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Table heading *	table headings followed by a symb
Cells with red indicator in top right corner	cells that have a red indicator in th

tain a dropdown menu click to select one option from the list

click to access relevant guidance documents for this section

ool have an associated footnote or instructions

ne top right corner contain a comment box with further instructions or clarification

Facility Information Summary	
AER Reporting Year	2016
Licence Register Number	W0023-1
Name of site	RAFFEEN CAS AND LANDFILL (CLOSED)
Site Location	Cork County Council, Raffeen, Monkstown, CO. Cork
NACE Code	3821
Class/Classes of Activity	5(c), 5(d), 50.1
National Grid Reference (6E, 6 N)	1751E 0654N

A description of the activities/processes at the site for the reporting year. This should include information such as production increases or decreases on site, any infrastructural changes, environmental performance which was measured during the reporting year **and an overview of compliance with your licence** listing all exceedances of licence limits (where applicable) and what they relate to e.g. air, water, noise.	Raffeen CAS is a recycling facility that accepts household materials such as Domestic waste, food cans, beverage cans, glass bottles, rubble/DIY, paper, Cardboard, Newpapers and Magazines, Paint, Batteries, Waste Engine Oil, Fluorescent Tubes, Scrap Metal, Timber, Flat Glass, Green Waste, Textiles, Waste Cooking Oil & WEEE. The CAS has been open to the public for recycling and disposal since late 2005. The attached landfill was in operation from 1979 until -October 2001. No complaints were made against the facility during 2016. Overall the site has been compliant with its licence

Declaration:

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

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

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Answer all questions and complete all tables where relevant

			Additional information
1	Does your site have licensed air emissions? If yes please complete table A1 and A2 below for the current reporting year and answer further questions. If **you do not have** licenced emissions and **do not complete a solvent management plan** (table A4 and A5) you do not need to complete the tables	Yes	

Periodic/Non-Continuous Monitoring

2	Are there any results in breach of licence requirements? If yes please provide brief details in the comment section of TableA1 below	No	
3	Was all monitoring carried out in accordance with EPA guidance note AG2 and using the basic air monitoring checklist? (Basic air monitoring checklist / AGN2)	Yes	

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

Emission reference no:	Parameter/ Substance	Frequency of Monitoring	ELV in licence or any revision therof	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence limit	Method of analysis	Annual mass load (kg)	Comments -reason for change in % mass load from previous year if applicable
Flare Stack	Methane (CH4)	Continuous	N/A	SELECT	62914	m3	yes	MAB		
Flare Stack	Carbon dioxide (CO2)	Continuous	N/A	SELECT	45101	m3	yes	ISO 12039:2001		
Flare Stack	Carbon monoxide (CO)	Continuous	<50mg/Nm3	No 30min mean can exceed the ELV	36.64	mg/Nm3	yes	ISO 12039:2001		
Flare Stack	Nitrogen oxides (NOx/NO2)	Annual	<150mg/Nm3	No 30min mean can exceed the ELV	18	mg/Nm3	yes	EN 14792:2005		
Flare Stack	Sulphur oxides (SOx/SO2)	Annual	N/A	SELECT	149	mg/Nm3	yes	EN 14791:2005		
	SELECT			SELECT		SELECT	SELECT	SELECT		

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

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Continuous Monitoring

4	Does your site carry out continuous air emissions monitoring?	Yes	
	If yes please review your continuous monitoring data and report the required fields below in Table 3 and compare it to its relevant Emission Limit Value (ELV)		
5	Did continuous monitoring equipment experience downtime? If yes please record downtime in table 3 below	Yes	
6	Do you have a proactive service agreement for each piece of continuous monitoring equipment?	Yes	
7	Did your site experience any abatement system bypasses? If yes please detail them in table 4 below	No	

Table A2: Summary of average emissions -continuous monitoring

Emission reference no:	Parameter/ Substance	ELV in licence or any revision therof	Averaging Period	Compliance Criteria	Units of measurement	Annual Emission	Annual maximum	Monitoring Equipment downtime (hours)	Number of ELV exceedences in current reporting year	Comments
Flare Stack	Methane (CH4)	Continuous	N/A	SELECT	m3	62,914	m3	yes	MAB	
Flare Stack	Carbon dioxide (CO2)	Continuous	N/A	SELECT	SELECT		m3	yes	ISO 12039:2001	
Flare Stack	Carbon monoxide (CO)	Continuous	<50mg/Nm3	No 30min mean can exceed the ELV	SELECT	36.64	mg/Nm3	yes	ISO 12039:2001	
Flare Stack	Nitrogen oxides (NOx/NO2)	Annual	<150mg/Nm3	No 30min mean can exceed the ELV	SELECT	18	mg/Nm3	yes	EN 14792:2005	
Flare Stack	Sulphur oxides (SOx/SO2)	Annual	N/A	SELECT	SELECT	148.78	mg/Nm3	yes	EN 14791:2005	

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

Table A3: Abatement system bypass reporting table

Bypass protocol

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

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

** an accurate record of time bypass beginning and end should be logged on site and maintained for future Agency inspections please refer to bypass protocol link

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Solvent use and management on site

8 Do you have a total Emission Limit Value of direct and fugitive emissions on site? if yes please fill out tables A4 and A5

SELECT

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

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

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

Table A5: Solvent Mass Balance summary

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

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

Table W1 Surface water monitoring

Location reference	Location relative to site activities	PRTR Parameter	Licenced Parameter	Monitoring date	ELV or trigger level in licence or any revision thereof*	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Comments
SW1		SELECT	Ammonia (as N)	01/08/16		N/A	0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	01/12/16		N/A	<0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	22/01/160		N/A	0.03	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	27/01/2016		N/A	<0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	02/05/16		N/A	0.32	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	02/11/16		N/A	0.03	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	19/02/2016		N/A	0.03	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	25/202/2016		N/A	0.03	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	03/01/16		N/A	<0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	03/08/16		N/A	<0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	14/03/2016		N/A	0.05	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	23/03/2016/		N/A	0.05	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	**04/01/16**		N/A	0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	04/08/16		N/A	<0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	11/04/206		N/A	0.05	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	21/04/2016		N/A	<0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	25/04/2016		N/A	0.04	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	05/06/16		N/A	0.03	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	05/11/16		N/A	0.07	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	20/05/2016		N/A	0.03	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	23/05/2016		N/A	0.03	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	06/03/16		N/A	0.06	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	06/08/16		N/A	0.04	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	14/6/2016		N/A	0.07	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	21/6/2016		N/A	0.03	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	30/6/2016		N/A	0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	07/04/16		N/A	0.03	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	14/7/2016		N/A	0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	21/7/2016		N/A	0.06	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	26/7/2016		N/A	0.06	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	08/05/16		N/A	0.05	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	15/8/2016		N/A	0.04	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	23/8/2016		N/A	0.2	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	31/8/2016		N/A	0.06	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	09/05/16		N/A	0.03	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	15/9/2016		N/A	<0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	20/9/2016		N/A	<0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	30/9/2016		N/A	<0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	10/04/16		N/A	0.25	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	13/10/2016		N/A	0.04	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	19/10/2016		N/A	0.01	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	01/01/16		N/A	0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	01/08/16		N/A	<0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	16/11/2016		N/A	0.03	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	24/11/2016		N/A	0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	29/11/2016		N/A	0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	12/07/16		N/A	0.04	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	14/12/2016		N/A	0.08	mg/L	SELECT	WEEKLY
SW2		SELECT	Ammonia (as N)	01/08/16		N/A	38	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	01/12/16		N/A	34.9	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	22/01/160		N/A	33.3	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	27/01/2016		N/A	26.4	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	02/05/16		N/A	37.1	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	02/11/16		N/A	32.3	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	19/02/2016		N/A	27.7	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	25/202/2016		N/A	31.9	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	03/01/16		N/A	22.6	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	03/08/16		N/A	32.7	mg/L	SELECT	WEEKLY

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		SELECT	Ammonia (as N)	14/03/2016		N/A	32.2	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	23/03/2016/		N/A	30.4	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	**04/01/16**		N/A	28.9	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	04/08/16		N/A	27.5	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	11/04/206		N/A	27.1	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	21/04/2016		N/A	21.1	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	25/04/2016		N/A	29.4	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	05/06/16		N/A	29.5	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	05/11/16		N/A	26.9	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	20/05/2016		N/A	1.43	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	23/05/2016		N/A	26.1	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	06/03/16		N/A	24.2	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	06/08/16		N/A	26.4	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	14/6/2016		N/A	22.9	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	21/6/2016		N/A	24.1	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	30/6/2016		N/A	21.2	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	07/04/16		N/A	24.1	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	14/7/2016		N/A	41	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	21/7/2016		N/A	26.5	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	26/7/2016		N/A	26.8	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	08/05/16		N/A	24.8	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	15/8/2016		N/A	25.4	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	23/8/2016		N/A	25.6	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	31/8/2016		N/A	24.7	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	09/05/16		N/A	22.5	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	15/9/2016		N/A	1.06	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	20/9/2016		N/A	20.4	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	30/9/2016		N/A	21.1	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	10/04/16		N/A	20.8	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	13/10/2016		N/A	24.9	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	19/10/2016		N/A	20.3	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	28/10/2016		N/A	22.5	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	01/01/16		N/A	26.9	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	01/08/16		N/A	22.5	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	16/11/2016		N/A	23.7	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	24/11/2016		N/A	22.3	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	29/11/2016		N/A	22.5	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	12/07/16		N/A	20.9	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	14/12/2016		N/A	19.9	mg/L	SELECT	WEEKLY
SW2A		SELECT	Ammonia (as N)	01/08/16		N/A	1.16	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	01/12/16		N/A	1.24	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	22/01/160		N/A	0.69	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	27/01/2016		N/A	0.74	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	02/05/16		N/A	1.42	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	02/11/16		N/A	0.72	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	19/02/2016		N/A	0.57	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	25/202/2016		N/A	0.76	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	03/01/16		N/A	0.6	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	03/08/16		N/A	0.81	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	14/03/2016		N/A	0.66	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	23/03/2016/		N/A	0.49	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	**04/01/16**		N/A	0.35	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	04/08/16		N/A	0.26	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	11/04/206		N/A	0.23	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	21/04/2016		N/A	0.42	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	25/04/2016		N/A	0.5	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	05/06/16		N/A	0.57	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	05/11/16		N/A	0.42	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	20/05/2016		N/A	0.52	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	23/05/2016		N/A	0.54	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	06/03/16		N/A	0.56	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	06/08/16		N/A	2.11	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	14/6/2016		N/A	0.38	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	21/6/2016		N/A	0.76	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	30/6/2016		N/A	0.39	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	07/04/16		N/A	0.39	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	14/7/2016		N/A	0.43	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	21/7/2016		N/A	0.48	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	26/7/2016		N/A	0.48	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	08/05/16		N/A	0.36	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	15/8/2016		N/A	0.32	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	23/8/2016		N/A	0.32	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	31/8/2016		N/A	0.29	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	09/05/16		N/A	0.5	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	15/9/2016		N/A	0.12	mg/L	SELECT	WEEKLY

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		SELECT	Ammonia (as N)	20/9/2016		N/A	0.11	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	30/9/2016		N/A	0.11	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	10/04/16		N/A	0.18	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	13/10/2016		N/A	0.16	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	19/10/2016		N/A	0.1	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	28/10/2016		N/A	0.16	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	01/01/16		N/A	0.17	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	01/08/16		N/A	0.2	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	16/11/2016		N/A	0.89	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	24/11/2016		N/A	0.19	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	29/11/2016		N/A	0.65	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	12/07/16		N/A	0.26	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	14/12/2016		N/A	0.37	mg/L	SELECT	WEEKLY
SW2B		SELECT	Ammonia (as N)	01/08/16		N/A	7.25	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	01/12/16		N/A	7.09	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	22/01/160		N/A	2.96	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	27/01/2016		N/A	3.77	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	02/05/16		N/A	8.16	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	02/11/16		N/A	5.58	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	19/02/2016		N/A	3.39	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	25/202/2016		N/A	14.5	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	03/01/16		N/A	3.3	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	03/08/16		N/A	9.46	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	14/03/2016		N/A	15.2	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	23/03/2016/		N/A	10.7	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	**04/01/16**		N/A	5.47	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	04/08/16		N/A	8.27	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	11/04/206		N/A	2.72	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	21/04/2016		N/A	7.08	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	25/04/2016		N/A	3.96	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	05/06/16		N/A	2.34	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	05/11/16		N/A	2.68	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	20/05/2016		N/A	1.78	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	23/05/2016		N/A	1.82	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	06/03/16		N/A	2.96	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	06/08/16		N/A	1.71	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	14/6/2016		N/A	13.5	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	21/6/2016		N/A	13.7	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	30/6/2016		N/A	16.1	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	07/04/16		N/A	11.5	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	14/7/2016		N/A	11.1	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	21/7/2016		N/A	6.43	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	26/7/2016		N/A	16.5	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	08/05/16		N/A	16.5	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	15/8/2016		N/A	13.6	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	23/8/2016		N/A	5.59	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	31/8/2016		N/A	4.87	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	09/05/16		N/A	5.25	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	15/9/2016		N/A	9.75	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	20/9/2016		N/A	5.96	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	30/9/2016		N/A	8.59	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	10/04/16		N/A	0.57	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	13/10/2016		N/A	0.48	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	19/10/2016		N/A	7.79	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	28/10/2016		N/A	6.88	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	01/01/16		N/A	3.82	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	01/08/16		N/A	1.82	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	16/11/2016		N/A	1.86	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	24/11/2016		N/A	8.48	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	29/11/2016		N/A	4.47	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	12/07/16		N/A	0.89	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	14/12/2016		N/A	1.15	mg/L	SELECT	WEEKLY
SW3		SELECT	Ammonia (as N)	01/08/16		N/A	5.84	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	01/12/16		N/A	4.87	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	22/01/160		N/A	2.53	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	27/01/2016		N/A	1.88	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	02/05/16		N/A	6.34	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	02/11/16		N/A	4.07	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	19/02/2016		N/A	3.11	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	25/202/2016		N/A	4.94	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	03/01/16		N/A	2.8	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	03/08/16		N/A	4.57	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	14/03/2016		N/A	6.53	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	23/03/2016/		N/A	7.22	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	**04/01/16**		N/A	5.45	mg/L	SELECT	WEEKLY

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		SELECT	Ammonia (as N)	04/08/16		N/A	2.89	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	11/04/206		N/A	2.1	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	21/04/2016		N/A	3.95	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	25/04/2016		N/A	4.7	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	05/06/16		N/A	12.5	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	05/11/16		N/A	4.85	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	20/05/2016		N/A	8.09	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	23/05/2016		N/A	12.6	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	06/03/16		N/A	9.12	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	06/08/16		N/A	9.28	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	14/6/2016		N/A	8.24	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	21/6/2016		N/A	8.3	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	30/6/2016		N/A	12.2	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	07/04/16		N/A	10.8	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	14/7/2016		N/A	10.2	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	21/7/2016		N/A	12.2	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	26/7/2016		N/A	12.6	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	08/05/16		N/A	13.1	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	15/8/2016		N/A	12.6	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	23/8/2016		N/A	13	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	31/8/2016		N/A	15.5	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	09/05/16		N/A	11.4	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	15/9/2016		N/A	6.89	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	20/9/2016		N/A	5.25	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	30/9/2016		N/A	3.28	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	10/04/16		N/A	4.48	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	13/10/2016		N/A	5.43	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	19/10/2016		N/A	1.12	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	28/10/2016		N/A	6.03	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	01/01/16		N/A	4.29	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	01/08/16		N/A	4.95	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	16/11/2016		N/A	5.64	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	24/11/2016		N/A	6.4	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	29/11/2016		N/A	7.41	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	12/07/16		N/A	4.96	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	14/12/2016		N/A	3.32	mg/L	SELECT	WEEKLY
SW4		SELECT	Ammonia (as N)	01/08/16		N/A	0.19	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	01/12/16		N/A	0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	22/01/160		N/A	0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	27/01/2016		N/A	0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	02/05/16		N/A	0.33	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	02/11/16		N/A	0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	19/02/2016		N/A	0.04	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	25/202/2016		N/A	0.04	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	03/01/16		N/A	<0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	03/08/16		N/A	<0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	14/03/2016		N/A	0.05	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	23/03/2016/		N/A	0.07	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	**04/01/16**		N/A	0.03	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	04/08/16		N/A	<0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	11/04/206		N/A	0.06	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	21/04/2016		N/A	,0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	25/04/2016		N/A	0.05	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	05/06/16		N/A	0.05	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	05/11/16		N/A	0.09	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	20/05/2016		N/A	0.1	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	23/05/2016		N/A	0.05	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	06/03/16		N/A	0.06	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	06/08/16		N/A	0.03	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	14/6/2016		N/A	0.12	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	21/6/2016		N/A	0.012	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	30/6/2016		N/A	0.08	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	07/04/16		N/A	0.07	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	14/7/2016		N/A	0.08	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	21/7/2016		N/A	0.1	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	26/7/2016		N/A	0.08	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	08/05/16		N/A	0.09	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	15/8/2016		N/A	0.05	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	23/8/2016		N/A	0.17	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	31/8/2016		N/A	0.05	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	09/05/16		N/A	0.03	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	15/9/2016		N/A	<0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	20/9/2016		N/A	<0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	30/9/2016		N/A	<0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	10/04/16		N/A	<0.02	mg/L	SELECT	WEEKLY

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		SELECT	Ammonia (as N)	13/10/2016		N/A	0.03	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	19/10/2016		N/A	0.01	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	28/10/2016		N/A	<0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	01/01/16		N/A	<0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	01/08/16		N/A	0.04	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	16/11/2016		N/A	0.03	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	24/11/2016		N/A	0.03	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	29/11/2016		N/A	0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	12/07/16		N/A	0.04	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	14/12/2016		N/A	0.07	mg/L	SELECT	WEEKLY
SW5		SELECT	Ammonia (as N)	01/08/16		N/A	<0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	01/12/16		N/A	<0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	22/01/160		N/A	<0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	27/01/2016		N/A	<0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	02/05/16		N/A	<0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	02/11/16		N/A	<0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	19/02/2016		N/A	<0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	25/202/2016		N/A	<0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	03/01/16		N/A	<0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	03/08/16		N/A	<0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	14/03/2016		N/A	<0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	23/03/2016/		N/A	<0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	**04/01/16**		N/A	<0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	04/08/16		N/A	<0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	11/04/206		N/A	<0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	21/04/2016		N/A	<0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	25/04/2016		N/A	0.03	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	05/06/16		N/A	,0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	05/11/16		N/A	0.05	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	20/05/2016		N/A	0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	23/05/2016		N/A	0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	06/03/16		N/A	0.04	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	06/08/16		N/A	<0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	14/6/2016		N/A	0.085	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	21/6/2016		N/A	0.04	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	30/6/2016		N/A	<0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	07/04/16		N/A	-	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	14/7/2016		N/A	-	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	21/7/2016		N/A	-	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	26/7/2016		N/A	-	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	08/05/16		N/A	-	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	15/8/2016		N/A	-	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	23/8/2016		N/A	0.12	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	31/8/2016		N/A	-	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	09/05/16		N/A	<0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	15/9/2016		N/A	<0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	20/9/2016		N/A	<0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	30/9/2016		N/A	<0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	10/04/16		N/A	<0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	13/10/2016		N/A	<0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	19/10/2016		N/A	0.01	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	28/10/2016		N/A	<0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	01/01/16		N/A	<0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	01/08/16		N/A	0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	16/11/2016		N/A	<0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	24/11/2016		N/A	<0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	29/11/2016		N/A	<0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	12/07/16		N/A	<0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	14/12/2016		N/A	<0.02	mg/L	SELECT	WEEKLY
SW1			**pH**	Quarterly		N/A	7.2	units	SELECT	Mean for 2016
			Temperature	Quarterly		N/A		degrees C	SELECT	Mean for 2016
			Conductivity	Quarterly		N/A	250	µS/cm @20oC	SELECT	Mean for 2016
			Dissolved Oxygen	Quarterly		N/A	10	mg/L	SELECT	Mean for 2016
		Chlorides (as Cl)		Quarterly		N/A	25	mg/L	SELECT	Mean for 2016
			BOD	Quarterly		N/A	1	mg/L	SELECT	Mean for 2016
			COD	Quarterly		N/A	10	mg/L	SELECT	Mean for 2016
			Ammonia (as N)	Quarterly		N/A	0.063	mg/L	SELECT	Mean for 2016
			Suspended Solids	Quarterly		N/A	2	mg/L	SELECT	Mean for 2016
		Chromium and compounds (as Cr)		Annual		N/A	<1	ug/l	SELECT	9/8/2016- annual
		Copper and compounds (as Cu)		Annual		N/A	<1	ug/l	SELECT	Annual
		Cadmium and compounds (as Cd)		Annual		N/A	<1	ug/l	SELECT	Annual
			Iron	Annual		N/A	270	ug/l	SELECT	Annual

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		Lead and compounds (as Pb)		Annual		N/A	<1	ug/l	SELECT	Annual
			Magnesium	Annual		N/A	8.24	mg/l	SELECT	Annual
			Manganese (as Mn)	Annual		N/A	108	ug/l	SELECT	Annual
		Mercury and compounds (as Hg)		Annual		N/A	<0.5	ug/l	SELECT	Annual
			Potassium	Annual		N/A	2.07	mg/l	SELECT	Annual
			Sulphate	Annual		N/A	13.1	mg/l	SELECT	Annual
			Total Oxidised Nitrogen (TON)	Annual		N/A	7	mg/l	SELECT	Annual
		Zinc and compounds (as Zn)		Annual		N/A	<25	ug/l	SELECT	Annual
		Total phosphorus		Annual		N/A	<0.04	mg/l	SELECT	Annual
			Sodium	Annual		N/A	15.4	mg/l		Annual
			Calcium	Annual		N/A	30.7	mg/l		Annual
SW2			**pH**	Quarterly		N/A	7	units		Mean for 2016
			Temperature	Quarterly		N/A		degrees C		Mean for 2016
			Conductivity	Quarterly		N/A	955	µS/cm @20oC		Mean for 2016
			Dissolved Oxygen	Quarterly		N/A	8.37	mg/L		Mean for 2016
		Chlorides (as Cl)		Quarterly		N/A	98.93	mg/L		Mean for 2016
			BOD	Quarterly		N/A	1.5	mg/L		Mean for 2016
			COD	Quarterly		N/A	28	mg/L		Mean for 2016
			Ammonia (as N)	Quarterly		N/A	27	mg/L		Mean for 2016
			Suspended Solids	Quarterly		N/A	31	mg/L		Mean for 2016
		Chromium and compounds (as Cr)		Annual		N/A	1.32	ug/l		Annual
		Copper and compounds (as Cu)		Annual		N/A	<1	ug/l		Annual
		Cadmium and compounds (as Cd)		Annual		N/A	<1	ug/l		Annual
			Iron	Annual		N/A	13.5	ug/l		Annual
		Lead and compounds (as Pb)		Annual		N/A	<1	ug/l		Annual
			Magnesium	Annual		N/A	19.2	mg/l		Annual
			Manganese (as Mn)	Annual		N/A	3175	ug/l		Annual
		Mercury and compounds (as Hg)		Annual		N/A	<0.5	ug/l		Annual
			Potassium	Annual		N/A	18.5	mg/l		Annual
			Sulphate	Annual		N/A	<0.5	mg/l		Annual
			Total Oxidised Nitrogen (TON)	Annual		N/A	<0.2	mg/l		Annual
		Zinc and compounds (as Zn)		Annual		N/A	<25	ug/l		Annual
		Total phosphorus		Annual		N/A	0.1	mg/l		Annual
			Sodium	Annual		N/A	75.8	mg/l		Annual
			Calcium	Annual		N/A	62.1	mg/l		Annual
sw2a			**pH**	Quarterly		N/A	7	units		Mean for 2016
			Temperature	Quarterly		N/A		degrees C		Mean for 2016
			Conductivity	Quarterly		N/A	5520	µS/cm @20oC		Mean for 2016
			Dissolved Oxygen	Quarterly		N/A	10	mg/L		Mean for 2016
		Chlorides (as Cl)		Quarterly		N/A	789	mg/L		Mean for 2016
			BOD	Quarterly		N/A	1	mg/L		Mean for 2016
			COD	Quarterly		N/A	16	mg/L		Mean for 2016
			Ammonia (as N)	Quarterly		N/A	0.66	mg/L		Mean for 2016
			Suspended Solids	Quarterly		N/A	2	mg/L		Mean for 2016
		Chromium and compounds (as Cr)		Annual		N/A	1.03	ug/l		Annual
		Copper and compounds (as Cu)		Annual		N/A	54.8	ug/l		Annual
		Cadmium and compounds (as Cd)		Annual		N/A	<1	ug/l		Annual
			Iron	Annual		N/A	0.21	ug/l		Annual
		Lead and compounds (as Pb)		Annual		N/A	<1	ug/l		Annual
			Magnesium	Annual		N/A	132	mg/l		Annual
			Manganese (as Mn)	Annual		N/A	153	ug/l		Annual
		Mercury and compounds (as Hg)		Annual		N/A	<0.5	ug/l		Annual
			Potassium	Annual		N/A	45.9	mg/l		Annual
			Sulphate	Annual		N/A	257	mg/l		Annual
			Total Oxidised Nitrogen (TON)	Annual		N/A	6.65	mg/l		Annual
		Zinc and compounds (as Zn)		Annual		N/A	<25	ug/l		Annual
		Total phosphorus		Annual		N/A	0.08	mg/l		Annual
			Sodium	Annual		N/A	1514	mg/l		Annual
			Calcium	Annual		N/A	79	mg/l		Annual
SW2B			**pH**	Quarterly		N/A	7	units		Mean for 2016
			Temperature	Quarterly		N/A		degrees C		Mean for 2016
			Conductivity	Quarterly		N/A	4110	µS/cm @20oC		Mean for 2016

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			Dissolved Oxygen	Quarterly		N/A	7.6	mg/L		Mean for 2016
		Chlorides (as Cl)		Quarterly		N/A	1897	mg/L		Mean for 2016
			BOD	Quarterly		N/A	3.5	mg/L		Mean for 2016
			COD	Quarterly		N/A	25	mg/L		Mean for 2016
			Ammonia (as N)	Quarterly		N/A	14.06	mg/L		Mean for 2016
			Suspended Solids	Quarterly		N/A	12.6	mg/L		Mean for 2016
		Chromium and compounds (as Cr)		Annual		N/A	1.32	ug/l		Annual
		Copper and compounds (as Cu)		Annual		N/A	<1	ug/l		Annual
		Cadmium and compounds (as Cd)		Annual		N/A	<1	ug/l		Annual
			Iron	Annual		N/A	4.38	ug/l		Annual
		Lead and compounds (as Pb)		Annual		N/A	<1	ug/l		Annual
			Magnesium	Annual		N/A	90.5	mg/l		Annual
			Manganese (as Mn)	Annual		N/A	1597	ug/l		Annual
		Mercury and compounds (as Hg)		Annual		N/A	<0.5	ug/l		Annual
			Potassium	Annual		N/A	44.3	mg/l		Annual
			Sulphate	Annual		N/A	148	mg/l		Annual
			Total Oxidised Nitrogen (TON)	Annual		N/A	3.77	mg/l		Annual
		Zinc and compounds (as Zn)		Annual		N/A	<25	ug/l		Annual
		Total phosphorus		Annual		N/A	0.18	mg/l		Annual
			Sodium	Annual		N/A	897	mg/l		Annual
			Calcium	Annual		N/A	70.3	mg/l		Annual
sw3			**pH**	Quarterly		N/A	7.2	units		Mean for 2016
			Temperature	Quarterly		N/A		degrees C		Mean for 2016
			Conductivity	Quarterly		N/A	4340	µS/cm @20oC		Mean for 2016
			Dissolved Oxygen	Quarterly		N/A	10.13	mg/L		Mean for 2016
		Chlorides (as Cl)		Quarterly		N/A	1680.5	mg/L		Mean for 2016
			BOD	Quarterly		N/A	1	mg/L		Mean for 2016
			COD	Quarterly		N/A	15	mg/L		Mean for 2016
			Ammonia (as N)	Quarterly		N/A	9.1	mg/L		Mean for 2016
			Suspended Solids	Quarterly		N/A	11.6	mg/L		Mean for 2016
		Chromium and compounds (as Cr)		Annual		N/A	<1	ug/l		Annual
		Copper and compounds (as Cu)		Annual		N/A	<1	ug/l		Annual
		Cadmium and compounds (as Cd)		Annual		N/A	<1	ug/l		Annual
			Iron	Annual		N/A	4.47	ug/l		Annual
		Lead and compounds (as Pb)		Annual		N/A	<1	ug/l		Annual
			Magnesium	Annual		N/A	106	mg/l		Annual
			Manganese (as Mn)	Annual		N/A	1335	ug/l		Annual
		Mercury and compounds (as Hg)		Annual		N/A	<0.5	ug/l		Annual
			Potassium	Annual		N/A	43.3	mg/l		Annual
			Sulphate	Annual		N/A	178	mg/l		Annual
			Total Oxidised Nitrogen (TON)	Annual		N/A	3.73	mg/l		Annual
		Zinc and compounds (as Zn)		Annual		N/A	,25	ug/l		Annual
		Total phosphorus		Annual		N/A	0.08	mg/l		Annual
			Sodium	Annual		N/A	1132	mg/l		Annual
			Calcium	Annual		N/A	71.6	mg/l		Annual
sw4			**pH**	Quarterly		N/A	7.2	units		Mean for 2016
			Temperature	Quarterly		N/A		degrees C		Mean for 2016
			Conductivity	Quarterly		N/A	250	µS/cm @20oC		Mean for 2016
			Dissolved Oxygen	Quarterly		N/A	9.6	mg/L		Mean for 2016
		Chlorides (as Cl)		Quarterly		N/A	24.5	mg/L		Mean for 2016
			BOD	Quarterly		N/A	1	mg/L		Mean for 2016
			COD	Quarterly		N/A	10	mg/L		Mean for 2016
			Ammonia (as N)	Quarterly		N/A	0.73	mg/L		Mean for 2016
			Suspended Solids	Quarterly		N/A	2	mg/L		Mean for 2016
		Chromium and compounds (as Cr)		Annual		N/A	1.1	ug/l		Annual
		Copper and compounds (as Cu)		Annual		N/A	2.48	ug/l		Annual
		Cadmium and compounds (as Cd)		Annual		N/A	<1	ug/l		Annual
			Iron	Annual		N/A	1.23	ug/l		Annual
		Lead and compounds (as Pb)		Annual		N/A	<1	ug/l		Annual
			Magnesium	Annual		N/A	8.68	mg/l		Annual
			Manganese (as Mn)	Annual		N/A	124	ug/l		Annual
		Mercury and compounds (as Hg)		Annual		N/A	<0.5	ug/l		Annual

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			Potassium	Annual		N/A	2.28	mg/l		Annual
			Sulphate	Annual		N/A	13.3	mg/l		Annual
			Total Oxidised Nitrogen (TON)	Annual		N/A	7.1	mg/l		Annual
		Zinc and compounds (as Zn)		Annual		N/A	<25	ug/l		Annual
		Total phosphorus		Annual		N/A	0.04	mg/l		Annual
			Sodium	Annual		N/A	16.5	mg/l		Annual
			Calcium	Annual		N/A	32.5	mg/l		Annual
sw5			**pH**	Quarterly		N/A	8	units		Mean for 2016
			Temperature	Quarterly		N/A		degrees C		Mean for 2016
			Conductivity	Quarterly		N/A	460	µS/cm @20oC		Mean for 2016
			Dissolved Oxygen	Quarterly		N/A	10.2	mg/L		Mean for 2016
		Chlorides (as Cl)		Quarterly		N/A	13.85	mg/L		Mean for 2016
			BOD	Quarterly		N/A	1	mg/L		Mean for 2016
			COD	Quarterly		N/A	10	mg/L		Mean for 2016
			Ammonia (as N)	Quarterly		N/A	0.03	mg/L		Mean for 2016
			Suspended Solids	Quarterly		N/A	2	mg/L		Mean for 2016
		Chromium and compounds (as Cr)		Annual		N/A	DRY	ug/l		Annual
		Copper and compounds (as Cu)		Annual		N/A	-	ug/l		Annual
		Cadmium and compounds (as Cd)		Annual		N/A	-	ug/l		Annual
			Iron	Annual		N/A	-	ug/l		Annual
		Lead and compounds (as Pb)		Annual		N/A	-	ug/l		Annual
			Magnesium	Annual		N/A	-	mg/l		Annual
			Manganese (as Mn)	Annual		N/A	-	ug/l		Annual
		Mercury and compounds (as Hg)		Annual		N/A	-	ug/l		Annual
			Potassium	Annual		N/A	-	mg/l		Annual
			Sulphate	Annual		N/A	-	mg/l		Annual
			Total Oxidised Nitrogen (TON)	Annual		N/A	-	mg/l		Annual
		Zinc and compounds (as Zn)		Annual		N/A	-	ug/l		Annual
		Total phosphorus		Annual		N/A	-	mg/l		Annual
			Sodium	Annual		N/A	-	mg/l		Annual
			Calcium	Annual		N/A	0	mg/l		Annual

Bund/Pipeline testing template

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Bund testing — dropdown menu click to see options

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

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

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

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

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

Pipeline/underground structure testing

1	Are you required by your licence to undertake integrity testing on underground structures e.g. pipelines or sumps etc ? if yes please fill out table 2 below listing all underground structures and pipelines on site **which failed the integrity test**	SELECT
2	Please provide integrity testing frequency period	SELECT

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

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

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

Groundwater/Soil monitoring template						Lic No:	W0023-1		Year	2016		
								Comments				
	1	Are you required to carry out groundwater monitoring as part of your licence requirements?					yes					
	2	Are you required to carry out soil monitoring as part of your licence requirements?					no					
	3	Do you extract groundwater for use on site? If yes please specify use in comment section					no					
	4	Is there contaminated land and /or groundwater on site? If yes please answer q's 5-12					no					
	5	Is the contamination related to operations at the facility (either current and/or historic)					SELECT					
	6	Have actions been taken to address contamination issues?If yes please summarise remediation strategies proposed/undertaken for the site					SELECT					
	7	Please specify the proposed time frame for the remediation strategy					SELECT					
	8	Is there a licence condition to carry out/update ELRA for the site?					SELECT					
	9	Has any type of risk assesment been carried out for the site?					SELECT					
	10	Has a Conceptual Site Model been developed for the site?					SELECT					
	11	Have potential receptors been identified on and off site?					SELECT					
	12	Is there evidence that contamination is migrating offsite?					SELECT					
1: Upgradient Groundwater monitoring results												
	Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration++	Average Concentration+	unit	GTV's*	DWS	Upward trend in pollutant concentration over last 5 years of monitoring data	
	Mean of 2016	GW2	pH	meter	quarterly	7.4	6.4	**units**	**9.5**	DWS	no	
	Mean of 2016	GW2	Temp	meter	quarterly	13.2	12.2	C		DWS	no	
	Mean of 2016	GW2	Elec.Conductivity	meter	quarterly	321	278	mS/cm	1000	DWS	no	
	Mean of 2016	GW2	Chlorides	titration	quarterly	32.7	30.45	mg/l	250	DWS	no	
	Mean of 2016	GW2	Ammoniacal Nitorgen	meter	quarterly	0.09	0.005	mg/l	0.02NH3	DWS	no	
	Mean of 2016	GW2	TON		quarterly	6.11	2.86	ug/l		DWS	no	
	Mean of 2016	GW2	SODIUM		Annual	20.3	17.5	mg/l		DWS	no	
	Mean of 2016	GW2	POTASSIUM		Annual	1.71	1.25	mg/l	5 mg/l	DWS	no	
	Annual	GW2	Cadmium		Annual	-	<1	ug/l	0.005mg/l	DWS	no	
	09/03/16	GW2	Chromium (total)		Annual	-	<1	ug/l	0.03mg/l	DWS	no	
		GW2	Copper		Annual	-	<1	ug/l	0.03mg/l	DWS	no	
		GW2	Cyanide (Total)		Annual	-	<0.05	ug/l	0.01mg/l	DWS	no	
		GW2	Lead		Annual	-	<1	ug/l	0.01mg/l	DWS	no	
		GW2	Mangnesium		Annual	-	9.81	mg/l		DWS	no	
		GW2	Manganese		Annual	-	0.021	ug/l	0.3mg/l	DWS	no	
		GW2	Mercury		Annual	-	<0.5	ug/l	0.001mg/l	DWS	no	
		GW2	Potassium		Annual	-	1.65	mg/l	5 mg//l	DWS	no	
		GW2	Sulphate		Annual	-	19	mg/l		DWS	no	
		GW2	Total Alkalinity		Annual	-	94.3	mg/l		DWS	no	
		GW2	Total Phosphorus		Annual	-	<0.04	mg/l		DWS	no	
		GW2	Selenium total		Annual	-	<5	ug/l		DWS	no	
		GW2	Thallium total		Annual	-	<1	ug/l		DWS	no	
		GW2	Tellurium total		Annual	-	<1	ug/l		DWS	no	
		GW2	Vanadium		Annual	-	<1	ug/l		DWS	no	

Groundwater/Soil monitoring template						Lic No:	W0023-1		Year	2016		
		GW2	Phenols		Annual	-	<1	ug/l	0.5 ug/l	DWS	no	
		GW2	Acenaphthylene		Annual	-	<0.01	ug/l		DWS	no	
		GW2	Anthracene		Annual	-	<0.01	ug/l	0.1 ug/l	DWS	no	
		GW2	Benzene		Annual	-	<0.01	ug/l		DWS	no	
		GW2	Bromodichloromethane		Annual	-	<1	ug/l		DWS	no	
		GW2	Bromoform		Annual	-	<1	ug/l		DWS	no	
		GW2	Chloroform		Annual	-	<1	ug/l		DWS	no	
		GW2	Chrysene		Annual	-	<0.01	ug/l		DWS	no	
		GW2	Dibromochloromethane		Annual	-	<1	ug/l		DWS	no	
		GW2	Fluoranthene		Annual	-	<1	ug/l		DWS	no	
		GW2	Fluorene		Annual	-	<0.01	ug/l		DWS	no	
		GW2	Naphthalene		Annual	-	<0.2	ug/l	1.0 ug/l	DWS	no	
		GW2	Dibromochloromethane		Annual	-	<0.1	ug/l		DWS	no	
		GW2	Pentachlorophenol		Annual	-	<4	ug/l	9.0 ug/l	DWS	no	
		GW2	Phenanthrene		Annual	-	<0.01	ug/l		DWS	no	
		GW2	Pyrene		Annual	-	<0.01	ug/l		DWS	no	
		GW2	Tetrachloroethene		Annual	-	<1	ug/l	70 ug/l	DWS	no	
		GW2	Trichloroethene		Annual	-	<1	ug/l		DWS	no	
		GW2	Hexachlorobenzene		Annual	-	<0.01	ug/l		DWS	no	
		GW2	Hexachlorobutadiene		Annual	-	<3	ug/l		DWS	no	
		GW2	2,4,6-Trichlorophenol		Annual	-	<1	ug/l		DWS	no	
		GW2	2,4-Dichlorophenol		Annual	-	<1	ug/l		DWS	no	
		GW2	2,4-Dimethylphenol		Annual	-	<1	ug/l		DWS	no	
		GW2	2-Chlorophenol		Annual	-	<1	ug/l		DWS	no	
		GW2	1,2,4-trichlorobenzene		Annual	-	<1	ug/l		DWS	no	
		GW2	1,2-dichlorobenzene		Annual	-	<1	ug/l		DWS	no	
		GW2	1,3-dichlorobenzene		Annual	-	<1	ug/l		DWS	no	
		GW2	1,4-dichlorobenzene		Annual	-	<1	ug/l		DWS	no	
		GW2	2,4,5-Trichlorophenol		Annual	-	<1	ug/l		DWS	no	
		GW2	2,4-Dinitrotoluene		Annual	-	<1	ug/l		DWS	no	
		GW2	2,6-Dinitrotoluene		Annual	-	<1	ug/l		DWS	no	
		GW2	2-Chloronaphthalene		Annual	-	<1	ug/l		DWS	no	
		GW2	2-Methylnaphthalene		Annual	-	<1	ug/l		DWS	no	
		GW2	2-Methylphenol		Annual	-	<1	ug/l		DWS	no	
		GW2	2-Nitrophenol		Annual	-	<1	ug/l		DWS	no	
		GW2	4-Bromophenyl Phenyl Ether		Annual	-	<1	ug/l		DWS	no	
		GW2	4-Chloro-3-methylphenol		Annual	-	<1	ug/l		DWS	no	
		GW2	4-Chlorophenyl phenyl ether		Annual	-	<1	ug/l		DWS	no	
		GW2	4-Nitrophenol		Annual	-	<1	ug/l		DWS	no	
		GW2	Acenaphthene		Annual	-	<1	ug/l		DWS	no	
		GW2	Benzo(a)anthracene		Annual	-	<0.01	ug/l		DWS	no	
		GW2	Benzo(a)pyrene		Annual	-	<0.01	ug/l		DWS	no	
		GW2	Benzo(b)fluoranthene		Annual	-	<0.01	ug/l		DWS	no	
		GW2	Benzo(g,h,i)perylene		Annual	-	<1	ug/l		DWS	no	
		GW2	Benzyl Butyl Phthalate		Annual	-	<1	ug/l		DWS	no	
		GW2	Bis(2-chloroethoxy)methane		Annual	-	<1	ug/l		DWS	no	
		GW2	Bis(2-chloroethyl)ether		Annual	-	<1	ug/l		DWS	no	
		GW2	Bis(2-chloroisopropyl)ether		Annual	-	<1	ug/l		DWS	no	
		GW2	Bis(2-ethylhexyl)phthalate		Annual	-	<1	ug/l		DWS	no	
		GW2	Dibenz(a,h)anthracene		Annual	-	<1	ug/l		DWS	no	
		GW2	Dibenzofuran		Annual	-	<1	ug/l		DWS	no	
		GW2	Diethylphthalate		Annual	-	<1	ug/l		DWS	no	
		GW2	di-n-Butylphthalate		Annual	-	<1	ug/l		DWS	no	

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		GW2	Di-n-octylphthalate		Annual	-	<1	ug/l		DWS	no	
		GW2	Diphenylamine		Annual	-	<1	ug/l		DWS	no	
		GW2	Hexachloroethane		Annual	-	<1	ug/l		DWS	no	
		GW2	Indeno(1,2,3-c,d)pyrene		Annual	-	<0.01	ug/l		DWS	no	
		GW2	Isophorone		Annual	-	<1	ug/l		DWS	no	
		GW2	Nitrobenzene		Annual	-	<1	ug/l	10 ug/l	DWS	no	
		GW2	n-Nitrosodi-n-propylamine		Annual	-	<1	ug/l		DWS	no	
		GW2	Acetone		Annual	-	<1	ug/l		DWS	no	
		GW2	Dichloromethane		Annual	-	<1	ug/l		DWS	no	
		GW2	Tetrahydrofuran		Annual	-	<1	ug/l		DWS	no	
		GW2	Toluene		Annual	-	<1	ug/l	700 ug/l	DWS	no	
		GW2	Xylene -o		Annual	-	<1	ug/l		DWS	no	
		GW2	Dichlorodifluoromethane		Annual	-	<1	ug/l		DWS	no	
		GW2	Chloromethane		Annual	-	<1	ug/l		DWS	no	
		GW2	Ethyl Chloride/Chloroethane		Annual	-	<1	ug/l		DWS	no	
		GW2	Vinyl Chloride		Annual	-	<1	ug/l		DWS	no	
		GW2	Bromomethane		Annual	-	<1	ug/l		DWS	no	
		GW2	Trichloromonofluoromethane		Annual	-	<1	ug/l		DWS	no	
		GW2	Ethyl Ether/Diethyl Ether		Annual	-	<1	ug/l		DWS	no	
		GW2	11 Dichloroethene		Annual	-	<1	ug/l		DWS	no	
		GW2	Iodomethane/Methyl Iodide		Annual	-	<1	ug/l		DWS	no	
		GW2	Carbon Disulphide		Annual	-	<1	ug/l		DWS	no	
		GW2	Allyl Chloride		Annual	-	<1	ug/l		DWS	no	
		GW2	Chlormethyl Cyanide/Chloroacetonitrile		Annual	-	<1	ug/l		DWS	no	
		GW2	Propanenitrile		Annual	-	<1	ug/l		DWS	no	
		GW2	Trans-1,2 Dichloroethene		Annual	-	<1	ug/l		DWS	no	
		GW2	MtBE		Annual	-	<1	ug/l	30 ug/l	DWS	no	
		GW2	1,1-dichloroethane		Annual	-	<1	ug/l		DWS	no	
		GW2	2,2-dichloropropane		Annual	-	<1	ug/l		DWS	no	
		GW2	cis-12 Dichloroethene		Annual	-	<1	ug/l		DWS	no	
		GW2	2-Butanone		Annual	-	<1	ug/l		DWS	no	
		GW2	Methyl Acrylate		Annual	-	<1	ug/l		DWS	no	
		GW2	Bromochloromethane		Annual	-	<1	ug/l		DWS	no	
		GW2	Methacrylonitrile		Annual	-	<1	ug/l		DWS	no	
		GW2	1,1,1-trichloroethane		Annual	-	<1	ug/l		DWS	no	
		GW2	1-Chlorobutane		Annual	-	<1	ug/l		DWS	no	
		GW2	Carbon Tetrachloride		Annual	-	<1	ug/l		DWS	no	
		GW2	11 Dichloropropene		Annual	-	<1	ug/l		DWS	no	
		GW2	1,2 dicloroethane		Annual	-	<1	ug/l		DWS	no	
		GW2	1,2-dichloropropane		Annual	-	<1	ug/l		DWS	no	
		GW2	Dibromomethane		Annual	-	<1	ug/l		DWS	no	
		GW2	Methyl Methacrylate		Annual	-	<1	ug/l		DWS	no	
		GW2	13 Dichloropropene,cis		Annual	-	<1	ug/l		DWS	no	
		GW2	MIBK/4 Methyl 2 Pentanone		Annual	-	<1	ug/l		DWS	no	
		GW2	13 Dichloropropene,trans		Annual	-	<1	ug/l		DWS	no	
		GW2	Ethyl Methacrylate		Annual	-	<1	ug/l		DWS	no	
		GW2	112 Trichloroethane		Annual	-	<1	ug/l		DWS	no	
		GW2	1,3-dichloropropane		Annual	-	<1	ug/l		DWS	no	
		GW2	2-Hexanone		Annual	-	<1	ug/l		DWS	no	
		GW2	1,2-dibromoethane		Annual	-	<1	ug/l		DWS	no	

Groundwater/Soil monitoring template						Lic No:	W0023-1		Year	2016		
		GW2	Chlorobenzene		Annual	-	<1	ug/l	100 ug/l	DWS	no	
		GW2	1,1,1,2-tetrachloroethane		Annual	-	<1	ug/l		DWS	no	
		GW2	Ethylbenzene		Annual	-	<1	ug/l	300 ug/l	DWS	no	
		GW2	Xylene P&M		Annual	-	<1	ug/l		DWS	no	
		GW2	Styrene		Annual	-	<1	ug/l		DWS	no	
		GW2	Isopropylbenzene		Annual	-	<1	ug/l		DWS	no	
		GW2	Bromobenzene		Annual	-	<1	ug/l		DWS	no	
		GW2	1,1,2,2-tetrachloroethane		Annual	-	<1	ug/l		DWS	no	
		GW2	1,2,3-trichloropropane		Annual	-	<1	ug/l		DWS	no	
		GW2	Trans 14 Dichloro 2 Butene, tran		Annual	-	<1	ug/l		DWS	no	
		GW2	Propylbenzene		Annual	-	<1	ug/l		DWS	no	
		GW2	2-chlorotoluene		Annual	-	<1	ug/l		DWS	no	
		GW2	4-chlorotoluene		Annual	-	<1	ug/l		DWS	no	
		GW2	1,3,5-trimethylbenzene		Annual	-	<1	ug/l		DWS	no	
		GW2	Tert Butyl Benzene		Annual	-	<1	ug/l		DWS	no	
		GW2	1,2,4-trimethylbenzene		Annual	-	<1	ug/l		DWS	no	
		GW2	sec-butylbenzene		Annual	-	<1	ug/l		DWS	no	
		GW2	P Isopropyltoluene		Annual	-	<1	ug/l		DWS	no	
		GW2	N Butyl Benzene		Annual	-	<1	ug/l		DWS	no	
		GW2	1,2-dibromo-3-chloropropane		Annual	-	<1	ug/l		DWS	no	
		GW2	1,2,3-trichlorobenzene		Annual	-	<1	ug/l		DWS	no	
		GW2	VOC		Annual	-	<1	ug/l		DWS	no	
		GW2	SVOC		Annual	-	<1	ug/l		DWS	no	
		GW2	Acid Herbicicdes		Annual	-	<0.01	ug/l		DWS	no	
		GW2	OPP		Annual	-	<0.01	ug/l		DWS	no	
		GW2	OCP		Annual	-	<0.01	ng/l		DWS	no	
		GW2	Triazine Herbicides		Annual	-	<0.01	ug/l	0.1 ug/l	DWS	no	
		GW2	Arsenic		Annual	-	<0.5	ug/l	0.01 mg/l	DWS	no	
										DWS		
+ where average indicates arithmetic mean												
um measured concentration from all monitoring results produced during the reporting yeai												
: Downgradient Groundwater monitoring results												
	Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration	Average Concentration	unit	GTV's*	DWS	Upward trend in yearly average pollutant concentration over last 5 years of monitoring data	
	Mean of 2016	GW5	pH		quarterly	6.5	6.2	**units**	**9.5**	DWS	no	
	Mean of 2016	GW5	Temp		quarterly	13.2	12	C		DWS	no	
	Mean of 2016	GW5	Elec.Conductivity		quarterly	530	465	mS/cm	1000	DWS	no	
	Mean of 2016	GW5	Chlorides		quarterly	42.5	34.42	mg/l	250	DWS	no	
	Mean of 2016	GW5	Ammoniacal Nitorgen		quarterly	4.27	2.63	mg/l	0.02NH3	DWS	no	
	Mean of 2016	GW5	ton		quarterly	11.7	5.24	ug/l	1.0mg/l	DWS	no	
	Mean of 2016	GW5	sodium		quarterly	37	35.75	mg/l		DWS	no	
	Mean of 2016	GW5	potassium		quarterly	36	14.75	mg/l		DWS	no	
	Annual	**GW5**	**Cadmium**		**Annual**	**<1**		**ug/l**	**0.005mg/l**	**DWS**	no	
	22/9/2016	GW5	Chromium (total)		Annual	<1		ug/l	0.03mg/l	DWS	no	
		GW5	Copper		Annual	27.6		ug/l	0.03mg/l	DWS	no	
		GW5	Cyanide (Total)		Annual	<0.05		ug/l	0.01mg/l	DWS	no	

Groundwater/Soil monitoring template						Lic No:	W0023-1		Year	2016		
		GW5	Lead		Annual	1.56		ug/l	0.01mg/l	DWS	no	
		GW5	Mangnesium		Annual	21.1		mg/l		DWS	no	
		GW5	Manganese		Annual	5.82		ug/l	0.3mg/l	DWS	no	
		GW5	Mercury		Annual	<0.5		ug/l	0.001mg/l	DWS	no	
		GW5	Potassium		Annual	11.2		mg/l	5 mg/l	DWS	no	
		GW5	Sulphate		Annual	15.9		mg/l		DWS	no	
		GW5	Total Alkalinity		Annual	248		mg/l		DWS	no	
		GW5	Total Phosphorus		Annual	0.2		mg/l		DWS	no	
		GW5	Selenium total		Annual	<5		ug/l		DWS	no	
		GW5	Thallium total		Annual	<1		ug/l		DWS	no	
		GW5	Tellurium total		Annual	<1		ug/l		DWS	no	
		GW5	Vanadium, total		Annual	<1		ug/l		DWS	no	
		GW5	Phenols		Annual	-	<1	ug/l	0.5 ug/l	DWS	no	
		GW5	Acenaphthylene		Annual	-	<0.01	ug/l		DWS	no	
		GW5	Anthracene		Annual	-	<0.01	ug/l	0.1 ug/l	DWS	no	
		GW5	Benzene		Annual	-	<0.01	ug/l		DWS	no	
		GW5	Bromodichloromethane		Annual	-	<1	ug/l		DWS	no	
		GW5	Bromoform		Annual	-	<1	ug/l		DWS	no	
		GW5	Chloroform		Annual	-	<1	ug/l		DWS	no	
		GW5	Chrysene		Annual	-	<0.01	ug/l		DWS	no	
		GW5	Dibromochloromethane		Annual	-	<1	ug/l		DWS	no	
		GW5	Fluoranthene		Annual	-	<1	ug/l		DWS	no	
		GW5	Fluorene		Annual	-	<0.01	ug/l		DWS	no	
		GW5	Naphthalene		Annual	-	<0.2	ug/l	1.0 ug/l	DWS	no	
		GW5	Dibromochloromethane		Annual	-	<0.1	ug/l		DWS	no	
		GW5	Pentachlorophenol		Annual	-	<4	ug/l	9.0 ug/l	DWS	no	
		GW5	Phenanthrene		Annual	-	<0.01	ug/l		DWS	no	
		GW5	Pyrene		Annual	-	<0.01	ug/l		DWS	no	
		GW5	Tetrachloroethene		Annual	-	<1	ug/l	70 ug/l	DWS	no	
		GW5	Trichloroethene		Annual	-	<1	ug/l		DWS	no	
		GW5	Hexachlorobenzene		Annual	-	<0.01	ug/l		DWS	no	
		GW5	Hexachlorobutadiene		Annual	-	<3	ug/l		DWS	no	
		GW5	2,4,6-Trichlorophenol		Annual	-	<1	ug/l		DWS	no	
		GW5	2,4-Dichlorophenol		Annual	-	<1	ug/l		DWS	no	
		GW5	2,4-Dimethylphenol		Annual	-	<1	ug/l		DWS	no	
		GW5	2-Chlorophenol		Annual	-	<1	ug/l		DWS	no	
		GW5	1,2,4-trichlorobenzene		Annual	-	<1	ug/l		DWS	no	
		GW5	1,2-dichlorobenzene		Annual	-	<1	ug/l		DWS	no	
		GW5	1,3-dichlorobenzene		Annual	-	<1	ug/l		DWS	no	
		GW5	1,4-dichlorobenzene		Annual	-	<1	ug/l		DWS	no	
		GW5	2,4,5-Trichlorophenol		Annual	-	<1	ug/l		DWS	no	
		GW5	2,4-Dinitrotoluene		Annual	-	<1	ug/l		DWS	no	
		GW5	2,6-Dinitrotoluene		Annual	-	<1	ug/l		DWS	no	
		GW5	2-Chloronaphthalene		Annual	-	<1	ug/l		DWS	no	
		GW5	2-Methylnaphthalene		Annual	-	<1	ug/l		DWS	no	
		GW5	2-Methylphenol		Annual	-	<1	ug/l		DWS	no	
		GW5	2-Nitrophenol		Annual	-	<1	ug/l		DWS	no	
		GW5	4-Bromophenyl Phenyl Ether		Annual	-	<1	ug/l		DWS	no	
		GW5	4-Chloro-3-methylphenol		Annual	-	<1	ug/l		DWS	no	
		GW5	4-Chlorophenyl phenyl ether		Annual	-	<1	ug/l		DWS	no	
		GW5	4-Nitrophenol		Annual	-	<1	ug/l		DWS	no	
		GW5	Acenaphthene		Annual	-	<1	ug/l		DWS	no	
		GW5	Benzo(a)anthracene		Annual	-	<0.01	ug/l		DWS	no	
		GW5	Benzo(a)pyrene		Annual	-	<0.01	ug/l		DWS	no	
		GW5	Benzo(b)fluoranthene		Annual	-	<0.01	ug/l		DWS	no	
		GW5	Benzo(g,h,i)perylene		Annual	-	<1	ug/l		DWS	no	

Groundwater/Soil monitoring template						Lic No:	W0023-1		Year	2016		
		GW5	Benzyl Butyl Phthalate		Annual	-	<1	ug/l		DWS	no	
		GW5	Bis(2-chloroethoxy)methane		Annual	-	<1	ug/l		DWS	no	
		GW5	Bis(2-chloroethyl)ether		Annual	-	<1	ug/l		DWS	no	
		GW5	Bis(2-chloroisopropyl)ether		Annual	-	<1	ug/l		DWS	no	
		GW5	Bis(2-ethylhexyl)phthalate		Annual	-	<1	ug/l		DWS	no	
		GW5	Dibenz(a,h)anthracene		Annual	-	<1	ug/l		DWS	no	
		GW5	Dibenzofuran		Annual	-	<1	ug/l		DWS	no	
		GW5	Diethylphthalate		Annual	-	<1	ug/l		DWS	no	
		GW5	di-n-Butylphthalate		Annual	-	<1	ug/l		DWS	no	
		GW5	Di-n-octylphthalate		Annual	-	<1	ug/l		DWS	no	
		GW5	Diphenylamine		Annual	-	<1	ug/l		DWS	no	
		GW5	Hexachloroethane		Annual	-	<1	ug/l		DWS	no	
		GW5	Indeno(1,2,3-c,d)pyrene		Annual	-	<0.01	ug/l		DWS	no	
		GW5	Isophorone		Annual	-	<1	ug/l		DWS	no	
		GW5	Nitrobenzene		Annual	-	<1	ug/l	10 ug/l	DWS	no	
		GW5	n-Nitrosodi-n-propylamine		Annual	-	<1	ug/l		DWS	no	
		GW5	Acetone		Annual	-	<1	ug/l		DWS	no	
		GW5	Dichloromethane		Annual	-	<1	ug/l		DWS	no	
		GW5	Tetrahydrofuran		Annual	-	<1	ug/l		DWS	no	
		GW5	Toluene		Annual	-	<1	ug/l	700 ug/l	DWS	no	
		GW5	Xylene -o		Annual	-	<1	ug/l		DWS	no	
		GW5	Dichlorodifluoromethane		Annual	-	<1	ug/l		DWS	no	
		GW5	Chloromethane		Annual	-	<1	ug/l		DWS	no	
		GW5	Ethyl Chloride/Chloroethane		Annual	-	<1	ug/l		DWS	no	
		GW5	Vinyl Chloride		Annual	-	<1	ug/l		DWS	no	
		GW5	Bromomethane		Annual	-	<1	ug/l		DWS	no	
		GW5	Trichloromonofluoromethane		Annual	-	<1	ug/l		DWS	no	
		GW5	Ethyl Ether/Diethyl Ether		Annual	-	<1	ug/l		DWS	no	
		GW5	11 Dichloroethene		Annual	-	<1	ug/l		DWS	no	
		GW5	Iodomethane/Methyl Iodide		Annual	-	<1	ug/l		DWS	no	
		GW5	Carbon Disulphide		Annual	-	<1	ug/l		DWS	no	
		GW5	Allyl Chloride		Annual	-	<1	ug/l		DWS	no	
		GW5	Chlormethyl Cyanide/Chloroacetonitrile		Annual	-	<1	ug/l		DWS	no	
		GW5	Propanenitrile		Annual	-	<1	ug/l		DWS	no	
		GW5	Trans-1,2 Dichloroethene		Annual	-	<1	ug/l		DWS	no	
		GW5	MtBE		Annual	-	<1	ug/l		DWS	no	
		GW5	1,1-dichloroethane		Annual	-	<1	ug/l		DWS	no	
		GW5	2,2-dichloropropane		Annual	-	<1	ug/l		DWS	no	
		GW5	cis-12 Dichloroethene		Annual	-	<1	ug/l		DWS	no	
		GW5	2-Butanone		Annual	-	<1	ug/l		DWS	no	
		GW5	Methyl Acrylate		Annual	-	<1	ug/l		DWS	no	
		GW5	Bromochloromethane		Annual	-	<1	ug/l		DWS	no	
		GW5	Methacrylonitrile		Annual	-	<1	ug/l		DWS	no	
		GW5	1,1,1-trichloroethane		Annual	-	<1	ug/l		DWS	no	
		GW5	1-Chlorobutane		Annual	-	<1	ug/l		DWS	no	
		GW5	Carbon Tetrachloride		Annual	-	<1	ug/l		DWS	no	
		GW5	11 Dichloropropene		Annual	-	<1	ug/l		DWS	no	
		GW5	1,2 dicloroethane		Annual	-	<1	ug/l		DWS	no	
		GW5	1,2-dichloropropane		Annual	-	<1	ug/l		DWS	no	

Groundwater/Soil monitoring template						Lic No:	W0023-1		Year	2016		
		GW5	Dibromomethane		Annual	-	<1	ug/l		DWS	no	
		GW5	Methyl Methacrylate		Annual	-	<1	ug/l		DWS	no	
		GW5	13 Dichloropropene,cis		Annual	-	<1	ug/l		DWS	no	
		GW5	MIBK/4 Methyl 2 Pentanone		Annual	-	<1	ug/l		DWS	no	
		GW5	13 Dichloropropene,trans		Annual	-	<1	ug/l		DWS	no	
		GW5	Ethyl Methacrylate		Annual	-	<1	ug/l		DWS	no	
		GW5	112 Trichloroethane		Annual	-	<1	ug/l		DWS	no	
		GW5	1,3-dichloropropane		Annual	-	<1	ug/l		DWS	no	
		GW5	2-Hexanone		Annual	-	<1	ug/l		DWS	no	
		GW5	1,2-dibromoethane		Annual	-	<1	ug/l		DWS	no	
		GW5	Chlorobenzene		Annual	-	<1	ug/l	100 ug/l	DWS	no	
		GW5	1,1,1,2-tetrachloroethane		Annual	-	<1	ug/l		DWS	no	
		GW5	Ethylbenzene		Annual	-	<1	ug/l	300 ug/l	DWS	no	
		GW5	Xylene P&M		Annual	-	<1	ug/l		DWS	no	
		GW5	Styrene		Annual	-	<1	ug/l		DWS	no	
		GW5	Isopropylbenzene		Annual	-	<1	ug/l		DWS	no	
		GW5	Bromobenzene		Annual	-	<1	ug/l		DWS	no	
		GW5	1,1,2,2-tetrachloroethane		Annual	-	<1	ug/l		DWS	no	
		GW5	1,2,3-trichloropropane		Annual	-	<1	ug/l		DWS	no	
		GW5	Trans 14 Dichloro 2 Butene, tran		Annual	-	<1	ug/l		DWS	no	
		GW5	Propylbenzene		Annual	-	<1	ug/l		DWS	no	
		GW5	2-chlorotoluene		Annual	-	<1	ug/l		DWS	no	
		GW5	4-chlorotoluene		Annual	-	<1	ug/l		DWS	no	
		GW5	1,3,5-trimethylbenzene		Annual	-	<1	ug/l		DWS	no	
		GW5	Tert Butyl Benzene		Annual	-	<1	ug/l		DWS	no	
		GW5	1,2,4-trimethylbenzene		Annual	-	<1	ug/l		DWS	no	
		GW5	sec-butylbenzene		Annual	-	<1	ug/l		DWS	no	
		GW5	P Isopropyltoluene		Annual	-	<1	ug/l		DWS	no	
		GW5	N Butyl Benzene		Annual	-	<1	ug/l		DWS	no	
		GW5	1,2-dibromo-3-chloropropane		Annual	-	<1	ug/l		DWS	no	
		GW5	1,2,3-trichlorobenzene		Annual	-	<1	ug/l		DWS	no	
		GW5	VOC		Annual	-	<1	ug/l		DWS	no	
		GW5	SVOC		Annual	-	<1	ug/l		DWS	no	
		GW5	Acid Herbicicdes		Annual	-	<0.01	ug/l		DWS	no	
		GW5	OPP		Annual	-	<0.01	ug/l		DWS	no	
		GW5	OCP		Annual	-	<0.01	ng/l		DWS	no	
		GW5	Simazine		Annual	-	<0.01	ug/l	2.0 ug/l	DWS	no	
	Mean of 2016	GW8	pH		quarterly	6.4	6	**units**	**9.5**	DWS	no	
	mean of 2016	GW8	Temp		quarterly	13	11.8	C		DWS	no	
	Mean of 2016	GW8	Elec.Conductivity		quarterly	467	445	mS/cm	1000	DWS	no	
	mean of 2016	GW8	Chlorides		quarterly	41.9	37.1	mg/l	250	DWS	no	
	Mean of 2016	GW8	Ammoniacal Nitorgen		quarterly	2.77	1.75	mg/l	0.02NH3	DWS	no	
	mean of 2016	GW8	TON		quarterly	13	14.32	ug/l	1.0mg/l	DWS	no	
	Mean of 2016	GW8	Sodium		quarterly	31	30.25	mg/l		DWS	no	
	mean of 2016	GW8	Potassium		quarterly	12	8.75	mg/l		DWS	no	
	Annual	**GW8**	**Cadmium**		**Annual**	**<1**	**<0.5**	**ug/l**	**0.005mg/l**	**DWS**	no	
	09/03/16	GW8	Chromium (total)		Annual	24.9	<0.5	ug/l	0.03mg/l	DWS	no	

Groundwater/Soil monitoring template						Lic No:	W0023-1		Year	2016		
		GW8	Copper		Annual	41	<1	ug/l	0.03mg/l	DWS	no	
		GW8	Cyanide (Total)		Annual	<0.05	<0.009	ug/l	0.01mg/l	DWS	no	
		GW8	Lead		Annual	<1	5	ug/l	0.01mg/l	DWS	no	
		GW8	Mangnesium		Annual	12.8	10	mg/l		DWS	no	
		GW8	Manganese		Annual	0.142	138	ug/l	0.3mg/l	DWS	no	
		GW8	Mercury		Annual	<0.5	<0.10	ug/l	0.001mg/l	DWS	no	
		GW8	Potassium		Annual	6.36	9	mg/l	5 mg/l	DWS	no	
		GW8	Sulphate		Annual	14.6	16.2	mg/l		DWS	no	
		GW8	Total Alkalinity		Annual	118		mg/l		DWS	no	
		GW8	Total Phosphorus		Annual	0.04	<0.15	mg/l		DWS	no	
		GW8	Selenium total		Annual	<5	<0.5	ug/l		DWS	no	
		GW8	Thallium total		Annual	<1	<0.5	ug/l		DWS	no	
		GW8	Tellurium total		Annual	<1	<0.5	ug/l		DWS	no	
		GW8	Vanadium, total		Annual	1.42	<0.5	ug/l		DWS	no	
		GW8	Phenols		Annual	-	<1	ug/l	0.5 ug/l	DWS	no	
		GW8	Acenaphthylene		Annual	-	<0.01	ug/l		DWS	no	
		GW8	Anthracene		Annual	-	<0.01	ug/l	0.1 ug/l	DWS	no	
		GW8	Benzene		Annual	-	<0.01	ug/l		DWS	no	
		GW8	Bromodichloromethane		Annual	-	<1	ug/l		DWS	no	
		GW8	Bromoform		Annual	-	<1	ug/l		DWS	no	
		GW8	Chloroform		Annual	-	<1	ug/l		DWS	no	
		GW8	Chrysene		Annual	-	<0.01	ug/l		DWS	no	
		GW8	Dibromochloromethane		Annual	-	<1	ug/l		DWS	no	
		GW8	Fluoranthene		Annual	-	<1	ug/l		DWS	no	
		GW8	Fluorene		Annual	-	<0.01	ug/l		DWS	no	
		GW8	Naphthalene		Annual	-	<0.2	ug/l	1.0 ug/l	DWS	no	
		GW8	Dibromochloromethane		Annual	-	<0.1	ug/l		DWS	no	
		GW8	Pentachlorophenol		Annual	-	<4	ug/l	9.0 ug/l	DWS	no	
		GW8	Phenanthrene		Annual	-	<0.01	ug/l		DWS	no	
		GW8	Pyrene		Annual	-	<0.01	ug/l		DWS	no	
		GW8	Tetrachloroethene		Annual	-	<1	ug/l	70 ug/l	DWS	no	
		GW8	Trichloroethene		Annual	-	<1	ug/l		DWS	no	
		GW8	Hexachlorobenzene		Annual	-	<0.01	ug/l		DWS	no	
		GW8	Hexachlorobutadiene		Annual	-	<3	ug/l		DWS	no	
		GW8	2,4,6-Trichlorophenol		Annual	-	<1	ug/l		DWS	no	
		GW8	2,4-Dichlorophenol		Annual	-	<1	ug/l		DWS	no	
		GW8	2,4-Dimethylphenol		Annual	-	<1	mg/l		DWS	no	
		GW8	2-Chlorophenol		Annual	-	<1	ug/l		DWS	no	
		GW8	1,2,4-trichlorobenzene		Annual	-	<1	ug/l		DWS	no	
		GW8	1,2-dichlorobenzene		Annual	-	<1	mg/l		DWS	no	
		GW8	1,3-dichlorobenzene		Annual	-	<1	mg/l		DWS	no	
		GW8	1,4-dichlorobenzene		Annual	-	<1	mg/l		DWS	no	
		GW8	2,4,5-Trichlorophenol		Annual	-	<1	mg/l		DWS	no	
		GW8	2,4-Dinitrotoluene		Annual	-	<1	ug/l		DWS	no	
		GW8	2,6-Dinitrotoluene		Annual	-	<1	ug/l		DWS	no	
		GW8	2-Chloronaphthalene		Annual	-	<1	ug/l		DWS	no	
		GW8	2-Methylnaphthalene		Annual	-	<1	ug/l		DWS	no	
		GW8	2-Methylphenol		Annual	-	<1	ug/l		DWS	no	
		GW8	2-Nitrophenol		Annual	-	<1	ug/l		DWS	no	
		GW8	4-Bromophenyl Phenyl Ether		Annual	-	<1	ug/l		DWS	no	
		GW8	4-Chloro-3-methylphenol		Annual	-	<1	ug/l		DWS	no	
		GW8	4-Chlorophenyl phenyl ether		Annual	-	<1	ug/l		DWS	no	
		GW8	4-Nitrophenol		Annual	-	<1	ug/l		DWS	no	
		GW8	Acenaphthene		Annual	-	<1	ug/l		DWS	no	
		GW8	Benzo(a)anthracene		Annual	-	<0.01	ug/l		DWS	no	
		GW8	Benzo(a)pyrene		Annual	-	<0.01	ug/l		DWS	no	

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		GW8	Benzo(b)fluoranthene		Annual	-	<0.01	ug/l		DWS	no	
		GW8	Benzo(g,h,i)perylene		Annual	-	<1	ug/l		DWS	no	
		GW8	Benzyl Butyl Phthalate		Annual	-	<1	ug/l		DWS	no	
		GW8	Bis(2-chloroethoxy)methane		Annual	-	<1	ug/l		DWS	no	
		GW8	Bis(2-chloroethyl)ether		Annual	-	<1	ug/l		DWS	no	
		GW8	Bis(2-chloroisopropyl)ether		Annual	-	<1	ug/l		DWS	no	
		GW8	Bis(2-ethylhexyl)phthalate		Annual	-	<1	ug/l		DWS	no	
		GW8	Dibenz(a,h)anthracene		Annual	-	<1	ug/l		DWS	no	
		GW8	Dibenzofuran		Annual	-	<1	ug/l		DWS	no	
		GW8	Diethylphthalate		Annual	-	<1	ug/l		DWS	no	
		GW8	di-n-Butylphthalate		Annual	-	<1	ug/l		DWS	no	
		GW8	Di-n-octylphthalate		Annual	-	<1	ug/l		DWS	no	
		GW8	Diphenylamine		Annual	-	<1	ug/l		DWS	no	
		GW8	Hexachloroethane		Annual	-	<1	mg/l		DWS	no	
		GW8	Indeno(1,2,3-c,d)pyrene		Annual	-	<0.01	ug/l		DWS	no	
		GW8	Isophorone		Annual	-	<1	ug/l		DWS	no	
		GW8	Nitrobenzene		Annual	-	<1	mg/l	10 ug/l	DWS	no	
		GW8	n-Nitrosodi-n-propylamine		Annual	-	<1	mg/l		DWS	no	
		GW8	Acetone		Annual	-	<1	mg/l		DWS	no	
		GW8	Dichloromethane		Annual	-	<1	mg/l		DWS	no	
		GW8	Tetrahydrofuran		Annual	-	<1	ug/l		DWS	no	
		GW8	Toluene		Annual	-	<1	ug/l	700 ug/l	DWS	no	
		GW8	Xylene -o		Annual	-	<1	ug/l		DWS	no	
		GW8	Dichlorodifluoromethane		Annual	-	<1	ug/l		DWS	no	
		GW8	Chloromethane		Annual	-	<1	ug/l		DWS	no	
		GW8	Ethyl Chloride/Chloroethane		Annual	-	<1	ug/l		DWS	no	
		GW8	Vinyl Chloride		Annual	-	<1	ug/l		DWS	no	
		GW8	Bromomethane		Annual	-	<1	ug/l		DWS	no	
		GW8	Trichloromonofluoromethane		Annual	-	<1	ug/l		DWS	no	
		GW8	Ethyl Ether/Diethyl Ether		Annual	-	<1	ug/l		DWS	no	
		GW8	11 Dichloroethene		Annual	-	<1	ug/l		DWS	no	
		GW8	Iodomethane/Methyl Iodide		Annual	-	<1	ug/l		DWS	no	
		GW8	Carbon Disulphide		Annual	-	<1	ug/l		DWS	no	
		GW8	Allyl Chloride		Annual	-	<1	ug/l		DWS	no	
		GW8	Chlormethyl Cyanide/Chloroacetonitrile		Annual	-	<1	ug/l		DWS	no	
		GW8	Propanenitrile		Annual	-	<1	ug/l		DWS	no	
		GW8	Trans-1,2 Dichloroethene		Annual	-	<1	ug/l		DWS	no	
		GW8	MtBE		Annual	-	<1	ug/l		DWS	no	
		GW8	1,1-dichloroethane		Annual	-	<1	ug/l		DWS	no	
		GW8	2,2-dichloropropane		Annual	-	<1	ug/l		DWS	no	
		GW8	cis-12 Dichloroethene		Annual	-	<1	ug/l		DWS	no	
		GW8	2-Butanone		Annual	-	<1	ug/l		DWS	no	
		GW8	Methyl Acrylate		Annual	-	<1	ug/l		DWS	no	
		GW8	Bromochloromethane		Annual	-	<1	ug/l		DWS	no	
		GW8	Methacrylonitrile		Annual	-	<1	ug/l		DWS	no	
		GW8	1,1,1-trichloroethane		Annual	-	<1	ug/l		DWS	no	
		GW8	1-Chlorobutane		Annual	-	<1	mg/l		DWS	no	
		GW8	Carbon Tetrachloride		Annual	-	<1	ug/l		DWS	no	
		GW8	11 Dichloropropene		Annual	-	<1	ug/l		DWS	no	

Groundwater/Soil monitoring template						Lic No:	W0023-1		Year	2016		
		GW8	1,2 dicloroethane		Annual	-	<1	mg/l		DWS	no	
		GW8	1,2-dichloropropane		Annual	-	<1	mg/l		DWS	no	
		GW8	Dibromomethane		Annual	-	<1	mg/l		DWS	no	
		GW8	Methyl Methacrylate		Annual	-	<1	mg/l		DWS	no	
		GW8	13 Dichloropropene,cis		Annual	-	<1	ug/l		DWS	no	
		GW8	MIBK/4 Methyl 2 Pentanone		Annual	-	<1	ug/l		DWS	no	
		GW8	13 Dichloropropene,trans		Annual	-	<1	ug/l		DWS	no	
		GW8	Ethyl Methacrylate		Annual	-	<1	ug/l		DWS	no	
		GW8	112 Trichloroethane		Annual	-	<1	ug/l		DWS	no	
		GW8	1,3-dichloropropane		Annual	-	<1	ug/l		DWS	no	
		GW8	2-Hexanone		Annual	-	<1	ug/l		DWS	no	
		GW8	1,2-dibromoethane		Annual	-	<1	ug/l		DWS	no	
		GW8	Chlorobenzene		Annual	-	<1	ug/l	100 ug/l	DWS	no	
		GW8	1,1,1,2-tetrachloroethane		Annual	-	<1	ug/l		DWS	no	
		GW8	Ethylbenzene		Annual	-	<1	ug/l	300 ug/l	DWS	no	
		GW8	Xylene P&M		Annual	-	<1	ug/l		DWS	no	
		GW8	Styrene		Annual	-	<1	ug/l		DWS	no	
		GW8	Isopropylbenzene		Annual	-	<1	ug/l		DWS	no	
		GW8	Bromobenzene		Annual	-	<1	ug/l		DWS	no	
		GW8	1,1,2,2-tetrachloroethane		Annual	-	<1	ug/l		DWS	no	
		GW8	1,2,3-trichloropropane		Annual	-	<1	ug/l		DWS	no	
		GW8	Trans 14 Dichloro 2 Butene, tran		Annual	-	<1	ug/l		DWS	no	
		GW8	Propylbenzene		Annual	-	<1	ug/l		DWS	no	
		GW8	2-chlorotoluene		Annual	-	<1	ug/l		DWS	no	
		GW8	4-chlorotoluene		Annual	-	<1	ug/l		DWS	no	
		GW8	1,3,5-trimethylbenzene		Annual	-	<1	ug/l		DWS	no	
		GW8	Tert Butyl Benzene		Annual	-	<1	ug/l		DWS	no	
		GW8	1,2,4-trimethylbenzene		Annual	-	<1	ug/l		DWS	no	
		GW8	sec-butylbenzene		Annual	-	<1	ug/l		DWS	no	
		GW8	P Isopropyltoluene		Annual	-	<1	ug/l		DWS	no	
		GW8	N Butyl Benzene		Annual	-	<1	ug/l		DWS	no	
		GW8	1,2-dibromo-3-chloropropane		Annual	-	<1	ug/l		DWS	no	
		GW8	1,2,3-trichlorobenzene		Annual	-	<1	ug/l		DWS	no	
		GW8	VOC		Annual	-	<1	ug/l	<0.5	DWS	no	
		GW8	SVOC		Annual	-	<1	ug/l	<5.0	DWS	no	
		GW8	Total pesticidies		Annual	-	<0.01	ug/l	0.5	DWS	no	
		GW8	OPP		Annual	-	<0.01	ug/l		DWS	no	
		GW8	OCP		Annual	-	<0.01	ng/l		DWS	no	
		GW8	Triazine Herbicides		Annual	-	<0.01	ug/l	0.1 ug/l	DWS	no	
	* please note exceedance of a relevant Groundwater threshold value (GTV) at a representative monitoring point does not indicate non compliance, an exceedance triggers further investigation to confirm whether the criteria for poor groundwater chemical status are being met.											
	**Depending on location of the site and proximity to other sensitive receptors alternative Receptor based Water Quality standards should be used in addition to the GTV e.g. if the site is close to surface water compare to Surface Water Environmental Quality Standards (SWEQS), If the site is close to a drinking water supply compare results to the Drinking Water Standards (DWS)								Surface water EQS	Groundwater regulations GTV's	Drinking water (public supply) standards	Interim Guideline Values (IGV)
Table 3: Soil results												
	Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration	Average Concentration	unit				
								SELECT				
								SELECT				

Groundwater/Soil monitoring template						Lic No:	W0023-1		Year	2016		
		Where additional detail is required please enter it here in 200 words or less										

Environmental Liabilities template	Lic No:	W0023-1	Year	2016

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

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

Environmental Management Programme/Continuous Improvement Programme template

Lic No: W0023-1 Year 2016

Highlighted cells contain dropdown menu click to view

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

Environmental Management Programme (EMP) report

Objective Category	Target	Status (% completed)	How target was progressed	Responsibility	Intermediate outcomes
Additional improvements	Re-line the roadways on the forecourt of the site-2015-2016	90		Individual	Installation of infrastructure
Additional improvements	increase recycling of materials during customers Visits through education and school visits 2015-2017	50		Individual	Installation of infrastructure
Energy Efficiency/Utility conservation	to reduce energy usage on site	40	energy	Individual	Installation of infrastructure
Additional improvements	accept food waste on site	90		Individual	Improved Environmental Management Practices

Noise monitoring summary report	Lic No:	W0023-1	Year	2016

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

Table N1: Noise monitoring summary

Date of monitoring	Time period	Noise location (on site)	Noise sensitive location -NSL (if applicable)	LA_{eq}	LA_{90}	LA_{10}	LA_{max}	Tonal or Impulsive noise* (Y/N)	If tonal /impulsive noise was identified was 5dB penalty applied?	Comments (ex. main noise sources on site, & extraneous noise ex. road traffic)	Is site compliant with noise limits (day/evening/night)?
27/01/2016	30 min	N1		56.7	39.3	61.6	68.7	No	No	road traffic and noise from scaffolding compnay	Yes
				50.9	39	54.8	71.4	No	No		Yes
				45.8	32.6	49.2	65	No	No	road traffic	Yes
		N2		50.6	34.5	45.6	74.4	No	No		Yes
				51.6	32.5	49.2	74.4	No	No		Yes
				52.5	32.4	51.8	75.1	No	No		Yes
		N3		54.1	31.6	53.4	73.8	No	No	road traffic	Yes
				55	31.1	55.4	75.1	No	No		Yes
				55.7	32	54.8	76.4	No	No		Yes
		N4		56.5	41.8	61.4	71.2	No	No	raod traffic	Yes
				57.3	41.3	62.3	81.5	No	No	dogs barking	Yes
				57.8	42.8	62.3	73.9	No	No		Yes

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

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

** please explain the reason for not taking action/resolution of noise issues?
Any additional comments? (less than 200 words)

Resource Usage/Energy efficiency summary	Lic No:	W0023-1	Year	2016

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

Table R1 Energy usage on site

Energy Use	Previous year	Current year (2016)	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*			
Total Energy Used (MWHrs)	0.0323	0.0317	-1.98%		32,327	31,687	-640
Total Energy Generated (MWHrs)							-1.979769233
Total Renewable Energy Generated (MWHrs)							
Electricity Consumption (MWHrs)	0.0323	0.0317	-1.98%				
Fossil Fuels Consumption:	N/A	N/A	N/A	N/A			
Heavy Fuel Oil (m3)	N/A	N/A	N/A	N/A			
Light Fuel Oil (m3)	N/A	N/A	N/A	N/A			
Natural gas (CMN)	N/A	N/A	N/A	N/A			
Coal/Solid fuel (metric tonnes)	N/A	N/A	N/A	N/A			
Peat (metric tonnes)	N/A	N/A	N/A	N/A			
Renewable Biomass	N/A	N/A	N/A	N/A			
Renewable energy generated on site	N/A	N/A	N/A	N/A			

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

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

Table R2 Water usage on site

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

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

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

Table R3 Waste Stream Summary

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

Resource Usage/Energy efficiency summary

Lic No: W0023-1 Year 2016

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 2016

Complaints

Have you received any environmental complaints in the current reporting year? If yes please complete summary details of complaints received on site in table 1 below	No	Additional information

Table 1 Complaints summary

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

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

Incidents

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

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

Table 2 Incidents summary

Date of occurrence	Incident nature	Location of occurrence	Incident category*please refer to guidance	Receptor	Cause of incident	Other cause(please specify)	Activity in progress at time of incident	Communication	Occurrence	Corrective action<20 words	Preventative action <20 words	Resolution status	Resolution date	Liklihood of reoccurence
08/01/16	Spillage	Other location (please specif	1. Minor	Water	Adverse weather		Normal activities	EPA	New	Spillage occured due t	Leachate tank	Ongoing		Low
	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

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

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

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

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

			Additional Information
1	Were any wastes accepted onto your site for recovery or disposal or treatment prior to recovery or disposal within the boundaries of your facility ?; (waste generated within your boundaries is to be captured through PRTR reporting) If yes please enter details in table 1 below	SELECT	
2	Did your site have any rejected consignments of waste in the current reporting year? If yes please give a brief explanation in the additional information	SELECT	
3	Was waste accepted onto your site that was generated outside the Republic of Ireland? If yes please state the quantity in tonnes in additional information	SELECT	

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

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

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

4 Is all waste processing infrastructure as required by your licence and approved by the Agency in place? If no please list waste processing infrastructure required onsite	SELECT	
5 Is all waste storage infrastructure as required by your licence and approved by the Agency in place? If no please list waste storage infrastructure required on site	SELECT	
6 Does your facility have relevant nuisance controls in place?	SELECT	
7 Do you have an odour management system in place for your facility? If no why?	SELECT	
8 Do you maintain a sludge register on site?	SELECT	

SECTION D-TO BE COMPLETED BY LANDFILL SITES ONLY

Table 2 Waste type and tonnage-landfill only

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

Table 3 General information-Landfill only

Area ID	Date landfilling commenced	Date landfilling ceased	Currently landfilling	Private or Public Operated	Inert or non-hazardous	Predicted date to cease landfilling	Licence permits asbestos	Is there a separate cell for asbestos?	Accepted asbestos in reporting year	Total disposal area occupied by waste SELECT UNIT	Lined disposal area occupied by waste SELECT UNIT	Unlined area SELECT UNIT	Comments on liner type
Cell 8													

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

Was meterological monitoring in compliance with Landfill Directive (LD) standard in reporting year +	Was leachate monitored in compliance with LD standard in reporting year	Was Landfill Gas monitored in compliance with LD standard in reporting year	Was SW monitored in compliance with LD standard in reporting year	Have GW trigger levels been established	Were emission limit values agreed with the Agency (ELVs)	Was topography of the site surveyed in reporting year	Has the statement under S53(A)(5) of WMA been submitted in reporting year	Comments

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

Table 5 Capping-Landfill only

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

*please note this includes daily cover area

Table 6 Leachate-Landfill only

9	Is leachate from your site treated in a Waste Water Treatment Plant?	SELECT
10	Is leachate released to surface water? If yes please complete leachate mass load information below	SELECT

Volume of leachate in reporting year(m3)	Leachate (BOD) mass load (kg/annum)	Leachate (COD) mass load (kg/annum)	Leachate (NH4) mass load (kg/annum)	Leachate (Chloride) mass load kg/annum	Leachate treatment on-site	Specify type of leachate treatment	Comments

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

Table 7 Landfill Gas-Landfill only

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