	GW2	T-Butylbenzene	Annual		<1	μg/L	1	DWS	po	
	GW2	1.2.4-Trimethylhenzene	Annual		<1	ug/I	1	DW/S	po	
	GW2	S-Butylhonzono	Δηριμα		، <u>-</u> د1	10/L		DW/S	no	
	GW2	n Isopropultoluopo	Annual		<1	μα/ι		DWS	10	
	GW2	2 Chlorotoluono	Annual		<1	μα/ι		DWS	10	
	GW2	2-Chlorotoldene	Allilual		<1	μg/L		DWS	no	
	GW2	4-Chlorotoluene	Annual		<1	μg/L		DWS	no	
	GW2	1,3-Dichlorobenzene	Annual		ব	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		Annual		<1	ug/L		DWS	no	
	0112	Bis (2-chloroisopropyl) ether	7.11100			10		5115		
	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		Annual		<1	ug/L		DWS	no	
	0112	Bis (2-chloroethoxy) methane	Amuai		.1	₩6/ L		2775	10	
	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	
	6\\/2		Annual		0	ug/I		DWS	00	
	0002	Hexachlorocyclopentadiene	Annual		~2	μ6/ L		0403	10	
	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	

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Groundwate	er/Soli monitoring ter	mplate				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	
										B1110		
		GW2	4-Chlorophenyl phenylether		Annuai		<1	µg/L		DWS	no	
		GW2	4-Nitroaniline		Annual		<1	μg/L		DWS	no	
		GW2	Azobenzene		Annual		<1	118/1		DWS	0	
		0112	Azobelizene		Annual		~1	μ6/ -		DVVJ	110	
		GW2	4 Promonhonyl phonylothor		Annual		<1	μg/L		DWS	no	
		C)1/2			Appual		-1			DWC		
		GWZ	Hexachiorobenzene		Allilual		<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-ethylbexyl)nbthalate		Annual		<1	ug/L		DWS	no	
		GW2	Di n octulattalato		Annual			10/-		DWS	10	
		GW2	Di-it-occypittialate		Annual		-0.01	μ6/ Ε		DWS	110	
		GW2	Hexachiorocyclonexane		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		Δηριμαί		<0.01	119/1		DWS	00	
		GW2	Endegulahan		Annual		-0.01	H6/ -		DWS	10	
		GWZ	Elidosulphan		Allilual		<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	ug/L		DWS	no	
		GW2	Dichloryos		Annual		<0.01	118/1		DWS	0	
		GW2	Mayinghas		Annual		<0.01	H6/ -		DWS		
		GWZ	Neviripilos		Annual		0.01	μg/ ε	-	DVVS	110	
		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	ug/L		DWS	no	
		GW2	Parathion		Annual		<0.01	118/1		DWS	0	
		GW2			Annual		<0.01	μς/L		DWS	110	
		GW2	Azinphos methyl		Annuai		<0.01	µg/L		DWS	no	
		GW2			Annual		< 0.01	μg/L		DWS	no	
			Phenoxy Acetic Acid Herbicides									
		GW2	Mecoprop		Annual		<0.01	μg/L		DWS	no	
		GW2	Phenoxy Acetic acid herbicide:		Annual		<0.01	ug/L		DWS	no	
		5	MCPA					· or -		2.113		
		GW2	Dichlorprop		Annual		<0.01	μg/L		DWS	no	
I T		GW2	Phenoxy Acetic acid herbicide:		Annual		<0.01	ug/I		DW/S	no	
		5002	2,4-D		Annua		-0.01	μ6/ L		D 113	10	
		GW2	Fenoprop		Annual		<0.01	μg/L		DWS	no	
		CN/2	Phenoxy Acetic acid herbicide:		Appual		-0.01			DWC	20	
		GWZ	2,4,5-T		Annuai		<0.01	µg/L		DWS	no	
		GW2	Triazines		Annual		<0.01	μg/L		DWS	no	
		GW2	Simazine		Annual		< 0.01	ug/L		DWS	no	
		GW/2	Atrazine		Annual		<0.01	10/		DWS	0	
├	├	GW2	Dropozino		Annual		<0.01	μ6/ L		DWS	10	
┝────┤		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	
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											Upward trend in pollutant	
	Date of Sam	ple location				Maximum	Average				concentration over last 5	
	sampling re	eference	Parameter/ Substance	Methodology	Monitoring frequency	Concentration++	Concentration+	unit	GTV's*	DWS	years of monitoring data	
				÷.								

Groundwat	ter/Soil monitori	ng template				Lic No:	W0023-1		Year	2017		
			Ammoniacal Nitrogen			7.04	5.28					
	Mean of 2017	GW5		meter	quarterly			mg/L N	0.02NH3	DWS	no	
		GWE			quarterly	33.8	22.2	mall		DW/S	20	
	Mean of 2017	GWS	Chloride	meter	quarterly		55.5	iiig/L	250	DWS	10	
		CIME			quartarly	551	405.2	us/am @ 2000		DWG	20	
	Mean of 2017	GWS	Conductivity	meter	quarterly		495.5	μs/cm @ 2000	1000	DWS	10	
		CIME			e u e et e el c	6.6				DIMC		
	Mean of 2017	GWS	pH	titration	quarterly		0.0	pH Unit	9.5	DWS	no	
		CIME			e u e et e el c	0.09	0.1			DIMC		
	Mean of 2017	GW5	Phenols	meter	quarterly		0.1	µg/L		DWS	no	
		01115				10.5				2110		
	Mean of 2017	GW5	Potassium		quarterly		9.0	mg/L		DWS	no	
		01115				26.9				211/2		
	Mean of 2017	GW5	Sodium		quarterly		25.5	mg/L		DWS	no	
						14.2						
	Mean of 2017	GW5	Temperature		quarterly		13.0	0C		DWS	no	
						3.61						
	Mean of 2017	GW5	TON		quarterly	5.01	1.68	mg/L N		DWS	no	
	28/09/17	GW/5	Alkalinity		Annual		212	mg/L CaCO3		DW/S	00	
-	20,03,17	GW5	Orthophosphate		Annual		0.01	mg/L P		DW/S	10	
		GW/5	orthophosphate		Annual		65	nH Unit		DW/S	10	
		CW/5	pri Culabata		Annual		17.2	ma/l		DWS	10	
	-	GW5	Supriate		Annual	-	17.5	ing/L		DWS	10	
	-	GW5	ION		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	ug/L		DWS	no	
		GW5	Fluoride		Annual		0.14	mg/L		DWS	00	
-		GW5	Calcium		Annual		35.9	mg/l		DWS	0	
-		GW5	Magnesium		Annual		18 13	mg/l		DW/S	10	
		GW5	Sodium		Annual		24.13	mg/L		DW/S	10	
		CW/5	Detessium		Annual		0.00	mg/L		DWS	10	
	+	GWS	Potassium		Annual		6.66 <0.0F	mg/L		DWS	10	
		GW5	Cyanice Silver Direction		Annual		<0.05	111g/L		DWS	110	
		GW5	Sliver, Dissolved		Annual		<10	μg/L		DWS	no	
		GW5	Arsenic, Dissolved		Annual		182	μg/L		DWS	no	
	+	GW5	Barium, Dissolved	ł	Annual	+	34	μg/L		DWS	no	
		GW5	Beryllium, Dissolved		Annual		2	μg/L		DWS	no	
L		GW5	Molybdenum, Dissolved		Annual		2	μg/L		DWS	no	
L		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	ļ	Annual	ļ	<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	
Γ		GW5	Acenaphthylene		Annual		<0.01	μg/L		DWS	no	
		GW5	Acenaphthene		Annual		0.01	μg/L		DWS	no	
	1	GW5	Flourene		Annual		0.01	μg/L		DWS	no	
	1	GW5	Phenanthrene	1	Annual	l .	<0.01	μg/L		DWS	no	
	1	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	
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Groundwat	er/Soli 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	Vinvl chloride		Annual		<1	μg/L		DWS	no	
	GW5	Bromomethane		Annual		<1	ug/L		DWS	no	
	GW5	Chloroethane		Annual		<1	ug/L		DWS	no	
	GW5	Trichlorofluoromethane		Annual		<1	110/I		DWS	no	
	GWS	1 1-Dichloroethylene		Annual			ua/I		DWS	10	
	GWS	Dichloromothana		Annual		<50	μg/L μg/l		DWS	110	
	GWS	Trans 4.2 Disklass sthese		Annual		<50	μς/ι		DWS	10	
	0005	mans-1,2-Dichloroethene		Annual	-	1	μg/L		DWS	110	
	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	ug/L		DWS	no	
	GW5	1.1.2-Trichloroethane		Annual		<1	ug/L		DWS	no	
	GW5	1 3-Dichloropropage		Annual		<1	ug/L		DWS	no	
	GW5	Tetrachloroethene		Annual		<1	110/I		DWS	no	
	GWS	Chlorodibromomothano		Annual		-1	ua/I		DWS	10	
	GWS	1.2 dibromosthono		Annual		-1	198/ - 110/ 1		DWS	110	
	GW3	Chlorobonzono		Δηριμοί		~1	μ6/L		DWS	no	
	GWS	1 1 1 2 Totrashlarasthar -	1	Annual	<u> </u>	~1	μg/L		DWS	110	
	GW5		1	Annual	+	~1	με/ ι		DWS	110	
	GW5	EtnyiBenzene		Annual		4	με/ι		DWS	no	
	GW5	M/P Xylene		Annual		<1	μg/L		DWS	no	
	GW5	O Xylene		Annuai		<1	μg/L		DWS	no	
	GW5	Styrene	ł	Annual		<1	μg/L		DWS	no	
	GW5	Bromoform	ł	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	L	<1	μg/L		DWS	no	
	GW5	1,3,5-Trimethylbenzene		Annual		<1	μg/L	1	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	1	Annual	l .	<1	μg/L		DWS	no	
	GW5	1,4-Dichlorobenzene		Annual		<1	μg/L		DWS	no	

Groundwate	er/Soil monitoring template				Lic No:	W/0023-1		Vear	2017		
0.04.14.14	GW5	1.2-Dicblorobenzene		Annual	2101101	(1	ug/I	. cui	DWS	20	
	GW5	Phonol		Annual		<1	μg/L μg/l		DWS	10	
	GWS	Dis (2 oblessethul) other		Annual		<1	μg/L		DWS	110	
	GWS	Bis (2-chloroethyr) ether		Annual		<1	μg/L		DWS	110	
	GWS	2-Chlorophenol		Annual			μg/L		DWS	no	
	GWS	1,3-Dichlorobenzene		Annual		<1	μg/L		DWS	no	
	GWS	1,4-Dichlorobenzene		Annual		<1	μg/L		DWS	no	
	GW5	1,2-Dichlorobenzene		Annual		<1	μg/L		DWS	no	
	GW5			Annual		<1	μg/L		DWS	no	
		Bis (2-chloroisopropyl) ether		A 1					51442		
	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			Annual		-1	ug/I		DW/S	no	
	9005	Bis (2-chloroethoxy) methane		Annual		~1	HQ\ r		0403	10	
	GW5	2,4-Dichlorophenol		Annual	L	<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	
	011/5	· · ·									
	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	ug/L		DWS	no	
	GW5	2 6-Dinitrotoluene		Annual		<1	ug/L		DWS	no	
	GW5	3-Nitroaniline		Annual		<1	110/I		DWS	no	
	GW5	Dibenzofuran		Annual		1	ua/I		DWS	10	
	GW5	2.4 Dipitrateluana		Annual		<1	μα/ι		DWS	110	
	GWS	2,4-Diniciotoidene		Annual		<1	μς/ι		DWS	110	
	GWS	Dietriyi pritrialate		Alliudi		~1	μg/ ι		DWS	110	
	GW5	4-Chlorophenyl phenylether		Annual		<1	μg/L		DWS	no	
	GW/5	4 Nitroapilino		Annual		-1	ug/I		DW/S	20	
	GWS	Azobonzono		Annual		<1	μg/L		DWS	110	
	6005	Azobelizelie		Anndai		~1	μ6/ -		DWS	10	
	GW5	4-Bromophenyl phenylether		Annual		<1	μg/L		DWS	no	
	GW5	Hexachlorobenzene		Annual		<1	ug/L		DWS	no	
	GW/5	Pentachlorophenol		Annual	1	<1	ug/L		DWS	no	
	GWS	Carbazole	1	Δηριμαί		<1	110/1		DWS	no	
	GW5	Di-n-hutvinhthalate	1	Δηριμαί		۰ <u>۱</u>	100/ L		DW3	10	
	GW5	Butul bonzulohtholoto	1	Annual	+	<1	με/ι	-	DWS	110	
	GWS	Dis (2. othulb	1	Annual	<u> </u>	<1	μg/L		DWS	110	
	GW5	bis (2-etnyinexyi)pritralate		Annual		<1	με/ι		DWS	no	
	GW5	Di-n-octylphthalate		Annual		<1	μg/L		DWS	110	
	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	1	Annual	l .	<0.01	μg/L		DWS	no	
	GW5	Dichlorvos		Annual		<0.01	μg/L		DWS	no	

Groundwat	ter/Soil monitori	ing 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	ug/L		DWS	no	
-		GW5	Piriminhos methyl		Annual		<0.01	ug/L		DWS	no	
		GWS	Malathion		Annual		<0.01	ма/с ца/і		DWS	10	
		GWS	Constructhion		Annual		<0.01	μα/ι		DWS	110	
		GW5	Fenitrothion		Annual		<0.01	μg/L		DWS	ho	
		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	
	İ	GW5	Simazine		Annual		<0.01	μg/L	l	DWS	no	
	1	GW5	Atrazine	1	Annual		<0.01	μg/L		DWS	no	
	1	GW5	Propazine		Δηριμαί		<0.01	10/L		DWS	no	
	1	GWS	Triotazina		Annual		<0.01	μg/L		DWS	110	
		GWS	Dromotrup		Annual		<0.01	μg/ι		DWS	no	
		GW5	Prometryn		Annual		<0.01	μg/L		DWS	no	
L		GW5	Terbutryn	1	Annual		<0.01	μg/L		DWS	no	
											Unward trend in pollutant	
	Data of	Comple location				Maximum	Auorago				concentration over last F	
	Date of	Sample location				IVIdXIIIIUIII	Average			-	concentration over last 5	
	sampling	reference	Parameter/Substance	Methodology	Monitoring frequency	Concentration++	Concentration+	unit	GTV's*	DWS	years of monitoring data	
			Ammoniacal Nitrogen			7.04	5.28					
	Mean of 2017	GW8		meter	quarterly			mg/L N	0.02NH3	DWS	no	
	Mean of 2017	GW8 GW8		meter	quarterly guarterly	33.8	33.3	mg/L N mg/L	0.02NH3	DWS DWS	no	
	Mean of 2017 Mean of 2017	GW8 GW8	Chloride	meter meter	quarterly quarterly	33.8	33.3	mg/L N mg/L	0.02NH3 250	DWS DWS	no no	
	Mean of 2017 Mean of 2017	GW8 GW8	Chloride	meter meter	quarterly quarterly	33.8	33.3	mg/L N mg/L	0.02NH3 250	DWS DWS	no	
	Mean of 2017 Mean of 2017 Mean of 2017	GW8 GW8 GW8	Chloride Conductivity	meter meter meter	quarterly quarterly quarterly	33.8 551	33.3 495.3	mg/L N mg/L μS/cm @ 200C	0.02NH3 250 1000	DWS DWS DWS	no no no	
	Mean of 2017 Mean of 2017 Mean of 2017	GW8 GW8 GW8	Chloride	meter meter meter	quarterly quarterly quarterly	33.8 551 6.6	33.3 495.3	mg/L N mg/L μS/cm @ 200C	0.02NH3 250 1000	DWS DWS DWS	no no no	
	Mean of 2017 Mean of 2017 Mean of 2017 Mean of 2017	GW8 GW8 GW8 GW8	Chloride Conductivity pH	meter meter meter titration	quarterly quarterly quarterly quarterly quarterly	33.8 551 6.6	33.3 495.3 6.6	mg/L N mg/L μS/cm @ 200C pH Unit	0.02NH3 250 1000 9.5	DWS DWS DWS DWS	no no no no	
	Mean of 2017 Mean of 2017 Mean of 2017 Mean of 2017	GW8 GW8 GW8 GW8	Chloride Conductivity pH	meter meter meter titration	quarterly quarterly quarterly quarterly	33.8 551 6.6	33.3 495.3 6.6	mg/L N mg/L μS/cm @ 200C pH Unit	0.02NH3 250 1000 9.5	DWS DWS DWS DWS	no no no	
	Mean of 2017 Mean of 2017 Mean of 2017 Mean of 2017	GW8 GW8 GW8 GW8 GW8	Chloride Conductivity pH	meter meter meter titration	quarterly quarterly quarterly quarterly quarterly	33.8 551 6.6 0.09	33.3 495.3 6.6 0.1	mg/L N mg/L μS/cm @ 200C pH Unit μg/L	0.02NH3 250 1000 9.5	DWS DWS DWS DWS DWS	no no no no	
	Mean of 2017 Mean of 2017 Mean of 2017 Mean of 2017 Mean of 2017	GW8 GW8 GW8 GW8 GW8	Chloride Conductivity pH Phenols	meter meter meter titration meter	quarterly quarterly quarterly quarterly quarterly	33.8 551 6.6 0.09	33.3 495.3 6.6 0.1	mg/L N mg/L μS/cm @ 200C pH Unit μg/L	0.02NH3 250 1000 9.5	DWS DWS DWS DWS DWS	no no no no	
	Mean of 2017 Mean of 2017 Mean of 2017 Mean of 2017 Mean of 2017 Mean of 2017	GW8 GW8 GW8 GW8 GW8 GW8	Chloride Conductivity pH Phenols Potassium	meter meter meter titration meter	quarterly quarterly quarterly quarterly quarterly quarterly	33.8 551 6.6 0.09 10.5	33.3 495.3 6.6 0.1 9.0	mg/L N mg/L μS/cm @ 200C pH Unit μg/L mg/L	0.02NH3 250 1000 9.5	DWS DWS DWS DWS DWS DWS DWS	no no no no no no	
	Mean of 2017 Mean of 2017 Mean of 2017 Mean of 2017 Mean of 2017 Mean of 2017 Mean of 2017	GW8 GW8 GW8 GW8 GW8 GW8 GW8 GW8	Chloride Conductivity pH Phenols Potassium Sodium	meter meter meter titration meter	quarterly quarterly quarterly quarterly quarterly quarterly quarterly	33.8 551 6.6 0.09 10.5 26.9	33.3 495.3 6.6 0.1 9.0 25.5	mg/L N mg/L μS/cm @ 200C pH Unit μg/L mg/L mg/L	0.02NH3 250 1000 9.5	DWS DWS DWS DWS DWS DWS DWS DWS	no no no no no no no	
	Mean of 2017 Mean of 2017	GW8 GW8 GW8 GW8 GW8 GW8 GW8 GW8 GW8	Chloride Conductivity pH Phenols Potassium Sodium	meter meter titration meter	quarterly	33.8 551 6.6 0.09 10.5 26.9 14.2	33.3 495.3 6.6 0.1 9.0 25.5 13.0	mg/L N mg/L μS/cm @ 200C pH Unit μg/L mg/L 0C	0.02NH3 250 1000 9.5	DWS DWS DWS DWS DWS DWS DWS DWS DWS	no no no no no no no	
	Mean of 2017 Mean of 2017 Mean of 2017 Mean of 2017 Mean of 2017 Mean of 2017 Mean of 2017	GW8 GW8 GW8 GW8 GW8 GW8 GW8 GW8 GW8	Chloride Conductivity pH Phenols Potassium Sodium Temperature	meter meter titration meter	quarterly	33.8 551 6.6 0.09 10.5 26.9 14.2 3.61	33.3 495.3 6.6 0.1 9.0 25.5 13.0	mg/L N mg/L μS/cm @ 200C pH Unit μg/L mg/L 0C	0.02NH3 250 1000 9.5	DWS DWS DWS DWS DWS DWS DWS DWS DWS	no no no no no no no no	
	Mean of 2017 Mean of 2017	GW8 GW8 GW8 GW8 GW8 GW8 GW8 GW8 GW8	Chloride Conductivity pH Phenols Potassium Sodium Temperature TON	meter meter titration meter	quarterly	33.8 551 6.6 0.09 10.5 26.9 14.2 3.61	33.3 495.3 6.6 0.1 9.0 25.5 13.0 1.68	mg/L N mg/L μS/cm @ 200C pH Unit μg/L mg/L 0C mg/L N	0.02NH3 250 1000 9.5	DWS	no no no no no no no no no	
	Mean of 2017 Mean of 2017 28/09/17	GW8 GW8 GW8 GW8 GW8 GW8 GW8 GW8 GW8 GW8	Chloride Conductivity pH Phenols Potassium Sodium Temperature TON Alkalinity	meter meter titration meter	quarterly	33.8 551 6.6 0.09 10.5 26.9 14.2 3.61	33.3 495.3 6.6 0.1 9.0 25.5 13.0 1.68 133	mg/L N mg/L μS/cm @ 200C pH Unit μg/L mg/L 0C mg/L N mg/L CaCO3	0.02NH3 250 1000 9.5	DWS	no no no no no no no no no no no no	
	Mean of 2017 Mean of 2017 28/09/17	GW8 GW8 GW8 GW8 GW8 GW8 GW8 GW8 GW8 GW8	Chloride Conductivity pH Phenols Potassium Sodium Temperature TON Alkalinity Orthophosphate	meter meter titration meter	quarterly Annual	33.8 551 6.6 0.09 10.5 26.9 14.2 3.61	33.3 495.3 6.6 0.1 9.0 25.5 13.0 1.68 133 0.02	mg/L N mg/L μS/cm @ 200C pH Unit μg/L mg/L 0C mg/L N mg/L N mg/L CaCO3 mg/L P	0.02NH3 250 1000 9.5	DWS	no no no no no no no no no no no no no n	
	Mean of 2017 Mean of 2017	GW8 GW8 GW8 GW8 GW8 GW8 GW8 GW8 GW8 GW8	Chloride Conductivity pH Phenols Potassium Sodium Temperature TON Alkalinity Orthophosphate pH	meter meter titration meter	quarterly Annual Annual	33.8 551 6.6 0.09 10.5 26.9 14.2 3.61	33.3 495.3 6.6 0.1 9.0 25.5 13.0 1.68 133 0.02 6.2	mg/L N mg/L μS/cm @ 200C pH Unit μg/L mg/L 0C mg/L N mg/L CaCO3 mg/L P pH Unit	0.02NH3 250 1000 9.5	DWS	no no no no no no no no no no no no no n	
	Mean of 2017 Mean of 2017 28/09/17	GW8 GW8 GW8 GW8 GW8 GW8 GW8 GW8 GW8 GW8	Chloride Conductivity pH Phenols Potassium Sodium Temperature TON Alkalinity Orthophosphate pH Sulphate	meter meter titration meter	quarterly Annual Annual Annual	33.8 551 6.6 0.09 10.5 26.9 14.2 3.61	33.3 495.3 6.6 0.1 9.0 25.5 13.0 1.68 133 0.02 6.2 15.3	mg/L N mg/L μS/cm @ 200C pH Unit μg/L mg/L mg/L 0C mg/L N mg/L CaCO3 mg/L P pH Unit mg/L P	0.02NH3 250 1000 9.5	DWS	no no no no no no no no no no no no no n	
	Mean of 2017 Mean of 2017 28/09/17	GW8 GW8 GW8 GW8 GW8 GW8 GW8 GW8 GW8 GW8	Chloride Conductivity pH Phenols Potassium Sodium Temperature TON Alkalinity Orthophosphate pH Sulphate TON	meter meter titration meter	quarterly Annual Annual Annual	33.8 551 6.6 0.09 10.5 26.9 14.2 3.61	33.3 495.3 6.6 0.1 9.0 25.5 13.0 1.68 133 0.02 6.2 15.3 10	mg/L N mg/L μS/cm @ 200C pH Unit μg/L mg/L 0C mg/L N mg/L N mg/L CaCO3 mg/L P pH Unit mg/L mg/L N	0.02NH3 250 1000 9.5	DWS	no no no no no no no no no no no no no n	
	Mean of 2017 Mean of 2017	GW8 GW8 GW8 GW8 GW8 GW8 GW8 GW8 GW8 GW8	Chloride Conductivity pH Phenols Potassium Sodium Temperature TON Alkalinity Orthophosphate pH Sulphate TON Total Phosphorus	meter meter titration meter	quarterly Annual Annual Annual Annual	33.8 551 6.6 0.09 10.5 26.9 14.2 3.61	33.3 495.3 6.6 0.1 9.0 25.5 13.0 1.68 133 0.02 6.2 15.3 10 <0.04	mg/L N mg/L μS/cm @ 200C pH Unit μg/L mg/L OC mg/L N mg/L CaCO3 mg/L P pH Unit mg/L N mg/L P	0.02NH3 250 1000 9.5	DWS	no no no no no no no no no no no no no n	
	Mean of 2017 Mean of 2017 28/09/17	GW8 GW8 GW8 GW8 GW8 GW8 GW8 GW8 GW8 GW8	Chloride Conductivity pH Phenols Potassium Sodium Temperature TON Alkalinity Orthophosphate pH Sulphate TON Total Phosphorus Boron, Dissolved	meter meter titration meter	quarterly Annual Annual Annual Annual Annual Annual Annual Annual	33.8 551 6.6 0.09 10.5 26.9 14.2 3.61	33.3 495.3 6.6 0.1 9.0 25.5 13.0 1.68 133 0.02 6.2 15.3 10 <0.04 70	mg/L N mg/L μS/cm @ 200C pH Unit μg/L mg/L 0C mg/L N mg/L CaCO3 mg/L P pH Unit mg/L N	0.02NH3 250 1000 9.5	DWS	no no no no no no no no no no no no no n	
	Mean of 2017 Mean of 2017 28/09/17	GW8 GW8 GW8 GW8 GW8 GW8 GW8 GW8 GW8 GW8	Chloride Conductivity pH Phenols Potassium Sodium Temperature TON Alkalinity Orthophosphate pH Sulphate TON Total Phosphorus Boron, Dissolved Cadmium, Dissolved	meter meter titration meter	quarterly Annual Annual Annual Annual Annual Annual Annual Annual Annual	33.8 551 6.6 0.09 10.5 26.9 14.2 3.61	33.3 495.3 6.6 0.1 9.0 25.5 13.0 1.68 133 0.02 6.2 15.3 10 <0.04 70 <1	mg/L N mg/L μS/cm @ 200C pH Unit μg/L mg/L mg/L 0C mg/L N mg/L CaCO3 mg/L P pH Unit mg/L N	0.02NH3 250 1000 9.5	DWS	no no no no no no no no no no no no no n	
	Mean of 2017 Mean of 2017 28/09/17	GW8 GW8 GW8 GW8 GW8 GW8 GW8 GW8 GW8 GW8	Chloride Conductivity pH Phenols Potassium Sodium Temperature TON Alkalinity Orthophosphate pH Sulphate TON Total Phosphorus Boron, Dissolved Cadmium, Dissolved	meter meter titration meter	quarterly Annual	33.8 551 6.6 0.09 10.5 26.9 14.2 3.61	33.3 495.3 6.6 0.1 9.0 25.5 13.0 1.68 133 0.02 6.2 15.3 10 <0.04 70 <1	mg/L N mg/L μS/cm @ 200C pH Unit μg/L mg/L OC mg/L N mg/L CaCO3 mg/L P pH Unit mg/L N mg/L P μg/L μg/L μg/L μg/L μg/L μg/L μg/L μg/L	0.02NH3 250 1000 9.5	DWS	no no no no no no no no no no no no no n	
	Mean of 2017 Mean of 2017 28/09/17	GW8 GW8 GW8 GW8 GW8 GW8 GW8 GW8 GW8 GW8	Chloride Conductivity pH Phenols Potassium Sodium Temperature TON Alkalinity Orthophosphate pH Sulphate TON Total Phosphorus Boron, Dissolved Cadmium, Dissolved Chromium, Dissolved	meter meter titration meter	quarterly Annual	33.8 551 6.6 0.09 10.5 26.9 14.2 3.61	33.3 495.3 6.6 0.1 9.0 25.5 13.0 1.68 133 0.02 6.2 15.3 10 <0.04 70 <1 <1	mg/L N mg/L mg/L μS/cm @ 200C pH Unit μg/L mg/L mg/L 0C mg/L N mg/L CaCO3 mg/L P pH Unit mg/L P pH Unit mg/L N	0.02NH3 250 1000 9.5	DWS	no no no no no no no no no no no no no n	
	Mean of 2017 Mean of 2017 28/09/17	GW8 GW8 GW8 GW8 GW8 GW8 GW8 GW8 GW8 GW8	Chloride Conductivity pH Phenols Potassium Sodium Temperature TON Alkalinity Orthophosphate pH Sulphate TON Total Phosphorus Boron, Dissolved Cadmium, Dissolved Chromium, Dissolved	meter meter meter titration meter	quarterly Annual	33.8 551 6.6 0.09 10.5 26.9 14.2 3.61	33.3 495.3 6.6 0.1 9.0 25.5 13.0 1.68 133 0.02 6.2 15.3 10 <0.04 70 <1 <1 <1 <1 <1 <1	mg/L N mg/L μS/cm @ 200C pH Unit μg/L mg/L mg/L 0C mg/L N mg/L P pH Unit mg/L P pH Unit mg/L P pH Unit mg/L P jug/L N mg/L P jug/L N mg/L P jug/L N jug/L P jug/L N	0.02NH3 250 1000 9.5	DWS	no no no no no no no no no no no no no n	
	Mean of 2017 Mean of 2017 28/09/17	GW8 GW8 GW8 GW8 GW8 GW8 GW8 GW8 GW8 GW8	Chloride Conductivity pH Phenols Potassium Sodium Temperature TON Alkalinity Orthophosphate pH Sulphate TON Total Phosphorus Boron, Dissolved Cadmium, Dissolved Chormium, Dissolved Cobalt, Dissolved	meter meter meter titration meter	quarterly Annual	33.8 551 6.6 0.09 10.5 26.9 14.2 3.61	33.3 495.3 6.6 0.1 9.0 25.5 13.0 1.68 133 0.02 6.2 15.3 10 <0.04 70 <1 <1 <1 <1 <1 0.77	mg/L N mg/L μS/cm @ 200C pH Unit μg/L mg/L 0C mg/L N mg/L CaCO3 mg/L P pH Unit mg/L mg/L P pH Unit mg/L mg/L Q mg/L P pH Unit mg/L P μg/L	0.02NH3 250 1000 9.5	DWS	no no no no no no no no no no no no no n	
	Mean of 2017 Mean of 2017 28/09/17	GW8 GW8	Chloride Conductivity pH Phenols Potassium Sodium Temperature TON Alkalinity Orthophosphate pH Sulphate TON Total Phosphorus Boron, Dissolved Cadmium, Dissolved Chomium, Dissolved Cobalt, Dissolved Cobalt, Dissolved	meter meter titration meter	quarterly Annual Annual	33.8 551 6.6 0.09 10.5 26.9 14.2 3.61	33.3 495.3 6.6 0.1 9.0 25.5 13.0 1.68 133 0.02 6.2 15.3 10 <0.04 70 <1 <1 <1 <1 <1 0.055	mg/L N mg/L mg/L μS/cm @ 200C pH Unit μg/L mg/L mg/L 0C mg/L N mg/L CaCO3 mg/L P pH Unit mg/L mg/L N mg/L QL mg/L N mg/L mg/L N mg/L mg/L P µg/L µg/L µg/L µg/L µg/L µg/L µg/L µg/L µg/L	0.02NH3 250 1000 9.5	DWS	no no no no no no no no no no no no no n	

Groundwate	er/Soil monitori	na tomnlato				Lic No:	W/0023-1		Voor	2017		
Groundwate	er/son monitori	CWO	Manager Disasterd		Ammunel	LIC NO.	0.10		Tear	2017		-
		GW8	ivialigatiese, bissolveu		Allitual		0.18	IIIg/L		DVV3	110	
		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	ug/L		DWS	no	
		GW8	Arsenic, Dissolved		Annual		1	ug/L		DWS	no	
		GW/8	Barium Dissolved		Appual		2	11g/l		DWS	no	
		GW8	Bondlium, Dissolved		Annual			46/ - ug/l		DWS	10	
		GW8	Berylluni, Dissolveu		Annual		<1	με/ι		DWS	110	
		GW8	Molybdenum, Dissolved		Annual		<1	μg/L		DWS	ho	
		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	ug/L		DWS	no	
		GW/8	Acenanbthene		Appual		0.01	10/1		DWS	no	
		GW8	Flourene		Annual		0.01	46/ - ug/l		DWS	10	
		CW/8	Dhananthrong		Annual		0.01	μα/ι		DWS	110	
		GWo	Phenantinene		Annual		0.01	μg/L		DWS	110	
		GW8	Anthracene		Annual		<0.01	μg/L		DWS	ho	
		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)pervlene		Annual		<0.01	μg/L		DWS	no	
		GW8	PAH (Total)		Annual		0.03	μg/L		DWS	no	
		GW/8	Dichlorodifluoromethane		Appual		<1	10/1		DWS	no	
		GW/9	Chloromethane		Δηριμοί			100/L		D\\/S	no	
		CW/8	Visud shlarida		Annual		<1	μα/ι		DWS	110	
F	<u>⊦</u> ∤	CIVIO	Promora the set		Annual		~1	μς/ι		DWS	10	
<u> </u>		GW8	Bromometnane		Annual			μg/L		DWS	no	
		GW8	Chloroethane		Annual		<1	μg/L		DWS	no	
L		GW8	Trichlorofluoromethane		Annual		<1	μg/L		DWS	no	
L		GW8	1,1-Dichloroethylene		Annual		<1	μg/L		DWS	no	
		GW8	Dichloromethane		Annual		<50	μg/L		DWS	no	
L		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	
	1	GW8	Bromochloromethane		Annual		<1	μg/L		DWS	no	
	1	GW8	1.1.1-Trichloroethane		Annual		<1	µg/L	ĺ	DWS	no	
	† †	GW/8	1.1-Dichloropropene		Annual		<1	ug/I		DW/S	no	
		GW/8	Carbon tetrachloride		Δηριμαί		<1	110/L		DW/S	no	
		GW/0	1.2-Dichloroothano		Annual		~1	μ6/ C		DW3	no	
F	<u>⊦</u>	CW/8	1,2-DichiolOethane		Annual		~1	μg/L		DWS	10	
		GWð	Benzene		Annual		< <u>1</u>	μg/ L		DVVS	no	
		CIV/9			Annual		-1	110/1		DIAK	00	
		GW8	1.2 Dichleronronone		Annual		<1	μg/L		0005	110	
1	1		1,2-Dichloropropane	1	1	1						

Groundwat	er/Soil monitoring t	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

Click here to access EPA guidance on Enviro

Lic No:

W0023-1

Year

2017

access EPA guidance on Environmental Liabilities and Financial
provision

			Commentary
1	FI RA initial agreement status		
-		Cubasitized and several by EDA	Cite Onemational
		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 Programm	e template	Lic No:	W0023-1	Year	2017			
	Highlighted cells contain dropdown menu click to view		Additional Informa	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 2008. It includes description, T Engineering det mar	l and retained on site on an annual basis since sections on Use of manual, Site location and Types of waste accepted and procedures, ails, Control of nuisance and Environmental agement 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
	remove and replace the				
	existing Office building				
Additional improvements	between 2017 and 2018	50		Individual	Installation of infrastructure
	increase recycling of				
	materials during customers				
	Visits through education				
Additional improvements	and school visits 2017-2019	50		Individual	Installation of infrastructure
	to reduce energy usage on				Improved Environmental
Energy Efficiency/Utility conservation	site	60	energy	Individual	Management Practices
	assess the existing gabion				
	structure on site and repair				
Additional improvements	if necessary, 2017 - 2018	50		Individual	Installation of infrastructure

Noise monitoring summary report	Lic No:	W0023-1	Year

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

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?

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 last noise survey?

Table N1: No	ise 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 <u>site</u> 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

2017

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

Any additional comments? (less than 200 words)



Yes

Resource Usage/	Energy efficiency summary	Lic No:	W0023-1	Year	2017
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SEAI - Large Industry Energy

no

SELECT

Additional information

N/A

2007

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 such as the SEAI programme linked to the right? If yes please list them in additional information

2 such as the SEAI programme linked to the right? If yes please list them in additional information <u>Network (LIEN)</u> Where Fuel Oil is used in boilers on site is the sulphur content compliant with licence conditions? Please state percentage in additional information

Table R1 Energy usag	e 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)	0.031	0.0289	-8.73%	
Total Energy Generated (MWHrs)				
Total Renewable Energy Generated (MWHrs)			
Electricity Consumption (MWHrs)	0.031	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

31,687	28,922	-2,765
		-8.73

* 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	e on site				Water Emissions	Water Consumption	
							Volume used i.e not	
				Production +/- %	Energy		discharged to	
				compared to	Consumption +/- %	Volume Discharged	environment e.g.	
		Water extracted	Water extracted	previous reporting	vs overall site	back to	released as steam	
W	Vater use	Previous year m3/yr.	Current year m3/yr.	year**	production*	environment(m ³ yr):	m3/yr	Unaccounted for Water:
G	iroundwater							
Sı	urface water							
P	ublic supply	Not metered		0	0) 49		
R	ecycled water							
Т	otal							

* 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)	0				
Non-Hazardous (Tonnes)	0				

Resource	Usage/E	nergy eff	ficiency	summa
----------	---------	-----------	----------	-------

ce Usage/Energy efficiency su	immary			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						
		Additional inform	nation			
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					

Table 1	L 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							
Total new							
complaints received							
during reporting							
year							
Total complaints							
closed during							
reporting year							
Balance of							
complaints end of							
reporting year							

	Incidents								
				Additional information					
Have any incidents occurred on site in the current repo	lave any incidents occurred on site in the current reporting year? Please list all incidents for current reporting								
year in Tal	year in Table 2 below No								
		•		<u>. </u>					
For information on now to report and what									
constitutes an incident	What is an incident								

Table 2 Incidents summary														
						Other	Activity in				Preventative			
			Incident category*please			cause(please	progress at			Corrective action<20	action <20		Resolution	Liklihood of
Date of occurrence	Incident nature	Location of occurrence	refer to guidance	Receptor	Cause of incident	specify)	time of incident	Communication	Occurrence	words	words	Resolution status	date	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 SUMMAR	Y			Lic No:	W0023-1	Year	2017			4
SECTION A-PRTR C	ON SITE WASTE TREATMEN	NT AND WASTE TRANSFER	S TAB- TO BE COMPLETED BY ALL IPPC	AND WASTE FACILITIES	PRTR facility logon	dropdown I	ist click to see options			
Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year) Description of Waste	Waste Treatment Operation	Method Used	Location of Treatment	Haz Waste : Name and Licence/Permit No of Next Destination Facility <u>Non 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 Destination i. Recovery / Disp (HAZARDOUS ONLY)
Within the Country	12.02.06	Vor	synthetic engine, gear	P0	M Weinhed	Officito in Iroland		ENVA ,Clonminam Industrial Estate ,Portlaoise,Irel	ENVA ,W0184- 01,ENVA ,Clonminam Industrial Estate ,Portlaoise.,.,Irela	ENVA ,Clor Industrial E ,Portlaoise.
nanin the Country	13 02 00	Tes	paper and cardboard	ng	w weighed	Onsite in reland	Greenstar Limited, WL 136-2;	Sarsfield Court ,Glanmire ,Co. Cork	nu	u
ithin the Country	15 01 01	No	98.12 packaging	R5	M Weighed	Offsite in Ireland	CKWMC 20/04 Green Dragon Recycling,CK3	,Cork,Ireland Corbally North ,Glanmire		
lithin the Country	15 01 02	No	32.78 plastic packaging	R13	M Weighed	Offsite in Ireland	46/03 CKMWC 183/03 Green Dragon Recycling,CK3 46/03 CKMWC 183/03	,Cork.,.,Ireland Corbally North ,Glanmire Cork Ireland		
Vithin 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		
Vithin 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 Kilmallock ,Co.		
ithin the Country	15 01 07	No	61.88 glass packaging	R5	M Weighed	Offsite in Ireland	Mr. Binman,W0061-01	,Limerick,,Irelan d	ENVA ,WU184-	
Vithin 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.,.,Irel and	01,ENVA ,Clonminam Industrial Estate ,Portlaoise.,.,Irela nd KMK Metals ,W0133- 03 Cappingur	ENVA ,Clo Industrial E ,Portlaoise d
/ithin the Country	16 06 01	Yes	0.383 lead batteries mixture of concrete, bricks, tiles and ceramics other than	R6	M Weighed	Offsite in Ireland	KMK Metals ,W0133-03	Industrial Estate ,Daingean Road ,Tullamore ,Co. Offaly,Ireland Ballineen Skip Hire,Ballineen ,Co.	Industrial Estate ,Daingean Road ,Tullamore ,Co. Offaly,Ireland	,Daingean ,Tullamore Offaly,Irel
/ithin the Country	17 01 07	No	those mentioned in 17 1010.62 01 06	R5	M Weighed	Offsite in Ireland	Ballineen Skip Hire,CK-0054-01	Cork,Cork,Irelan d Gynsum		
			gypsum-based construction materials other than those				Gypsum Recycling Ireland Ltd	Recycling Ireland Ltd ,First Floor ,Milennium House ,Main Street Tullamore Co.		
White the Occurry	17 08 02	No	69.36 mentioned in 17 08 01 landfill leachate other than those mentioned	R5	M Weighed	Offsite in Ireland	,W0140-3 Carrigtwohill wastewater	Offaly ,Ireland Carrigtwohill ,,Co		
itnin the Country	19 07 03	NO	/9.34 11 19 0/ 02	KI2	M Weigned	Offsite in Ireland	Killarnev Waste Disposal -	Aughacureen,Kil larney ,Co Kerry Kerry Irela		
/ithin the Country	20 01 01	No	121.24 paper and cardboard	R13	M Weighed	Offsite in Ireland	KWD,W0217-01	nd 41 Cookstown		
ithin the Country	20 01 02	No	42.18 glass	R5	M Weighed	Offsite in Ireland	MSM Recycling ,W0079-01 Textile Recycling Ltd.,Charity no	Industrial Estate ,Tallaght ,Co. Dublin.,.,Ireland Glen Abbey Complex ,Belgard Road ,Tallaght ,Dublin		
ithin the Country	20 01 11	No	14.72 textiles paint, inks, adhesives and resine other than	R5	M Weighed	Offsite in Ireland	number	24.,Ireland ENVA ,Clonminam		
/ithin the Country	20 01 28	No	those mentioned in 20 15.74 01 27	B2	M Weighed	Offsite in Ireland	ENVA .IPC 472 WMC 16/01	,Portlaoise.,.,Irel		

WASTE SUMMAR	RY			Lic No:	W0023-1		Year	2017			
Within the Country	20 01 34	No	batteries and accumulators other than those mentioned in 20 01 33	R6	м	Weighed	Offsite in Ireland	KMK Metals ,W0133-03	Cappincur Industrial Estate ,Daingean Road ,Tullamore ,Co. Offaly,Ireland		
Within the Country	20 01 36	No	discardos electronic equipment other than those mentioned in 20 01 21, 276.14 20 01 23 and 20 01 35	R4	м	Weighed	Offsite in Ireland	KMK Metals ,W0133-03	Cappincur Industrial Estate ,Daingean Road ,Tullamore ,Co. Offaly,Ireland		
Within the Country	20 01 38	No	wood other than that 617.24 mentioned in 20 01 37	R3	М	Weighed	Offsite in Ireland	CTO Environmental Solutions,CK(S)283/06	Insale Road Iandfill ,blackash ,Cork City,Cork ,Ireland		
Within the Country	20 01 40	No	170.84 metals	R4	М	Weighed	Offsite in Ireland	08/01 CTO Environmental	Cork.,,,,Ireland		
Within the Country	20.02.01	Ne	740.00 biodogradable wante	D2		Weished	Offeite in Ireland	Solutions, W0012-02 Kinsale Road Landfill & Rostellan (CK(S) 283/06 & Cork County Council Bandon Recycling Contro (R 1606)	Solutions ,Kinsale Road Landfill ,Kinsale Road		
Within the Country	20 02 01	No	502.64 mixed municipal waste		IVI	Weighed	Offeite in Ireland	Greenstar Limited,WL 136-2;	Sarstield Court ,Glanmire ,Co. Cork		
Within the Country	20 03 07	No	1480 59 hilky waste	B3	м	Weighed	Offsite in Ireland	Greenstar Limited, WL 136-2;	Sarsfield Court ,Glanmire ,Co. Cork		
Within the Country	16.06.04	No	alkaline batteries	P4		Weighod	Offeito in Ireland	KMK Metale W0133-03	Cappincur Industrial Estate ,Daingean Road ,Tullamore ,Co.		
while and oddina y	10 00 04		1.02 (0.000) 10 00 00)			Weighed			Cappincur Industrial Estate ,Daingean Road ,Tullamore ,Co.		
Within the Country	16 06 02	Yes	0.032 Ni-Cd batteries	R4	м	Weighed	Offsite in Ireland	KMK Metals ,W0133-03	Offaly,Ireland	Rilta,W0192- 3,Block 402 Grants	Recyfuel SA,Zoning
Within the Country	20 01 26	Yes	oil and fat other than those mentioned in 20 2.4 01 25	R1	м	Weighed	Offsite in Ireland	Lehane Environmental,WCP-CK 08-0574-02	Ind. Est.,Little Island,Cork,Cork ,Ireland 1-3 Wallingstown	Business Park,Rathcoole,C o. Dublin,Ireland	D'Ehein,B- 4480,Engis,Belç m
Within the Country	16 07 08	Yes	0.5 wastes containing oil packaging containing	R1	м	Weighed	Offsite in Ireland	Lehane Environmental,WCP-CK 08-0574-02	Ind. Est.,Little Island,Cork,Cork ,Ireland 1-3 Wallingstown		
Within the Country	15 01 10	Yes	residues of or contaminated by 0.095 dangerous substances nuorescent tubes and other mercury-	R1	М	Weighed	Offsite in Ireland	Lehane Environmental,WCP-CK 08-0574-02	Ind. Est.,Little Island,Cork,Cork ,Ireland Cappincur Industrial Estate		
Within the Country	20 01 21	Yes	0.34 containing waste	R4	м	Weighed	Offsite in Ireland	KMK Metals ,W0133-03	Daingean Road		
Within the Country	20 01 25	No	0.14 edible oil and fat	R9	М	Weighed	Offsite in Ireland	Frylite,WFP-CK-11-0092	Park,Little		

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 1 boundaries is to be captured through PRTR reporting)

If yes please enter details in table 1 below

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

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

Additional Information
SELECT

SELECT	
SELECT	

WASTE SUMMARY	1				Lic No:	W0023-1		Year	2017		
Table 1 Details o	of waste accepted onto y	our site for recovery,	disposal or treatn	nent (do not inclu	ude wastes generated at yo	ur site, as tl	nese will have l	been reported in	your PRTR workbook)		
Licenced annual	EWC code	Source of waste accepted	Description of waste	Quantity of waste	Quantity of waste accepted in previous	Reduction/Incr	Reason for	Packaging Content (%)-	Disposal/Recovery or treatment	Quantity of	Comments -
tonnage limit for your			accepted	accepted in current	reporting year (tonnes)	ease over	reduction/increase	only applies if the waste	operation carried out at your	waste remaining	
site (total			Please enter an accurate	reporting year (tonnes)		previous year	from previous	has a packaging	site and the description of this	on site at the	
tonnes/annum)			and detailed description	-		+/ - %	reporting year	component	operation	end of reporting	
			which applies to							year (tonnes)	
	European Waste Catalogue EWC		European Waste								
	<u>codes</u>		Catalogue EWC codes								
1				1				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

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	Lined disposal area occupied by waste	Unlined area	Comments on liner type
										SELECT UNIT	SELECT UNIT	SELECT UNIT	
Cell 8													

SELECT		
SELECT		

WASTE SUMMARY					Lic No:	W0023-1		Year
able 4 Environme	ntal monitoring-landfill on	Landfill Manual-Monitoring Stan	dards					•
	8							
Was meterological							Has the statement	
monitoring in			Was SW monitored in			Was topography	under S53(A)(5) of	
compliance with Landfill	Was leachate monitored in	Was Landfill Gas monitored in	compliance with LD			of the site	WMA been	
Directive (LD) standard	compliance with LD standard in	compliance with LD standard in	standard in reporting	Have GW trigger levels	Were emission limit values agreed with	surveyed in	submitted in	
n reporting year +	reporting year	reporting year	year	been established	the Agency (ELVs)	reporting year	reporting year	Comments
+ please refer to Landfill	Manual linked above for relevant	Landfill Directive monitoring stan	dards					
Table 5 Capping-La	ndfill only							
	,							
				Area with waste that				
Area uncapped*	Area with temporary cap			should be permanently				
SELECT UNIT	SELECT UNIT	Area with final cap to LD		capped to date under				
		Standard m2 ha, a	Area capped other	licence	What materials are used in the cap	Comments		

Yes

*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?

10 Is leachate released to surface water? If yes please complete leachate mass load information below

						Specify type of	
Volume of leachate in	Leachate (BOD) mass load	Leachate (COD) mass load	Leachate (NH4) mass	Leachate (Chloride)		leachate	
reporting year(m3)	(kg/annum)	(kg/annum)	load (kg/annum)	mass load kg/annum	Leachate treatment on-site	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			Was surface emissions monitoring performed during the reporting	
by LFG System m3	Power generated (MW / KWh)	Used on-site or to national grid	year?	Comments
			SELECT	