SELECT	cells that are highlighted blue cont
guidance document link	cells that contain underlined text c
Table heading *	table headings followed by a symb
Cells with red indicator in top right corner	cells that have a red indicator in th

:ain a dropdown menu click to select one option from the list

:lick to access relevant guidance documents for this section

ol have an associated footnote or instructions

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

Facility Information Sum	imary	1	
AER Reporting Year	2015	<u> </u>	
Licence Register Number	W0023-1		
Name of site	RAFFEE	EN CAS AND LANDFILL (CLOSED)	
Site Location	Cork County C	Council, Raffeen, Monkstown, CO. Corl	ĸ
NACE Code		3821	
Class/Classes of Activity		5(c), 5(d), 50.1	
National Grid Reference (6E, 6 N)		1751E 0654N	
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 <b>and an overview of</b> <b>compliance with your licence</b> <u>listing all</u> <u>exceedances of licence limits (where</u> <u>applicable) and what they relate to e.g. air,</u> water, noise.	cans, glass bottles, ru Fluorescent Tubes, S has been open to tl	ubble/DIY, paper, Cardboard, Newpape Scrap Metal, Timber, Flat Glass, Green he public for recycling and disposal sir	naterials such as Domestic waste, food cans, beverage ers and Magazines, Paint, Batteries, Waste Engine Oil, Waste, Textiles, Waste Cooking Oil & WEEE. The CAS nce late 2005. The attached landfill was in operation against the facility during 2015. Overall the site has ith its licence

3

# **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

Varl allin

Group/Facility manager (or nominated, suitably qualified and

experienced deputy)

### AIR-summary template

Answer all questions and complete all tables where relevant

Lic No: W0023-1

2015

Year

Additional information

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 <u>do not</u> need to complete the tables

 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 Basic air guidance note AG2 and using the basic air monitoring checklist?
 Monitoring carried out in accordance with EPA Basic air monitoring checklist?

Yes

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

Emission		Frequency of	ELV in licence or any revision				Compliant with		Annual mass	Comments -reason for change in % mass load from previous year if
reference no:	Parameter/ Substance	Monitoring	therof	Licence Compliance criteria	Measured value	measurement	licence limit	Method of analysis	load (kg)	applicable
Flare Stack	Methane (CH4)	Continuous	N/A	SELECT	60298	m3	yes	MAB		
Flare Stack	Carbon dioxide (CO2)	Continuous	N/A	SELECT	43758	m3	yes	ISO 12039:2001		
Flare Stack	Carbon monoxide (CO)	Continuous		No 30min mean can exceed the ELV	5.48	mg/Nm3	yes	ISO 12039:2001		
Flare Stack	Nitrogen oxides (NOx/NO2)	Annual	<150mg/Nm3	No 30min mean can exceed the ELV	26.77	mg/Nm3	yes	EN 14792:2005		
Flare Stack	Sulphur oxides (SOx/SO2)	Annual	N/A	SELECT	23.5	mg/Nm3	yes	EN 14791:2005		
	SELECT			SELECT		SELECT	SELECT	SELECT		

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

AIR-summary template	Lic No:	W0023-1	Year	2015
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)				
<sup>5</sup> Did continuous monitoring equipment experience downtime? If yes please record downtime in table 3 below	Yes			
, , , , , , , , , , , , , , , , , , , ,	Yes No			

	Parameter/ Substance		00	Compliance Criteria	Units of	Annual Emission	0	Number of ELV	Comments
reference no:			Period		measurement		Equipment	exceedences in	
		ELV in licence or					downtime (hours)	current	
		any revision						reporting year	
		therof							
Flare Stack	PRTR	N/A	12 month	100 % of values < ELV	m3				
	SELECT				SELECT				
	SELECT				SELECT				
	SELECT				SELECT				
	SELECT				SELECT				

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

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

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

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

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

	AIR-summary	template				Lic No:	W0023-1		Year	2015	
	Solvent u	use and managemen	t on site								
8	Do you have a tota	l Emission Limit Value of d	irect and fugitive e	emissions on site	? if yes please fill out tables A4 a	nd A5		SELECT			
		ent Management Pla ssion limit value	n Summary	Solvent regulations	Please refer to linked solver complete table 5						
	Reporting year	Total solvent input on site (kg)	Total VOC emissions to Air from entire site		Total Emission Limit Value (ELV) in licence or any revision therof	Compliance					
						SELECT					
						SELECT					
	Table A5: S	olvent Mass Balance	e summary							1	
		(I) Inputs (kg)				(O) Outputs (kg)					
	Solvent	(I) Inputs (kg)		Solvents lost in water (kg)	Collected waste solvent (kg)	Fugitive Organic Solvent (kg)	Solvent released in other ways e.g. by-	Solvents destroyed	Total emission of Solvent to air (kg)		
			cillission III	mater (ng)		55.0 Circ (Ng)	outer ways e.g. by-	onone unougn	source to an (kg)		
								Total			

mary template-WATER/WASTEWATER(SEWER)										
mary template-W	ATER/WASTEWAT	'ER(SEWER)				Lic No:	W0023-1		Year	2015
							,	Additional information		
W2 and W3 belo	ow for the current re	licensed emissions direct to surface water or direct to sewer? If yes please complete table for the current reporting year and answer further questions. If <b>you do not have</b> licenced <u>y</u> need to complete table W1 and or W2 for surface water analysis and visual inspections								
	Was it a requirement of your licence to carry out visual inspections on a ratercourses on or near your site? If yes please complete table W2 below		N2 below summarising onl		No					
	conta	mination noted during visua	l inspections		No					
Tab	ole W1 Surface wate	er 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		Unit of measurement	Compliant with licence	Comments
SW1		SELECT	Ammonia (as N)	. 05/01/15		N/A	0.03	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	16/01/15 21/01/15		N/A	0.006	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N) Ammonia (as N)	21/01/15		N/A N/A	<0.002	mg/L mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N) Ammonia (as N)	02/04/2015		N/A N/A	0.005	mg/L mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	02/09/2015		N/A	0.000	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	20/2/2015		N/A	0.074	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	26/2/2015		N/A	0.045	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	03/05/2015		N/A	0.029	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	03/12/2015		N/A	0.124	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	19/03/15		N/A	<0.005	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	27/3/2015		N/A	0.052	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N) Ammonia (as N)	04/02/2015		N/A N/A	0.017	mg/L mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N) Ammonia (as N)	04/10/2015		N/A N/A	0.063	mg/L mg/L	SELECT	WEEKLY
	-	SELECT	Ammonia (as N)	23/04/15	-	N/A	0.013	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	30/04/15		N/A	0.062	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	05/08/2015		N/A	0.025	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	15/05/15		N/A	0.006	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	28/05/15		N/A	0.029	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	30/06/15		N/A	0.025	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	07/08/15		N/A	0.05	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	15/7/2015		N/A	0.05	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N) Ammonia (as N)	21/7/2015 30/7/2015		N/A N/A	0.03	mg/L mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	08/04/15		N/A	0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	13/8/2015		N/A	0.04	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	18/8/2015		N/A	0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	27/8/2015		N/A	0.05	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	09/01/15		N/A	0.08	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	09/11/15	-	N/A	0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	15/9/2015		N/A	<0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N) Ammonia (as N)	24/9/2015 10/01/2015	-	N/A N/A	0.03	mg/L mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N) Ammonia (as N)	10/01/2015		N/A N/A	<0.02	mg/L mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N) Ammonia (as N)	14/10/2015	-	N/A N/A	0.02	mg/L mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	20/10/2015		N/A	0.03	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	29/10/2015		N/A	0.04	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	11/06/2015		N/A	0.04	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	13/11/2015		N/A	<0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	17/11/2015		N/A	0.21	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N) Ammonia (as N)	27/11/2015		N/A N/A	<0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N) Ammonia (as N)	12/01/2015		N/A N/A	0.04	mg/L mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	14/12/2015		N/A	0.12	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	21/12/2015		N/A	0.12	mg/L	SELECT	WEEKLY
SW2		SELECT	Ammonia (as N)	. 05/01/15		N/A	29	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	16/01/15		N/A	18.7	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	21/01/15		N/A	25.4	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	28/01/15		N/A	20.6	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	02/04/2015		N/A	28.6	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N) Ammonia (as N)	02/09/2015 20/2/2015		N/A N/A	27.9 36.8	mg/L mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N) Ammonia (as N)	20/2/2015 26/2/2015		N/A N/A	36.8	mg/L mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N) Ammonia (as N)	03/05/2015		N/A N/A	29.8	mg/L mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	03/12/2015		N/A N/A	24.5	mg/L	SELECT	WEEKLY
		JEECO	/ (03 14)	03/11/2013		1/4	24.5	IIIg/ L	SELLET	

mary template-W	ATER/WASTEWA					Lic No:	W0023-1		Year	2015	
		SELECT	Ammonia (as N)	19/03/15		N/A	25.4	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	27/3/2015		N/A	29.5	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	04/02/2015		N/A	28.7	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	04/10/2015		N/A	27.8	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	17/04/15		N/A	17.3	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	23/04/15		N/A	27.4	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	30/04/15		N/A	27	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	05/08/2015		N/A	17.8	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	15/05/15		N/A	26.8	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	28/05/15		N/A	24.5	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	30/06/15		N/A	38.5	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	07/08/15		N/A	25.3	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	15/7/2015		N/A	23.3	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	21/7/2015		N/A	23.7	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	30/7/2015		N/A	20.7	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	08/04/15		N/A	23.3	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	13/8/2015		N/A	24.4	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	18/8/2015		N/A	25.2	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	27/8/2015		N/A	24	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	09/01/15		N/A	23.4	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	09/11/15		N/A	22.6	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	15/9/2015		N/A	22	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	24/9/2015		N/A	22.7	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	10/01/2015		N/A	23.2	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	10/09/2015		N/A	21.9	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	14/10/2015		N/A	25.2	mg/L	SELECT	WEEKLY	
		SELECT		20/10/2015		N/A		mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	29/10/2015		N/A		mg/L	SELECT	WEEKLY	
		SELECT		11/06/2015		N/A		mg/L	SELECT	WEEKLY	
h		SELECT	Ammonia (as N)	13/11/2015		N/A N/A		mg/L	SELECT	WEEKLY	
h		SELECT	Ammonia (as N)	17/11/2015		N/A		mg/L	SELECT	WEEKLY	
h		SELECT	Ammonia (as N)	27/11/2015		N/A N/A		mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	12/01/2015		N/A		mg/L	SELECT	WEEKLY	
h		SELECT	Ammonia (as N)	12/01/2015		N/A	14.5	mg/L	SELECT	WEEKLY	
h		SELECT		14/12/2015		N/A N/A	14.5	mg/L	SELECT	WEEKLY	
h		SELECT	Ammonia (as N) Ammonia (as N)	21/12/2015		N/A N/A	26.6	mg/L mg/L	SELECT	WEEKLY	
SW2A		SELECT	Ammonia (as N)	. 05/01/15		N/A N/A	0.156	mg/L mg/L	SELECT	WEEKLY	
5.12h		SELECT		16/01/15		N/A N/A	0.19	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N) Ammonia (as N)	21/01/15		N/A N/A	0.19	mg/L	SELECT	WEEKLY	
-		SELECT		21/01/15 28/01/15	<u> </u>	N/A N/A	0.244	mg/L mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	02/04/2015		N/A N/A	0.218	mg/L	SELECT	WEEKLY	
-		SELECT	Ammonia (as N) Ammonia (as N)	02/04/2015	<del>   </del>	N/A N/A	0.457	mg/L mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N) Ammonia (as N)	20/2/2015		N/A N/A	0.418	mg/L mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N) Ammonia (as N)	20/2/2015 26/2/2015		N/A N/A	0.412	mg/L mg/L	SELECT	WEEKLY	
-		SELECT	Ammonia (as N) Ammonia (as N)		<del>   </del>	N/A N/A	0.276	mg/L mg/L	SELECT	WEEKLY	
-				03/05/2015	<del>   </del>		0.261			WEEKLY	
		SELECT	Ammonia (as N)	03/12/2015 19/03/15	+ +	N/A N/A	0.172	mg/L	SELECT	WEEKLY	
			Ammonia (as N)					mg/L			
<u> </u>		SELECT	Ammonia (as N)	27/3/2015		N/A	0.293	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	04/02/2015		N/A	0.38	mg/L	SELECT		
		SELECT	Ammonia (as N)	04/10/2015		N/A	0.415	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	17/04/15	<u>                                     </u>	N/A	0.681	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	23/04/15		N/A	0.418	mg/L	SELECT		
		SELECT	Ammonia (as N)	30/04/15	<u> </u>	N/A	8.71	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	05/08/2015		N/A	0.201	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	15/05/15	├	N/A	0.153	mg/L	SELECT	WEEKLY	
<b> </b>		SELECT	Ammonia (as N)	28/05/15		N/A	0.25	mg/L	SELECT	WEEKLY	
<b> </b>		SELECT	Ammonia (as N)	30/06/15		N/A	0.207	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	07/08/15		N/A	0.2	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	15/7/2015		N/A	0.25	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	21/7/2015		N/A	0.25	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	30/7/2015		N/A	0.21	mg/L	SELECT	WEEKLY	
L		SELECT	Ammonia (as N)	08/04/15		N/A	0.18	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	13/8/2015		N/A	0.21	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	18/8/2015		N/A	0.18	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	27/8/2015		N/A	0.26	mg/L	SELECT	WEEKLY	
1		SELECT		09/01/15		N/A	0.25	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	09/11/15		N/A	0.12	mg/L	SELECT	WEEKLY	
			Ammonia (as N)	15/9/2015		N/A		mg/L	SELECT	WEEKLY	
		SELECT	Annonia (as iv)					11	051507	LAUE ENGLY	
		SELECT	Ammonia (as N)	24/9/2015		N/A	0.13	mg/L	SELECT	WEEKLY	
						N/A N/A		mg/L mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	24/9/2015							
		SELECT	Ammonia (as N) Ammonia (as N)	24/9/2015 10/01/2015		N/A	0.16	mg/L	SELECT	WEEKLY WEEKLY WEEKLY	
		SELECT SELECT SELECT	Ammonia (as N) Ammonia (as N) Ammonia (as N) Ammonia (as N)	24/9/2015 10/01/2015 10/09/2015		N/A N/A	0.16	mg/L mg/L	SELECT	WEEKLY	

					 				_
mary template-V	ATER/WASTEWA				Lic No:	W0023-1		Year	2015
		SELECT	Ammonia (as N)	29/10/2015	N/A	0.09	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	11/06/2015	N/A	0.11	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	13/11/2015	 N/A	0.08	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	17/11/2015	N/A	0.24	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	27/11/2015	N/A	0.2	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	12/01/2015	 N/A	0.2	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	12/08/15	N/A	0.23	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	14/12/2015	N/A	0.25	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	21/12/2015	N/A	0.5	mg/L	SELECT	WEEKLY
SW2B		SELECT	Ammonia (as N)	05/01/15	N/A	1.77	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	16/01/15	N/A	5.6	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	21/01/15	N/A	1.87	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	28/01/15	N/A	4.52	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	02/04/2015	N/A	4.95	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	02/09/2015	N/A	1.79	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	20/2/2015	N/A	1.82	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	26/2/2015	N/A	1.4	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	03/05/2015	N/A	7.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	03/12/2015	N/A	0.472	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	19/03/15	N/A	0.692	mg/L		WEEKLY
		SELECT	Ammonia (as N)	27/3/2015	N/A	2.95	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	04/02/2015	N/A	3.01	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	04/10/2015	N/A	17.1	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	17/04/15	N/A	1.58	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	23/04/15	N/A	0.886	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	30/04/15	N/A	0.355	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	05/08/2015	N/A	13.3	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	15/05/15	N/A	0.959	mg/L		WEEKLY
		SELECT	Ammonia (as N)	28/05/15	N/A	25.3	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	30/06/15	N/A N/A	25.5	mg/L		WEEKLY
		SELECT	Ammonia (as N)	07/08/15	N/A N/A	12.5	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	15/7/2015	N/A N/A	5.7	mg/L		WEEKLY
		SELECT	Ammonia (as N) Ammonia (as N)	21/7/2015	N/A N/A	7.65	mg/L mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	30/7/2015	N/A	4.45	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	08/04/15	N/A N/A	4.43	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N) Ammonia (as N)	13/8/2015	N/A N/A	2.22	mg/L mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	18/8/2015	N/A N/A	3.88	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N) Ammonia (as N)	27/8/2015	N/A N/A	1.93	mg/L mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	09/01/15	N/A N/A	0.29	mg/L	SELECT	WEEKLY
		SELECT			N/A N/A	2.95		SELECT	WEEKLY
		SELECT	Ammonia (as N) Ammonia (as N)	09/11/15	N/A N/A	2.95	mg/L mg/L	SELECT	WEEKLY
				24/9/2015		9.71		SELECT	WEEKLY
		SELECT SELECT	Ammonia (as N) Ammonia (as N)	24/9/2015	N/A N/A	9.71	mg/L mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	10/09/2015	N/A N/A	9.58 9.87	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	14/10/2015			mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	20/10/2015	N/A	9.81 4.82	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	29/10/2015	N/A N/A		mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	11/06/2015		2.7	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	13/11/2015	N/A		mg/L	SELECT	
		SELECT	Ammonia (as N)	17/11/2015	N/A	0.56	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	27/11/2015	N/A	4.64	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	12/01/2015	N/A	5.89	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	12/08/15	N/A	0.33	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	14/12/2015	N/A	0.35	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	21/12/2015	N/A	1.05	mg/L	SELECT	WEEKLY
SW3		SELECT	Ammonia (as N)	05/01/15	N/A	2.24	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	16/01/15	N/A	0.699	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	21/01/15	N/A	2.47	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	28/01/15	N/A	2.96	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	02/04/2015	N/A	5.05	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	02/09/2015	N/A	5.25	mg/L		WEEKLY
		SELECT	Ammonia (as N)	20/2/2015	N/A	5.25	mg/L		WEEKLY
		SELECT	Ammonia (as N)	26/2/2015	 N/A	3.95	mg/L		WEEKLY
		SELECT	Ammonia (as N)	03/05/2015	 N/A	3.93	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	03/12/2015	 N/A	1.6	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	19/03/15	 N/A	1.61	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	27/3/2015	N/A	5.67	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	04/02/2015	 N/A	4.95	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	04/10/2015	N/A	4.1	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	17/04/15	N/A	0.763	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	23/04/15	N/A	8.74	mg/L		WEEKLY
		SELECT	Ammonia (as N)	30/04/15	N/A	2.39	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	05/08/2015	N/A	1.92	mg/L	SELECT	WEEKLY
		JEECON	(d3 14)	03/00/2013	-N/A	1.92	115/1	50000	

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ary template-W	ATER/WASTEWAT	ER(SEWER)			Lic No:	W0023-1		Year	2015	
		SELECT	Ammonia (as N)	15/05/15	N/A	2.52	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	28/05/15	N/A	0.591	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	30/06/15	N/A	7.29	mg/L		WEEKLY	
		SELECT	Ammonia (as N)	07/08/15	N/A	4.12	mg/L		WEEKLY	
		SELECT	Ammonia (as N)	15/7/2015	N/A	4.15	mg/L		WEEKLY	
		SELECT	Ammonia (as N)	21/7/2015	N/A	4.06	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	30/7/2015	N/A	2.52	mg/L		WEEKLY	
		SELECT	Ammonia (as N)	08/04/15	N/A	3.43	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	13/8/2015	N/A	3.84	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	18/8/2015	N/A	5.17	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	27/8/2015	N/A	3.92	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	09/01/15	N/A N/A	4.3		SELECT	WEEKLY	
		SELECT	Ammonia (as N)	09/11/15	 N/A N/A	4.3	mg/L mg/L	SELECT	WEEKLY	
		SELECT		15/9/2015	N/A N/A	1.52		SELECT	WEEKLY	
			Ammonia (as N)				mg/L		WEEKLY	
		SELECT	Ammonia (as N)	24/9/2015	 N/A	2.31	mg/L	SELECT		
		SELECT	Ammonia (as N)	10/01/2015	 N/A	4.04	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	10/09/2015	N/A	4.72	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	14/10/2015	N/A	7.53	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	20/10/2015	N/A	8.78	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	29/10/2015	N/A	2.46	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	11/06/2015	N/A	2.37	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	13/11/2015	N/A	1.71	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	17/11/2015	N/A	0.97	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	27/11/2015	N/A	1.62	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	12/01/2015	N/A	3.32	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	12/08/15	N/A	1.18	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	14/12/2015	N/A	1.55	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	21/12/2015	N/A	2.81	mg/L	SELECT	WEEKLY	
sw4		SELECT	Ammonia (as N)	05/01/15	N/A	0.129	mg/L	SELECT	WEEKLY	
3444		SELECT	Ammonia (as N) Ammonia (as N)	16/01/15	N/A N/A	0.042	mg/L	SELECT	WEEKLY	
						0.042			WEEKLY	
		SELECT	Ammonia (as N)	21/01/15	N/A		mg/L	SELECT		
		SELECT	Ammonia (as N)	28/01/15	N/A	0.066	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	02/04/2015	N/A	0.07	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	02/09/2015	 N/A	0.059	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	20/2/2015	N/A	0.058	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	26/2/2015	N/A	0.079	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	03/05/2015	N/A	0.06	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	03/12/2015	N/A	0.112	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	19/03/15	N/A	0.042	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	27/3/2015	N/A	0.105	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	04/02/2015	N/A	0.078	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	04/10/2015	N/A	0.198	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	17/04/15	N/A	0.07	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	23/04/15	N/A	0.11	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	30/04/15	N/A	0.099	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	05/08/2015	N/A	0.115	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	15/05/15	N/A	0.031	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	28/05/15	N/A	0.037	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	30/06/15	N/A N/A	0.027	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N) Ammonia (as N)	30/06/15	N/A N/A	0.084		SELECT	WEEKLY	
		SELECT			N/A N/A	0.04	mg/L mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	15/7/2015 21/7/2015	N/A N/A	0.04		SELECT	WEEKLY	
			Ammonia (as N)				mg/L			
		SELECT	Ammonia (as N)	30/7/2015 08/04/15	N/A	0.1	mg/L		WEEKLY	
		SELECT	Ammonia (as N)		N/A	0.02	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	13/8/2015	N/A	<0.02	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	18/8/2015	N/A	0.03	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	27/8/2015	N/A	0.08	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	09/01/15	N/A	0.04	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	09/11/15	N/A	0.02	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	15/9/2015	N/A	<0.02	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	24/9/2015	N/A	0.03	mg/L	SELECT	WEEKLY	
_		SELECT	Ammonia (as N)	10/01/2015	N/A	0.19	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	10/09/2015	N/A	0.02	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	14/10/2015	N/A	0.04	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	20/10/2015	N/A	0.02	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	29/10/2015	N/A	0.04	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N)	11/06/2015	N/A	0.04	mg/L	SELECT	WEEKLY	
		SELECT	Ammonia (as N) Ammonia (as N)	13/11/2015	N/A N/A	<0.02		SELECT	WEEKLY	
							mg/L		WEEKLY	
		SELECT	Ammonia (as N)	17/11/2015	N/A	0.21	mg/L	SELECT		
		SELECT	Ammonia (as N)	27/11/2015	N/A	0.03	mg/L	SELECT	WEEKLY	
			Ammonia (as N)	12/01/2015	N/A	0.02	mg/L	SELECT	WEEKLY	
		SELECT								
		SELECT SELECT SELECT	Ammonia (as N) Ammonia (as N)	12/08/15	N/A N/A	0.06	mg/L mg/L	SELECT	WEEKLY	

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		SELECT	Ammonia (as N)	21/12/2015		N/A	0.21	mg/L		
SW5		SELECT	Ammonia (as N)	05/01/15		N/A	<0.005	mg/L	SELECT	WEEKLY
		SELECT		16/01/15		N/A	<0.005	mg/L		
		SELECT	Ammonia (as N)	21/01/15		N/A	<0.005	mg/L		
		SELECT		28/01/15		N/A	<0.005	mg/L		
		SELECT	Ammonia (as N)	02/04/2015		N/A	0.008	mg/L		
		SELECT	Ammonia (as N)	02/09/2015		N/A	0.032	mg/L	SELECT	
		SELECT	Ammonia (as N)	20/2/2015		N/A	<0.005	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	26/2/2015		N/A	<0.005	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	03/05/2015		N/A	0.037	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	03/12/2015		N/A	<0.005	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	19/03/15		N/A	<0.005	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	27/3/2015		N/A		mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	04/02/2015		N/A	0.007	mg/L		WEEKLY
		SELECT	Ammonia (as N) Ammonia (as N)	04/10/2015		N/A N/A	<0.005	mg/L		WEEKLY
		SELECT	Ammonia (as N) Ammonia (as N)	23/04/15		N/A N/A	<0.005	mg/L	SELECT	WEEKLY
		SELECT		23/04/15				mg/L		WEEKLY
		SELECT	Ammonia (as N) Ammonia (as N)	30/04/15		N/A N/A	0.022	mg/L		WEEKLY
		SELECT	Ammonia (as N) Ammonia (as N)	05/08/2015 15/05/15		N/A N/A	<0.005	mg/L mg/L		WEEKLY
		SELECT	Ammonia (as N) Ammonia (as N)	15/05/15 28/05/15		N/A N/A	<0.005	mg/L mg/L		
		SELECT	Ammonia (as N) Ammonia (as N)	28/05/15 30/06/15		N/A N/A	<0.033	mg/L mg/L		
		SELECT	Ammonia (as N) Ammonia (as N)			N/A N/A	<0.005			
		SELECT	Ammonia (as N) Ammonia (as N)	15/7/2015		N/A N/A	<0.02	mg/L		WEEKLY
		SELECT	Ammonia (as N) Ammonia (as N)	21/7/2015		N/A N/A	<0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N) Ammonia (as N)	21/7/2015 30/7/2015		N/A N/A	<0.02	mg/L mg/L		
		SELECT	Ammonia (as N) Ammonia (as N)	08/04/15		N/A N/A	<0.02	mg/L	SELECT	
		SELECT	Ammonia (as N)	13/8/2015		N/A N/A	<0.02	mg/L	SELECT	
		SELECT	Ammonia (as N)	18/8/2015		N/A	**	mg/L	SELECT	
		SELECT	Ammonia (as N)	27/8/2015		N/A N/A	0.05			
		SELECT	Ammonia (as N)	09/01/15		N/A	**	mg/L		
		SELECT	Ammonia (as N)	09/11/15		N/A	<0.02			
		SELECT	Ammonia (as N)	15/9/2015		N/A	<0.02	mg/L		
		SELECT	Ammonia (as N)	24/9/2015		N/A	<0.02			
		SELECT	Ammonia (as N)	10/01/2015		N/A	**	mg/L	SELECT	
		SELECT	Ammonia (as N)	10/09/2015		N/A	**	mg/L		
		SELECT	Ammonia (as N)	14/10/2015		N/A	**	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	20/10/2015		N/A	<0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	29/10/2015		N/A	<0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	11/06/2015		N/A	<0.02	mg/L		WEEKLY
		SELECT	Ammonia (as N)	13/11/2015		N/A	0.03	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	17/11/2015		N/A	<0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	27/11/2015		N/A	<0.02	mg/L	SELECT	WEEKLY
		SELECT	Ammonia (as N)	12/01/2015		N/A	0.04	2	SELECT	WEEKLY
		SELECT	Ammonia (as N)	12/08/15		N/A	0.03		SELECT	WEEKLY
		SELECT	Ammonia (as N)	14/12/2015		N/A	0.11		SELECT	WEEKLY
		SELECT	Ammonia (as N)	21/12/2015		N/A	0.11		SELECT	
SW1			pH	Quarterly		N/A	7.45	units	yes	Mean for 2015
			Temperature	Quarterly		N/A	12.54		yes	Mean for 2015
			Conductivity	Quarterly		N/A	243	μS/cm @20oC		Mean for 2015
			Dissolved Oxygen	Quarterly		N/A	12.85	mg/L	yes	Mean for 2015
		Chlorides (as Cl)		Quarterly		N/A	24.47			Mean for 2015
			BOD	Quarterly		N/A	<1		yes	
			COD	Quarterly		N/A	<10	2	yes	Mean for 2015
			Ammonia (as N)	Quarterly		N/A	0.034	2		
		Chromium and compounds	Suspended Solids	Quarterly		N/A	<2	mg/L	yes	Mean for 2015
		(as Cr)		Annual		N/A	<1	ug/I	yes	Annual
		Copper and compounds (as						05/1	103	Ap=!
		Cu)		Annual		N/A	1.2	ug/l	yes	Annual
		Cadmium and compounds								Annual
		(as Cd)	Iron	Annual Annual	l	N/A N/A	<1 0.245	ug/l ug/l	yes yes	
		Lead and compounds (as	Iron	Annual		N/A	0.245	ug/l	yes	
		Pb)		Annual		N/A	<1	ug/I	ves	Annual
		107	Magnesium	Annual		N/A	6.32	mg/l		Annual
			Manganese (as Mn)	Annual		N/A	0.032	ug/l		
		Mercury and compounds						05/1	103	Annual
		(as Hg)		Annual		N/A	<0.5	ug/l	yes	
			Potassium	Annual		N/A	2.81	0,		
			Sulphate	Annual		N/A	14	mg/l	yes	Annual
			Total Oxidised Nitrogen	Annual		N/A	6.63			Annual
H		Zinc and compounds (as	(TON)	Annual	l	N/A	6.63	mg/l	yes	
		Zinc and compounds (as Zn)		Annual		N/A	<25	ug/I	ves	Annual
		2117					-20	ug/1	. Yes	

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		Total phosphorus		Annual		N/A	<0.004	mg/l	yes	Annual
			Sodium	Annual			13.3	mg/l	yes	Annual
			Calcium	Annual			29	mg/l	yes	Annual
SW2			pH	Quarterly			6.9	units		Mean for 2015
			Temperature	Quarterly			12.31	degrees C		Mean for 2015
			Conductivity	Quarterly			881	µS/cm @20oC		Mean for 2015
			Dissolved Oxygen	Quarterly			8.6	mg/L		Mean for 2015
		Chlorides (as Cl)		Quarterly			80.25	mg/L		Mean for 2015
			BOD	Quarterly			1.8	mg/L		Mean for 2015
			COD	Quarterly			22.5	mg/L		Mean for 2015
			Ammonia (as N)	Quarterly			26.25	mg/L		Mean for 2015
			Suspended Solids	Quarterly			34.75	mg/L		Mean for 2015
		Chromium and compounds								Annual
		(as Cr)		Annual			<1	ug/l	yes	Annual
		Copper and compounds (as								Annual
		Cu) Cadmium and compounds		Annual			1.1	ug/l	yes	
		(as Cd)		Annual			<1	ug/l	Ves	Annual
		(0) (0)	Iron	Annual			6.57	ug/l	yes	Annual
		Lead and compounds (as		/ unidul			0.57	06/1	yes.	
		Pb)		Annual			<1	ug/l	yes	Annual
		,	Magnesium	Annual			18.8	mg/l	yes	Annual
			Manganese (as Mn)	Annual			2.36	ug/l	yes	Annual
		Mercury and compounds	,,,				2.50	-6/1	103	
		(as Hg)		Annual			<0.5	ug/l	yes	Annual
			Potassium	Annual			19.7	mg/l	yes	Annual
			Sulphate				<0.5	mg/l	yes	Annual
			Total Oxidised Nitrogen							Annual
			(TON)	Annual			0.6	mg/l	yes	Annual
		Zinc and compounds (as								Annual
		Zn)		Annual			<25	ug/l	yes	
		Total phosphorus		Annual			0.09	mg/l	yes	Annual
			Sodium	Annual			53.8	mg/l	yes	Annual
-			Calcium	Annual			64.5	mg/l	yes	Annual
sw2a			pH	Quarterly			7.25	units		Mean for 2015
			Temperature	Quarterly			11.86	degrees C		Mean for 2015
			Conductivity	Quarterly			281	µS/cm @20oC		Mean for 2015
			Dissolved Oxygen	Quarterly			12.9	mg/L		Mean for 2015
		Chlorides (as Cl)		Quarterly			348	mg/L		Mean for 2015
			BOD	Quarterly			<1	mg/L		Mean for 2015
			COD	Quarterly			11	mg/L		Mean for 2015
			Ammonia (as N)	Quarterly			0.2995	mg/L		Mean for 2015
			Suspended Solids	Quarterly			<2	mg/L		Mean for 2015
		Chromium and compounds								Annual
		(as Cr)		Annual			<1	ug/l	yes	Annual
		Copper and compounds (as								Annual
		Cu) Cadmium and compounds		Annual			<1	ug/l	yes	
		(as Cd)		Annual			<1	ug/l	VPS	Annual
		(03 CU)	Iron	Annual			0.218	ug/l	yes	Annual
		Lead and compounds (as	11011	Anndal	1		0.218	ug/i	yes	
		Pb)		Annual			<1	ug/l	yes	Annual
			Magnesium	Annual			7.2	mg/l	yes	Annual
			Manganese (as Mn)	Annual			0.085	ug/l	yes	Annual
		Mercury and compounds							,	Annual
		(as Hg)		Annual			<0.5	ug/l	yes	
			Potassium	Annual			3.15	mg/l	yes	Annual
			Sulphate	Annual			15.4	mg/l	yes	Annual
			Total Oxidised Nitrogen							Annual
			(TON)	Annual			7.02	mg/l	yes	Annual
		Zinc and compounds (as								Annual
		Zn)		Annual			<25	ug/l	yes	
		Total phosphorus		Annual			<0.04	mg/l	yes	Annual
			Sodium	Annual			17	mg/l	yes	Annual
			Calcium	Annual			29.8	mg/l	yes	Annual
			pH	Quarterly			7.3	units		Mean for 2015
-			Temperature	Quarterly			12.03	degrees C		Mean for 2015
sw2b							3426	µS/cm @20oC		Mean for 2015
sw2b			Conductivity	Quarterly						
sw2b				Quarterly			12.38	mg/L		Mean for 2015
sw2b		Chlorides (as Cl)	Conductivity Dissolved Oxygen				970	mg/L mg/L		Mean for 2015
sw2b		Chlorides (as Cl)	Conductivity Dissolved Oxygen BOD	Quarterly			970 2.6	mg/L mg/L		Mean for 2015 Mean for 2015
sw2b		Chlorides (as Cl)	Conductivity Dissolved Oxygen	Quarterly Quarterly			970 2.6 15	mg/L mg/L		Mean for 2015 Mean for 2015 Mean for 2015
sw2b		Chlorides (as Cl)	Conductivity Dissolved Oxygen BOD	Quarterly Quarterly Quarterly			970 2.6	mg/L mg/L		Mean for 2015 Mean for 2015
sw2b			Conductivity Dissolved Oxygen BOD COD	Quarterly Quarterly Quarterly Quarterly Quarterly			970 2.6 15	mg/L mg/L mg/L		Mean for 2015 Mean for 2015 Mean for 2015
sw2b		Chromium and compounds	Conductivity Dissolved Oxygen BOD COD Ammonia (as N)	Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly			970 2.6 15 5.6 8	mg/L mg/L mg/L mg/L		Mean for 2015 Mean for 2015 Mean for 2015 Mean for 2015
sw2b		Chromium and compounds (as Cr)	Conductivity Dissolved Oxygen BOD COD Ammonia (as N)	Quarterly Quarterly Quarterly Quarterly Quarterly			970 2.6 15 5.6	mg/L mg/L mg/L mg/L	yes	Mean for 2015 Mean for 2015 Mean for 2015 Mean for 2015 Mean for 2015
sw2b		Chromium and compounds	Conductivity Dissolved Oxygen BOD COD Ammonia (as N) Suspended Solids	Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly			970 2.6 15 5.6 8	mg/L mg/L mg/L mg/L		Mean for 2015 Mean for 2015 Mean for 2015 Mean for 2015 Mean for 2015

nary template-WATER/WASTEWATE					Lic No:	W0023-1		Year	2015
	Cadmium and compounds (as Cd)		A			<1			Annual
	(as Cd)	Iron	Annual Annual			<1 0.098	ug/l ug/l	yes yes	Annual
	Lead and compounds (as	101	Annual			0.050	ug/i	yes	
	Pb)		Annual			<1	ug/l	yes	Annual
		Magnesium	Annual			91.8	mg/l	yes	Annual
		Manganese (as Mn)	Annual			0.494	ug/l	yes	Annual
	Mercury and compounds (as Hg)		Annual			<0.5	ug/I	yes	Annual
	(as ng)	Potassium	Annual			36.2	mg/l	yes	Annual
		Sulphate	Annual			160	mg/l	yes	Annual
		Total Oxidised Nitrogen						,	
		(TON)	Annual			9.31	mg/l	yes	Annual
	Zinc and compounds (as								Annual
	Zn)		Annual			<25	ug/l	yes	
	Total phosphorus	Sodium	Annual Annual			0.12	mg/l	yes yes	Annual Annual
		Calcium	Annual			76.7	mg/l mg/l	yes	Annual
sw3		pH	Quarterly			7.17	units	yes	Mean for 2015
3₩3		Temperature	Quarterly			13.33	degrees C		Mean for 2015
		Conductivity	Quarterly			703.25	μS/cm @20oC		Mean for 2015
		Dissolved Oxygen	Quarterly			12.24	mg/L		Mean for 2015
	Chlorides (as Cl)	Dissoned oxygen	Quarterly			148	mg/L		Mean for 2015
		BOD	Quarterly			>1	mg/L		Mean for 2015
		COD	Quarterly	1		12	mg/L		Mean for 2015
		Ammonia (as N)	Quarterly	1		3.66	mg/L		Mean for 2015
		Suspended Solids	Quarterly			7.33	mg/L		Mean for 2015
0	Chromium and compounds								Annual
	(as Cr)		Annual			<1	ug/l		Ailliuai
L. L	copper and compounds (as Cu)		Annual			<1	ug/I		Annual
	Cadmium and compounds		Annual				ug/1		
	(as Cd)		Annual			<1	ug/l		Annual
		Iron	Annual			1.91	ug/l		Annual
	Lead and compounds (as								Annual
	Pb)		Annual			<1	ug/l		
		Magnesium	Annual			15.4	mg/l		Annual
	Mercury and compounds	Manganese (as Mn)	Annual			0.559	ug/l		Annual
	(as Hg)		Annual			<0.5	ug/I		Annual
	(8/	Potassium	Annual			9.64	mg/l		Annual
		Sulphate	Annual			21.3	mg/l		Annual
		Total Oxidised Nitrogen							Annual
		(TON)	Annual			10.5	mg/l		Allitual
	Zinc and compounds (as Zn)		Annual			<25	ug/l		Annual
	Total phosphorus		Annual			<0.04	mg/l		Annual
	rotal phosphorus	Sodium	Annual			53	mg/l		Annual
		Calcium	Annual			38.2	mg/l		Annual
sw4		pH	Quarterly			7.4	units		Mean for 2015
		Temperature	Quarterly			12.3	degrees C		Mean for 2015
		Conductivity	Quarterly			244	μS/cm @20oC		Mean for 2015
		Dissolved Oxygen	Quarterly			13.14	mg/L		Mean for 2015
	Chlorides (as Cl)	,a	Quarterly			25.6	mg/L		Mean for 2015
		BOD	Quarterly			2	mg/L		Mean for 2015
		COD	Quarterly			,10	mg/L		Mean for 2015
		Ammonia (as N)	Quarterly			0.59	mg/L		Mean for 2015
		Suspended Solids	Quarterly			2	mg/L		Mean for 2015
C	Chromium and compounds								Annual
	(as Cr) Copper and compounds (as		Annual			<1	ug/l	yes	
· · · · · ·	Cu)		Annual			<1	ug/I	yes	Annual
	Cadmium and compounds					· · · · ·	-8/	/**	A.c
	(as Cd)		Annual			<1	ug/l	yes	Annual
		Iron	Annual			0.218	ug/l	yes	Annual
	Lead and compounds (as					<1			Annual
	Pb)	Magnesium	Annual Annual			<1 6.3	ug/l mg/l	yes	Annual
		Magnesium Manganese (as Mn)	Annual			0.029	ug/l	yes	Annual Annual
	Mercury and compounds	wanganese (dS WIII)	Annual			0.029	ug/I	yes	
	(as Hg)		Annual			<0.5	ug/l	yes	Annual
	,	Potassium	Annual			3.48	mg/l	yes	Annual
		Sulphate	Annual			14.1	mg/l	yes	Annual
		Total Oxidised Nitrogen							Annual
	Zine and an 11	(TON)	Annual			6.6	mg/l	yes	Aminual
	Zinc and compounds (as Zn)		Annual			<25	ug/I	yes	Annual
	Total phosphorus			ł		<0.04	mg/l	yes	Annual
			Annual						

nary template-W	ATER/WASTEWA	TER(SEWER)			Lic No:	W0023-1		Year	2015	
	1		Calcium	Annual		28.8	mg/l	yes	Annual	
sw5			nH	Quarterly		8.1	units	yes	Mean for 2015	
5115			Temperature	Quarterly		12.8	degrees C		Mean for 2015	
			Conductivity	Quarterly		478	μS/cm @20oC		Mean for 2015	
			Dissolved Oxygen	Quarterly		11.89	mg/L		Mean for 2015	
		Chlorides (as Cl)		Quarterly		16.12	mg/L		Mean for 2015	
			BOD	Quarterly		<1	mg/L		Mean for 2015	
			COD	Quarterly		,10	mg/L		Mean for 2015	
			Ammonia (as N)	Quarterly		<0.02	mg/L		Mean for 2015	
			Suspended Solids	Quarterly		9	mg/L		Mean for 2015	
		Chromium and compounds (as Cr)		Annual		<1	ug/I	yes	Annual	
		Copper and compounds (as Cu)		Annual		<1	ug/l	yes	Annual	
		Cadmium and compounds (as Cd)		Annual		<1	ug/l	VPS	Annual	
		(00 00)	Iron	Annual		0.028	ug/l	yes	Annual	
		Lead and compounds (as Pb)		Annual		<1	ug/l	yes	Annual	
			Magnesium	Annual		7.9	mg/l	yes	Annual	
			Manganese (as Mn)	Annual		0.005	ug/l	yes	Annual	
		Mercury and compounds (as Hg)		Annual		<0.5	ug/I	yes	Annual	
			Potassium	Annual		3.28	mg/l	yes	Annual	
			Sulphate	Annual		11.9	mg/l	yes	Annual	
			Total Oxidised Nitrogen (TON)	Annual		2.56	mg/I	yes	Annual	
		Zinc and compounds (as Zn)		Annual		<25	ug/I	yes	Annual	
		Total phosphorus		Annual		<0.04	mg/l	yes	Annual	
			Sodium	Annual		14.7	mg/l	yes	Annual	
			Calcium	Annual		92.6	mg/l	yes	Annual	

Bund/Pipeline testing template	Lic No:	W0023-1		Year	2015	
Bund testing dropdown menu click to see options			Additional information	_		
Are you required by your licence to undertake integrity testing on bunds and containment structures ? if yes plea	se fill out table B1 below listing all new bunds an	1				
containment structures on site, in addition to all bunds which failed the integrity test-all bunding structures whi	ch failed including mobile bunds must be listed in					
<sup>1</sup> the table below		No		-		
2 Please provide integrity testing frequency period		SELECT				
Does the site maintain a register of bunds, underground pipelines (including stormwater and foul), Tanks, sumps	and containers? (containers refers to "Chemstore			1		
3 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?				1		
9 How many sumps on site are included in the integrity test schedule?				1		
10 How many of these sumps are integrity tested within the test schedule?				1		
Please list any sump integrity failures in table B1				-		
11 Do all sumps and chambers have high level liquid alarms?		SELECT		Т		
12 If yes to Q11 are these failsafe systems included in a maintenance and testing programme?				1		

ſ	Tab	le B1: Summary details of	f bund /containment structure inte	egrity test	1										
	Bund/Containment structure ID	Туре	Specify Other type	Product containment	Actual capacity	Capacity required*	Type of integrity test	Other test type	Test date	Integrity reports maintained on site?		Integrity test failure explanation <50 words	Corrective action taken	Scheduled date	Results of retest(if in current reporting year)
Γ		SELECT					SELECT			SELECT	SELECT		SELECT		
Γ		SELECT					SELECT			SELECT	SELECT		SELECT		
		ply with 25% or 110% containment en carried out in accorda	t rule as detailed in your licence ince with licence requirements and	d are all structures tested in				Commentary	Т						
14	line with BS8007/EPA G	Guidance?			bunding and storage guideli	nes	SELECT								
15	Are channels/transfer s	systems to remote contain	nment systems tested?				SELECT								
16	Are channels/transfer	systems compliant in bot	h integrity and available volume?				SELECT								

## Pipeline/underground structure testing

Are you required by your licence to undertake integrity testing on underground structures e.g. pipelines or sumps etc? if yes please fill out table 2 below listing all		
1 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 p	ipeline/underground structures in	tegrity test	]					
Structure ID	Type system		Does this structure have Secondary containment?	Type of secondary containment		Integrity reports maintained on site?			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

Groundwate	er/Soil monitori	ing template				Lic No:	W0023-1		Year	2015		
								Comments				
	1											
	1	Are voi	required to carry out grou	ndwater monitorin	g as part of your licence re	auirements?	yes					
	2		e you required to carry out				no					
		7.0	e you required to carry out	son monitoring us	pure or your neerice require							
	3											
		Do yo	u extract groundwater for u	use on site? If yes p	lease specify use in comm	ent section	no		-			
	4											
		Is th	ere contaminated land and	/or groundwater c	on site? If yes please answe	er q's 5-12	no					
	-											
	5	ls th	e contamination related to o	onerations at the f	cility (either current and/	ar historic)	SELECT					
	6		peen taken to address conta				JELECT					
	0	nave accions		osed/undertaken f		iculation strategies	SELECT					
	7				or the remediation strateg	v	SELECT					
	8				update ELRA for the site?	1	SELECT					
	9				carried out for the site?		yes				1	
	10	1			leveloped for the site?		yes				1	
	10	1			tified on and off site?		yes				1	
	12				n is migrating offsite?		SELECT					
1: Upgradien	t Groundwater	monitoring result	s	1							1	
2. 0 08.00.00	e e culturate											
											Upward trend in pollutant	
	Date of	Sample location				Maximum	Average				concentration over last 5	
	sampling	reference	Parameter/ Substance	Methodology	Monitoring frequency	Concentration++	Concentration+	unit	GTV's*	DWS	years of monitoring data	
	B					6.8	6.7				,	
	Mean of 2015	GW2	рН	meter	quarterly			units	9.5	DWS	no	
						13.8	12.25					
	Mean of 2015	GW2	Temp	meter	quarterly			С		DWS	no	
						288	270					
	Mean of 2015	GW2	Elec.Conductivity	meter	quarterly			mS/cm	1000	DWS	no	
	Mean of 2015	GW2	Chlorides	titration	quarterly			mg/l	250	DWS	no	
						0.28	0.115					
	Mean of 2015	GW2	Ammoniacal Nitorgen	meter	quarterly			mg/l	0.02NH3	DWS	no	
						6.87	4.81					
	Mean of 2015	GW2	TON		quarterly			ug/l		DWS	no	
						31.2	23.55					
	Mean of 2015	GW2	SODIUM		Annual			mg/l		DWS	no	
						8	5.14					
	Mean of 2015	GW2	POTASSIUM		Annual			mg/l	5 mg/l	DWS	no	
	Annual	GW2	Cadmium	+	Annual	<1		ug/l	3.75 mg/l	DWS	no	
	09/03/2015	GW2	Chromium (total)	ļ	Annual	<1		ug/l	37.5	DWS	no	
		GW2	Copper	ļ	Annual	<1		ug/l	1500	DWS	no	
		GW2	Cyanide (Total)	ļ	Annual	<0.01		ug/l	0.01mg/l	DWS	no	
		GW2	Lead	L	Annual	<1		ug/l	18.75	DWS	no	
		GW2	Mangnesium	ļ	Annual	8.67		mg/l		DWS	no	
		GW2	Manganese	ļ	Annual	0.003		ug/l	0.3mg/l	DWS	no	
		GW2	Mercury		Annual	1.1		ug/l	0.75	DWS	no	
		GW2	Potassium	+	Annual	1.48		mg/l	5 mg/l	DWS	no	
		GW2	Sulphate	+	Annual	15.5		mg/l	187.5 mg/l	DWS	no	
		GW2	Total Alkalinity		Annual	83.1		mg/l		DWS	no	
		GW2	Total Phosphorus		Annual	<0.04		mg/l		DWS	no	
		GW2	Selenium total		Annual	4.1		ug/l		DWS DWS	no	
		GW2 GW2	Thallium total Tellurium total		Annual Annual	<1		ug/l		DWS	no	
		GW2 GW2	Vanadium	<u> </u>	Annual	<1 <1		ug/l ug/l	-	DWS	no no	
				1		<1	1	u2/1		0005	10	

Creation				Lie Ne	14/0022 1		Veen	2015		
Groundwat	er/Soil monitoring template GW2	Alsha DUG	Annual	Lic No:	W0023-1	ug/l	Year	2015 DWS	no	
	GW2 GW2	Alpha-BHC		<0.01		ug/l	-	DWS		
		Beta-BHC	Annual	<0.01					no	
	GW2	Delta-BHC	Annual	<0.01		ug/l		DWS	no	
	GW2	Endosulphan I	Annual	<0.01		ug/l		DWS	no	
	GW2	Endosulphan II	Annual	<0.01		ug/l		DWS	no	
	GW2	Endosulfan Sulfate	Annual	<0.01		ug/l		DWS	no	
	GW2	Endrin	Annual	<0.01		ug/l		DWS	no	
	GW2	Endrin aldehyde	Annual	<0.01		ug/l		DWS	no	
	GW2	Gamma-BHC (Lindane)	Annual	< 0.01		ug/l		DWS	no	
	GW2	4,4-DDD	Annual	< 0.01		ug/l		DWS	no	
	GW2	4-4-DDE	Annual	< 0.01		ug/l		DWS	no	
	GW2	4,4-DDT	Annual	< 0.01		ug/l		DWS	no	
	GW2	Aldrin	Annual	< 0.01		ug/l		DWS	no	
	GW2	Dieldrin	Annual	< 0.01		ug/l		DWS	no	
	GW2	Heptachlor	Annual	< 0.01		ug/l		DWS	no	
	GW2	Heptachlor Epoxide	Annual	< 0.01		ug/l		DWS	no	
		236-Trichlorobenzoic Acid		<0.005						
	GW2	(TBA)	Annual	-0.005		ug/l		DWS	no	
-	GW2 GW2	2,4,5-T	Annual	< 0.005	1	ug/l		DWS	no	
	GW2 GW2	2,4,5-1 2.4 D	Annual	<0.005		ug/l		DWS	no	
	GW2 GW2	2,4 D 24-DB	Annual	<0.005		ug/l		DWS	no	
	GW2 GW2		Annual					DWS	no	
	GW2 GW2	Bentazone	Annual	<0.005		ug/l	-	DWS	no	
		Bromacil		<0.005		ug/l	-			
	GW2	Bromoxynil	Annual	<0.005		ug/l		DWS	no	
	GW2	Clopyralid	Annual	<0.005		ug/l		DWS	no	
	GW2	Dicamba	Annual	<0.005		ug/l		DWS	no	
	GW2	Dichlorprop (24DP)	Annual	<0.005		ug/l		DWS	no	
	GW2	Flurozypyr	Annual	< 0.005		ug/l		DWS	no	
	GW2	loxynil	Annual	< 0.005		ug/l		DWS	no	
	GW2	MCPA	Annual	< 0.005		ug/l		DWS	no	
	GW2	MCPB	Annual	< 0.005		ug/l		DWS	no	
	GW2	Mecoprop (MCPP)	Annual	< 0.005		ug/l		DWS	no	
		Pentachlorophenol (PCP)		< 0.005						
	GW2	,	Annual			ug/l		DWS	no	
	GW2	Picloram	Annual	< 0.005		ug/l		DWS	no	
	GW2	Quinmerac	Annual	<0.005		ug/l		DWS	no	
	GW2	Trichlopyr	Annual	<0.005		ug/l		DWS	no	
	GW2	Atrazine-LC	Annual	<0.005		ug/l		DWS	no	
	GW2	Simazine-LC	Annual	<0.005		ug/l		DWS	no	
	GW2 GW2	Prometryn-LC	Annual	<0.005		ug/l		DWS	no	
	GW2 GW2	Propazine-LC	Annual	<0.005		ug/l		DWS	no	
	GW2 GW2							DWS		
		Terbutryn-LC	Annual	<0.005		ug/l			no	
	GW2	Trietazine-LC	Annual	<0.005		ug/l	-	DWS	no	
	GW2	Azinphos Ethyl-LC	Annual	<0.005		ug/l	-	DWS	no	
	GW2	Azinphos-methyl-LC	Annual	<0.005		ug/l		DWS	no	
<u> </u>	GW2	Chlorfenvinphos-LC	Annual	<0.005		ug/l		DWS	no	
L	GW2	Demeton-S-Methyl-LC	Annual	<0.005		ug/l		DWS	no	
	GW2	Diazinon-LC	Annual	<0.005		ug/l		DWS	no	
	GW2	Dichlorvos-LC	Annual	<0.005		ug/l		DWS	no	
	GW2	Dimethoate-LC	Annual	< 0.005		ug/l		DWS	no	
	GW2	Malathion-LC	Annual	< 0.005		ug/l		DWS	no	
	GW2	Mevinphos-LC	Annual	< 0.005		ug/l		DWS	no	
	GW2	Phosalone LC	Annual	< 0.005		ug/l		DWS	no	
	GW2	Pirimiphos-methyl-LC	Annual	< 0.005		ug/l		DWS	no	
	GW2	Triazophos-LC	Annual	< 0.005		ug/l		DWS	no	
	GW2	PAHS	Annual	<0.01	1	ug/l		DWS	no	
	GW2	VOC	Annual	<0.01		ug/l		DWS	no	
	GW2	SVOCs	Annual	<0.01		ug/l		DWS	no	
	5.02	Phenols	Annual	<0.01		ug/l		DWS	no	
+ where avor	age indicates arithmetic mean	FIIEIIOIS	Annadi	NU.US		ug/l		DWS	no	
		ng results produced during the reporting	t voar			ug/I		0405	no	
ani measurei	a concentration from all monitorir	is results produced during the reporting	s year						110	

Groundwat	er/Soil monitori	ng template				Lic No:	W0023-1		Year	2015		
		er monitoring resu	ults			LIC NO.	W0025-1		redi	2015	no	
. Downgrau		i monitoring rest	110								110	
	Date of	Sample location				Maximum	Average					
	sampling	reference	Parameter/ Substance	Methodology	Monitoring frequency	Concentration	Concentration	unit	GTV's*	DWS	no	
	Sumpling	Telefence	Turumetery Substance	Methodology	Womening frequency	concentration	concentration	unit	0173	5115	110	
	Mean of 2015	GW5	рН		quarterly	6.7	6.5	units	9.5	DWS	no	
	Medit of 2015	0005	pii		quarterly	0.7	0.5	unto	5.5	0113	110	
	Mean of 2015	GW5	Temp		quarterly	13.4	12.26	С		DWS	no	
					4,							
	Mean of 2015	GW5	Elec.Conductivity		quarterly	540	483	mS/cm	1000	DWS	no	
					1.1.1.1							
	Mean of 2015	GW5	Chlorides		quarterly			mg/l	250	DWS	no	
	Mean of 2015	GW5	Ammoniacal Nitorgen		quarterly	5.78	4.3	mg/l	0.02NH3	DWS	no	
	Mean of 2015	GW5	TON		quarterly	2.2	1.1	ug/l		DWS	no	
	Mean of 2015	GW5	SODIUM		quarterly	32.9	29.85	mg/l		DWS	no	
	Mean of 2015	GW5	POTASSIUM		quarterly	12	8.25	mg/l	5 mg/l	DWS	no	
	Annual	GW5	Cadmium		Annual	<1		ug/l	3.75 mg/l	DWS	no	
	22/9/2015	GW5	Chromium (total)		Annual	<1		ug/l	37.5	DWS	no	
		GW5	Copper		Annual	1.2		ug/l	1500	DWS	no	
		GW5	Cyanide (Total)		Annual	<0.01		ug/l	0.01mg/l	DWS	no	
		GW5	Lead		Annual	<1		ug/l	18.75	DWS	no	
		GW5	Mangnesium		Annual	21.6		mg/l		DWS	no	
		GW5	Manganese		Annual	5.502		ug/l	0.3mg/l	DWS	no	
		GW5	Mercury		Annual	<0.5		ug/l	0.75	DWS	no	
		GW5	Potassium		Annual	12		mg/l	5 mg/l	DWS	no	
		GW5	Sulphate		Annual	19.6		mg/l	187.5 mg/l	DWS	no	
		GW5	Total Alkalinity		Annual	247		mg/l		DWS	no	
		GW5	Total Phosphorus		Annual	<0.04		mg/l		DWS	no	
		GW5	Selenium total		Annual	8.9		ug/l		DWS	no	
		GW5 GW5	Thallium total Tellurium total		Annual Annual	<1		ug/l		DWS DWS	no no	
		GW5 GW5	Vanadium		Annual	<1 33.8		ug/l ug/l		DWS		
		GW5 GW5	Alpha-BHC		Annual	<0.01				DWS	no no	
		GW5 GW5	Beta-BHC		Annual	<0.01		ug/l ug/l	-	DWS	no	
		GW5 GW5	Delta-BHC		Annual	<0.01		ug/l		DWS	no	
		GW5 GW5	Endosulphan I		Annual	<0.01		ug/l		DWS	no	
		GW5 GW5	Endosulphan II		Annual	<0.01		ug/l		DWS	no	
		GW5	Endosulfan Sulfate		Annual	<0.01		ug/l		DWS	no	
		GW5 GW5	Endrin		Annual	<0.01		ug/l		DWS	no	
		GW5	Endrin aldehyde		Annual	<0.01		ug/l		DWS	no	
		GW5	Gamma-BHC (Lindane)		Annual	<0.01		ug/l		DWS	no	
		GW5	4.4-DDD	İ	Annual	<0.01		ug/l		DWS	no	
		GW5	4-4-DDE		Annual	<0.01		ug/l		DWS	no	
		GW5	4,4-DDT		Annual	<0.01		ug/l		DWS	no	
		GW5	Áldrin		Annual	<0.01		ug/l		DWS	no	
		GW5	Dieldrin		Annual	<0.01		ug/l		DWS	no	
		GW5	Heptachlor		Annual	<0.01		ug/l		DWS	no	
		GW5	Heptachlor Epoxide		Annual	<0.01		ug/l		DWS	no	
1			236-Trichlorobenzoic Acid			<0.005						
		GW5	(TBA)		Annual			ug/l		DWS	no	
		GW5	2,4,5-T		Annual	<0.005		ug/l		DWS	no	
		GW5	2,4 D		Annual	<0.005		ug/l		DWS	no	
		GW5	24-DB		Annual	<0.005		ug/l		DWS	no	
		GW5	Bentazone		Annual	<0.005		ug/l		DWS	no	
<u> </u>		GW5	Bromacil		Annual	< 0.005		ug/l		DWS	no	
		GW5	Bromoxynil		Annual	< 0.005		ug/l		DWS	no	
		GW5	Clopyralid		Annual	<0.005		ug/l		DWS	no	l

Groundwate	er/Soil monitorir	ng template			Lic No:	W0023-1		Year	2015		
Groundwate		GW5	Dicamba	 Annual	<0.005	W0025 1	ug/l	rear	DWS	no	
		GW5	Dichlorprop (24DP)	Annual	<0.005		ug/l	-	DWS	no	
		GW5	Flurozypyr	Annual	<0.005		ug/l		DWS	no	
		GW5	loxynil	Annual	<0.005		ug/l		DWS	no	
		GW5	MCPA	Annual	<0.005		ug/l		DWS	no	
		GW5 GW5	MCPB	Annual	<0.005		ug/l		DWS	no	
		GW5 GW5	Mecoprop (MCPP)	Annual	0.625		ug/l		DWS	no	
		0105	Pentachlorophenol (PCP)	Annuar	<0.005		ug/1		0115	110	
		GW5	Pentachiorophenoi (PCP)	Annual	<0.005		ug/l		DWS	no	
		GW5	Picloram	Annual	<0.005		ug/l		DWS	no	
		GW5 GW5		 Annual	<0.005			-	DWS	no	
		GW5 GW5	Quinmerac Trichlopyr	Annual	<0.005		ug/l ug/l	-	DWS	no	
		GW5 GW5	Atrazine-LC	Annual	<0.005		ug/l	-	DWS	no	
		GW5 GW5	Simazine-LC	Annual	0.016		ug/l	0.075 ug/l	DWS	no	
		GW5 GW5	Prometryn-LC	Annual	<0.005		ug/l	0.075 ug/1	DWS	no	
		GW5 GW5	Propazine-LC	Annual	<0.005		ug/l	-	DWS	no	
		GW5 GW5		Annual	<0.005			-	DWS	no	
		GW5 GW5	Terbutryn-LC Trietazine-LC	Annual	<0.005		ug/l ug/l		DWS	no	
	├	GW5 GW5		Annual			ug/I ug/I		DWS	no	
		GW5 GW5	Azinphos Ethyl-LC	Annual	<0.005		ug/i ug/i		DWS	no	
	├	GW5 GW5	Azinphos-methyl-LC Chlorfenvinphos-LC	Annual	<0.005 <0.005		ug/i ug/i		DWS	no	
		GW5 GW5	Demeton-S-Methyl-LC	Annual	<0.005		ug/l		DWS	no	
		GW5 GW5	Demeton-S-Methyl-LC Diazinon-LC	Annual	<0.005		ug/l		DWS		
		GW5 GW5	Diazinon-LC Dichlorvos-LC	Annual			ug/i ug/l		DWS	no no	
		GW5 GW5	Dichlorvos-LC Dimethoate-LC	Annual	<0.005 <0.005		ug/l		DWS	no	
		GW5 GW5	Malathion-LC	Annual	<0.005		ug/l	-	DWS	no	
		GW5 GW5	Mevinphos-LC	Annual	<0.005		ug/l	-	DWS	no	
		GW5 GW5	Phosalone LC	Annual	<0.005		ug/l	-	DWS	no	
		GW5 GW5	Pirimiphos-methyl-LC	Annual	<0.005		ug/l		DWS	no	
		GW5 GW5	Triazophos-LC	Annual	<0.005		ug/l		DWS	no	
		GW5	PAHS	Annual	<0.003		ug/l		DWS	no	
		GW5	VOC	Annual	<0.01		ug/l		DWS	no	
		GW5	SVOCs	 Annual	<0.01		ug/l		DWS	no	
		0115	Phenols	 Annual	<0.01		ug/l		DWS	no	
			Theriois	Annoa	6.3		46/1		5115	110	
	Mean of 2015	GW8	pН	quarterly	0.5	6.3	units	9.5	DWS	no	
				4	12.3						
	mean of 2015	GW8	Temp	quarterly	12.5	11.8	С		DWS	no	
	medit of 2015	0110	Temp	quarterij	498	11.0	ŭ		5115		
	Mean of 2015	GW8	Elec.Conductivity	quarterly	450	1.87	mS/cm	1000	DWS	no	
	medit of 2010	0110	Liceiconductivity	quarterij		107		1000	5115		
	mean of 2015	GW8	Chlorides	quarterly			mg/l	250	DWS	no	
		0.10	eniorideo	quarterry	1.95			200	2.115		
	Mean of 2015	GW8	Ammoniacal Nitorgen	quarterly	1.55	11	mg/l	0.02NH3	DWS	no	
				<i>,</i>	12.4						
	mean of 2015	GW8	TON	quarterly	12.7	36	ug/l	1.0mg/l	DWS	no	
					47.8		-6/1				
	Mean of 2015	GW8	SODIUM	quarterly		7.75	mg/l		DWS	no	
		00		quarterij	10.1				55		
	mean of 2015	GW8	POTASSIUM	quarterly	10.1		mg/l		DWS	no	
	Annual	GW8	Cadmium	Annual	<1		ug/l	3.75 mg/l	DWS	no	
	09/03/2015	GW8	Chromium (total)	Annual	<1		ug/l	37.5	DWS	no	
	,	GW8	Copper	Annual	1.2		ug/l	1500	DWS	no	
		GW8	Cyanide (Total)	Annual	<0.01		ug/l	0.01mg/l	DWS	no	
		GW8	Lead	Annual	<1		ug/l	18.75	DWS	no	
		GW8	Mangnesium	Annual	13		mg/l		DWS	no	
		GW8	Manganese	Annual	0.175		ug/l	0.3mg/l	DWS	no	
		GW8	Mercury	Annual	<0.5		ug/l	0.75	DWS	no	
		GW8	Potassium	Annual	6.86		mg/l	5 mg/l	DWS	no	
		GW8	Sulphate	Annual	16.7		mg/l	187.5	DWS	no	
		GW8	Total Alkalinity	Annual	126		mg/l		DWS	no	
							. 0,				

Custoreducet				Lie Mer	14/0022 1		Vaar	2015		[
Groundwat	er/Soil monitoring template	Total Dhaanhamia	Annual	Lic No:	W0023-1		Year	2015		
	GW8	Total Phosphorus	Annual	0.1		mg/l		DWS	no	
	GW8	Selenium total	Annual	6.6		ug/l		DWS	no	
	GW8	Thallium total	Annual	<1		ug/l		DWS	no	
	GW8	Tellurium total	Annual	<1		ug/l		DWS	no	
	GW8	Vanadium	Annual	2.4		ug/l		DWS	no	
	GW8	Alpha-BHC	Annual	<0.01		ug/l	0.5 ug/l	DWS	no	
	GW8	Beta-BHC	Annual	< 0.01		ug/l		DWS	no	
	GW8	Delta-BHC	Annual	<0.01		ug/l	0.1 ug/l	DWS	no	
	GW8	Endosulphan I	Annual	<0.01		ug/l		DWS	no	
	GW8	Endosulphan II	Annual	<0.01		ug/l		DWS	no	
	GW8	Endosulfan Sulfate	Annual	<0.01		ug/l		DWS	no	
	GW8	Endrin	Annual	< 0.01		ug/l		DWS	no	
	GW8	Endrin aldehyde	Annual	< 0.01		ug/l		DWS	no	
	GW8	Gamma-BHC (Lindane)	Annual	<0.01		ug/l		DWS	no	
	GW8	4,4-DDD	Annual	< 0.01		ug/l		DWS	no	
	GW8	4-4-DDE	Annual	<0.01		ug/l		DWS	no	
	GW8	4,4-DDT	Annual	<0.01		ug/l		DWS	no	
	GW8	Aldrin	Annual	<0.01		ug/l		DWS	no	
	GW8	Dieldrin	Annual	<0.01		ug/l		DWS	no	
	GW8	Heptachlor	Annual	<0.01		ug/l		DWS	no	
	GW8 GW8	Heptachlor Epoxide	Annual	<0.01		ug/l		DWS	no	
	5000	236-Trichlorobenzoic Acid	Annod	<0.005		46/1		0115		
	GW8	(TBA)	Annual	<0.005		ug/l		DWS	no	
	GW8 GW8	(IBA) 2,4,5-T	Annual	<0.005		ug/l		DWS	no	
	GW8 GW8		Annual					DWS	no	
	GW8 GW8	2,4 D		< 0.005		ug/l		DWS		
		24-DB	Annual	<0.005		ug/l			no	
	GW8	Bentazone	Annual	< 0.005		ug/l		DWS	no	
	GW8	Bromacil	Annual	< 0.005		ug/l		DWS	no	
	GW8	Bromoxynil	Annual	<0.005		mg/l		DWS	no	
	GW8	Clopyralid	Annual	<0.005		ug/l		DWS	no	
	GW8	Dicamba	Annual	<0.005		ug/l		DWS	no	
	GW8	Dichlorprop (24DP)	Annual	<0.005		mg/l		DWS	no	
	GW8	Flurozypyr	Annual	<0.005		mg/l		DWS	no	
	GW8	loxynil	Annual	< 0.005		mg/l		DWS	no	
	GW8	MCPA	Annual	< 0.005		mg/l		DWS	no	
	GW8	MCPB	Annual	< 0.005		ug/l		DWS	no	
	GW8	Mecoprop (MCPP)	Annual	0.042		ug/l		DWS	no	
		Pentachlorophenol (PCP)		<0.005						
	GW8		Annual			ug/l		DWS	no	
	GW8	Picloram	Annual	<0.005		ug/l		DWS	no	
	GW8	Quinmerac	Annual	<0.005		ug/l		DWS	no	
	GW8	Trichlopyr	Annual	< 0.005		ug/l		DWS	no	
	GW8	Atrazine-LC	Annual	< 0.005		ug/l		DWS	no	
	GW8	Simazine-LC	Annual	0.006		ug/l	ug/l	DWS	no	
	GW8	Prometryn-LC	Annual	< 0.005		ug/l		DWS	no	
	GW8	Propazine-LC	Annual	< 0.005		ug/l		DWS	no	
	GW8	Terbutryn-LC	Annual	< 0.005		ug/l		DWS	no	
	GW8	Trietazine-LC	Annual	<0.005		ug/l		DWS	no	
	GW8	Azinphos Ethyl-LC	Annual	<0.005		ug/l		DWS	no	
	GW8 GW8	Azinphos-methyl-LC	Annual	<0.005		ug/l		DWS	no	
	GW8 GW8	Chlorfenvinphos-LC	Annual	<0.005		ug/l		DWS	no	
	GW8 GW8	Demeton-S-Methyl-LC	Annual	<0.005	· · · · · · · · · · · · · · · · · · ·	ug/l		DWS	no	
	GW8 GW8	Diazinon-LC	Annual	< 0.005		ug/l		DWS	no	
	GW8 GW8	Diazinon-LC Dichlorvos-LC	Annual	<0.005		ug/l		DWS	no	
	GW8 GW8		Annual					DWS	no	
		Dimethoate-LC		<0.005		ug/l				
	GW8	Malathion-LC	Annual	< 0.005		ug/l	-	DWS	no	
	GW8	Mevinphos-LC	Annual	< 0.005		ug/l		DWS	no	
	GW8	Phosalone LC	Annual	< 0.005		ug/l	-	DWS	no	
	GW8	Pirimiphos-methyl-LC	Annual	< 0.005		ug/l		DWS	no	
	GW8	Triazophos-LC	Annual	<0.005		ug/l		DWS	no	
	GW8	PAHS	Annual	<0.01		ug/l		DWS	no	

Groundwate	er/Soil monito	ring template				Lic No:	W0023-1		Year	2015		
		GW8	VOC		Annual	< 0.01		ug/l		DWS	no	
		GW8	SVOCs		Annual	< 0.01		ug/l		DWS	no	
		GW8	Phenols		Annual	< 0.03		ug/l		DWS	no	
								-			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 EQUID Water Standards (DWS) to the site is close to a drinking water supply compare results to the Drinking water EQUID Water EQUID Water Standards (DWS) to the site is close to a drinking water supply compare results to the Drinking water EQUID Water EQUID Water Standards (DWS) to the site is close to a drinking water supply compare results to the Drinking water EQUID WAT										Drinking water (public supply) standards	Interim Guideline Values (IGV)
Та	able 3: Soil resu	ults										
	Date of	Sample location				Maximum	Average					
	sampling	reference	Parameter/ Substance	Methodology	Monitoring frequency	Concentration	Concentration	unit				
								SELECT				
								SELECT				
		-										
		-										
	Where additional detail is required please enter it here in 200 words or less											

Environmental Liabilities template	Lic No:	W0023-1	Year	
Click here to access EPA guidance on Environmental Liabilities and Final	ncial			

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	2015
	Highlighted cells contain dropdown menu click to view		Additional Informat	tion		
1	Do you maintain an Environmental Mangement System (EMS) for the site. If yes, please detail in additional information	Yes	2008. It includes description, 1 Engineering det	d and retained on site on an annual basis since sections on Use of manual, Site location and Types of waste accepted and procedures, ails, Control of nuisance and Environmental nagement 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				

Dbjective Category	Target	Status (% completed)	How target was progressed	Responsibility	Intermediate outcomes
	Investigate feasibility of				
	renovating existing office				
Additional improvements	portkabin.	10		Individual	Installation of infrastructure
	increase recycling of				
	materials during customers				
	Visits through education				
Additional improvements	and school visits 2013-2015	90		Individual	Installation of infrastructure
	to reduce energy usage on				
nergy Efficiency/Utility conservation	site	40	energy	Individual	Installation of infrastructur
	and and the second in the site			to alternational	
Additional improvements	refresh line marking on site	90		Individual	Installation of infrastructur
			ļ		

Lic No:	W0023-1	Year	2015
	Yes	]	
<u>Noise</u>			
Guidance note NG4	Yes		
	No		
	not applicable		
nce the last noise	No		
-	<u>Noise</u> Guidance note NG4	Noise     Yes       Guidance     Yes       note NG4     No       not applicable     not applicable	Yes       Suidance     Yes       note NG4     No       not applicable     Ince the last noise

Date of monitoring	Time period	Noise location (on site)	Noise sensitive location -NSL (if applicable)	LA <sub>eq</sub>	LA <sub>90</sub>	LA <sub>10</sub>	LA <sub>max</sub>	Tonal or Impulsive noise* (Y/N)	If tonal /impulsive noise was identified was 5dB penalty applied?	Comments (ex. main noise sources on site, & extraneous noise ex. road traffic)	ls <u>site_</u> compliant with noise limits (day/evening/night)?
27/8/2015	30 min	N1		44.7	32.9	48.1	65.7	No	SELECT	DOMINANT NOISE WAS TRAFFIC ON ROAD AND NOISE FROM NEAR BY SCAFFOLDING COMPNAY LOADING AND UNLOADING.	Yes
				45.3	31.8	49.4	61.1	No			Yes
				45	31.6	47.4	66.7	No			Yes
27/8/2015	30 min	N2		47.5	34.7	49.8	66.6	No		Dominant noise was raod traffic	Yes
				52.6	34.8	56.6	72.4	No			Yes
				50.1	35.4	52.3	69	No			Yes
27/8/2015	30 min	N3		60.1	36.9	57.7	82	No		Dominant noise was road traffic. Very heavy volumes at the time, may be attributed to school traffic.	Yes
				61.3	39.8	61.3	81.2	No			Yes
				61.7	40.9	61.3	83.3	No			Yes
27/8/2015	30 min	n7		64.1	43.6	68.6	79.2	No		Dominant and heavy traffic from wet R610 passing 5-6 m from N7 locations turning onto Strawhill road to landfill site.	Yes
				60.8	47.4		75.7	No			Yes
				60.6	43.5	64.5	84.3	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

SELECT

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

It is often beneficial to analyse La90 results particularly where plant noise is steady and audible during operations on site. The IA90 results often referr to as background noise, it usually gives a good indication of the constant noise level coming from a site. Looking at the results we can see the LA 90 results are

Any additional comments? (less than 200 words)

Resource Usage/Energy efficiency summary	Lic No:	W0023-1	Year	2015	
		<b></b>	Additional information		
1 When did the site carry out the most recent energy efficiency audit? Please list the recommen	dations in table 3 below	2007			
	SEAI - Large Industry	4			
Is the site a member of any accredited programmes for reducing energy usage/water conservation	n such Energy Network				
2 as the SEAI programme linked to the right? If yes please list them in additional information	<u>(LIEN)</u>	no			
Where Fuel Oil is used in boilers on site is the sulphur content compliant with licence conditions?	Please state percentage in				

SELECT

N/A

Table R1 Energy usage on site Production +/- % Energy compared to Consumption +/- % previous reporting vs overall site Energy Use Current year (2015) vear\*\* production\* Previous year Total Energy Used (MWHrs) 0.032327 0.03927 -17.70% Total Energy Generated (MWHrs) Total Renewable Energy Generated (MWHrs) Electricity Consumption (MWHrs) 0.03927 0.032327 -17.70% 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

additional information

3

\* 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 Consumption	
						Volume used i.e not	
			Production +/- %	Energy		discharged to	
			compared to	Consumption +/- %	Volume Discharged	environment e.g.	
	Water extracted	Water extracted	previous reporting	vs overall site	back to	released as steam	
Water use	Previous year m3/yr.	Current year m3/yr.	year**	production*	environment(m <sup>3</sup> yr):	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					
	Total	Landfill	Incineration	Recycled	Other
Hazardous (Tonnes)	0				
Non-Hazardous (Tonnes)	0				

source	e Usage/Energy efficiency sum	imary			Lic No:	W0023-1		Year	2015
	Table R4: Energy Audit finding recommendations								
	Date of audit		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	2015	
_	Complaints						
			Additional inform	ation			
	Have you received any environmental complaints in the current reporting year? If yes please complete summary						
	details of complaints received on site in table 1 below	No					

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

		Additional information						
Have any incidents occurred on site in the current repor								
year in Tab	year in Table 2 below							
****								
*For information on how to report and what constitutes								
an incident								

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

Table 2 Incidents sun	nmary													
						Other	Activity in				Preventative			1
			Incident category*please			cause(please	progress at			Corrective action<20	action <20		Resolution	Liklihood of
Date of occurrence	Incident nature	Location of occurrence	refer to guidance	Receptor	Cause of incident	specify)	time of incident	Communication	Occurrence	words	words	Resolution status	date	reoccurence
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT
Total number of														
incidents current														
year														
Total number of														
incidents previous														
year														
% reduction/		]												
increase														

WASTE SUMMARY					Lic No:	W0023-1		Year	2015			
ECTION A-PRTR C	N SITE WASTE TREATMEN	T AND WASTE TRANSFERS	TAB- TO BE COMPLI	ETED BY ALL IPPC AI	ND WASTE FACILITIES	PRTR facility lo	gon	dropdown li	st click to see options			
			Quantity (Tonnes per Year)			M	ethod Used	-	Haz Waste : Name and Licence/Permit No of Next Destination Facility <u>Non Haz Waste</u> : Name and Licence/Permit No of Recover/Disposer	Haz Waste : Address of Next Destination Facility <u>Non Haz Waste</u> : Address of Recover/Disposer	Name and License / Permit No. and Address of Final Recoverer / Disposer (HAZARDOUS WASTE ONLY)	Actual Address Destination i. Recovery / Diss (HAZARDOUS ONLY
Transfer Destination	European Waste Code	Hazardous		Description of Waste	Waste Treatment Operation	M/C/E	Method Used	Location of Treatment			ENIVA 14/0194	
Within the Country	13 02 06	Yes	7.24	synthetic engine, gear and lubricating oils	R9	м	Weighed	Offsite in Ireland	ENVA ,IPC 472 WMC 16/01 Greenstar Limited,WL 136-2;		ENVA ,W0184- 01,ENVA ,Clonminam Industrial Estate ,Portlaoise.,.,Irela nd	ENVA ,Cloni Industrial E: ,Portlaoise., d
Within the Country	15 01 01	No	107.64	Cardboard	R5	М	Weighed	Offsite in Ireland	CKWMC 20/04	,Cork,Ireland Corbally North		
Within the Country	15 01 02	No	34.78	Plastic bottles	R13	м	Weighed	Offsite in Ireland	Green Dragon Recycling,CK3 46/03 CKMWC 183/03	,Glanmire ,Cork.,.,Ireland Corbally North		
Within the Country	15 01 04	No	4.06	Food tins	R4	м	Weighed	Offsite in Ireland	Green Dragon Recycling,CK3 46/03 CKMWC 183/03	,Glanmire ,Cork.,.,Ireland Corbally North		
Within the Country	15 01 04	No	1.58	Bevarge Cans	R13	м	Weighed	Offsite in Ireland	Green Dragon Recycling,CK3 46/03 CKMWC 183/03	,Glanmire ,Cork.,.,Ireland		
Nithin the Country	15 01 07	No	64.8	glass packaging	R5	м	Weighed	Offsite in Ireland	Mr. Binman,W0061-01	Kilmallock ,Co. ,Limerick,.,Irelan d		
Vithin the Country	16 06 01	Yes	0.34	lead batteries	R6	м	Weighed	Offsite in Ireland	KMK Metals ,W0133-03	,Daingean Road ,Tullamore ,Co.		Cappincur Industrial E ,Daingean ,Tullamore Offaly,Irela
Vithin the Country Vithin the Country	16 06 04 17 01 07	No	1.56	alkaline batteries (except 16 06 03) mixture of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06	R4	M	Weighed	Offsite in Ireland Offsite in Ireland	KMK Metals ,W0133-03 Ballineen Skip Hire,CK-0054-01	Cappincur Industrial Estate ,Daingean Road ,Tullamore ,Co. Offaly,Ireland Ballineen Skip Hire,Ballineen ,Co. Cork,Cork,Irelan d		
	17 08 02	Νο		gypsum-based construction materials other than those mentioned in 17 08 01	R5	м	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				landfill leachate other						Carrigtwohill		
·				than those mentioned					Carrigtwohill wastewater	,.,Co		
Within the Country	19 07 03	No	285.1		R12	М	Weighed	Offsite in Ireland	Carrigtwohill wastewater treatment plant,D0044-01 Killarney Waste Disposal -	,.,Co Cork,.,Ireland Aughacureen,Kill arney ,Co Kerry,Kerry,Irela		

WASTE SUMMAR	Y			Lic No:	W0023-1		Year	201	;	
									41 Cookstown Industrial Estate	
Within the Country	20 01 02	No	65.78 Flat glass	R5	м	Weighed	Offsite in Ireland	MSM Recycling ,W0079-01	,Tallaght ,Co. Dublin.,.,Ireland	
Nithin the Country	20 01 11	No	7.48 textiles	R3	м	Weighed	Offsite in Ireland	Textile Recycling Ltd.,Charity no number	Glen Abbey Complex ,Belgard Road ,Tallaght ,Dublin 24.,Ireland KMK Metals	
/ithin the Country	20 01 21	Yes	fluorescent tubes and other mercury- 0.92 containing waste	R4	м	Weighed	Offsite in Ireland	KMK Metals ,W0133-03	,W0133- Cappincur 03,Cappincur Industrial Estate Industrial Estate ,Daingean Road ,Daingean Road ,Tullamore,Co. ,Tullamore,Co. Offaly,Ireland unit1,GB Business	Cappinco Industria ,Daingea ,Tullamo Offaly,Iro
Vithin the Country	20 01 25	No	2.64 edible oil and fat	R9	м	Weighed	Offsite in Ireland	Frylite,WFP-CK-11-0092	Park,Little Island,Co. Cork,Ireland	
Vithin the Country	20 01 28	No	paint, inks, adhesives and resins other than those mentioned in 20 17.1 0127	R2	м	Weighed	Offsite in Ireland	ENVA ,IPC 472 WMC 16/01	ENVA ,Clonminam Industrial Estate ,Portlaoise,,,Irel and	
Vithin the Country	20 01 36	Νο	discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35		м	Weighed	Offsite in Ireland	KMK Metals ,W0133-03	Cappincur Industrial Estate ,Daingean Road ,Tullamore ,Co. Offaly,Ireland Kinsale Road	
/ithin the Country	20 01 38	No	wood other than that 965.56 mentioned in 20 01 37	R3	м	Weighed	Offsite in Ireland	CTO Environmental Solutions,CK(S)283/06	landfill ,blackash ,Cork City,Cork ,Ireland	
Vithin the Country	20 01 40	No	237.06 metals	R4	М	Weighed	Offsite in Ireland	Pouladuff Dismantlers,WMP 08/01	Forge Hill ,Cork.,,,,Ireland Sarsfield Court	
/ithin the Country	20 02 01	No	157.0 Green Waste	R3	м	Weighed	Offsite in Ireland	Greenstar Limited,WL 136-2; CKWMC 20/04	,Glanmire ,Co. Cork ,Cork,Ireland Sarsfield Court ,Glanmire ,Co.	
Vithin the Country	20 03 01	No	270.52 mixed municipal waste	D1	М	Weighed	Offsite in Ireland	Greenstar Limited,WL 136-2; CKWMC 20/04	Cork ,Cork,Ireland Sarsfield Court	
Vithin the Country	20 03 07	No	2071.68 bulky waste	R3	М	Weighed	Offsite in Ireland	Greenstar Limited,WL 136-2; CKWMC 20/04	,Glanmire ,Co. Cork ,Cork,Ireland .,.,Limerick,.,Irela	
Within the Country	20 01 11	No	7.92 textiles	R3	м	Weighed	Offsite in Ireland	Enable Ireland,.	nd	
Within the Country	20 02 01	Νο	857.86 Green Waste	R3	м	Weighed	Offsite in Ireland	CTO Environmental Solutions,CK(S)283/06	Kinsale Road landfill,blackash ,Cork City,Cork ,Ireland Sarsfield Court ,Glanmire ,Co.	
Within the Country	20 03 03	No	176.41 street-cleaning residues	D1	м	Weighed	Offsite in Ireland	Greenstar Limited,WL 136-2; CKWMC 20/04	Cork ,Cork, Jork, Jreland	
country obtained y	20 00 00	110	170.41 00000 0.0011119 1001000		ivi	reighted	onsite in relatio	0.000	,compretation	

WASTE SUMMAR	RY		Lic No:	W0023-1		Year	20	15
Within the Country	20 02 01	No	857.86 Green Waste R3	м	Weighed	Offsite in Ireland	CTO Environmental Solutions,CK(S)283/06	Kinsale Road landfill ,blackash ,Cork City,Cork ,Ireland Sarsfield Court ,Glanmire ,Co.
Within the Country	20 03 03	No	176.41 street-cleaning residues D1	м	Weighed	Offsite in Ireland	Greenstar Limited,WL 136-2; CKWMC 20/04	Cork ,Cork,Ireland

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

Were any wastes accepted onto your site for recovery or disposal or treatment prior to recovery or disposal within the boundaries of your facility ?; (waste generated within your 1 boundaries is to be captured through PRTR reporting)

If yes please enter details in table 1 below

2 Did your site have any rejected consignments of waste in the current reporting year? If yes please give a brief explanation in the additional information

ate the quantity in tonnes in 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

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

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

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

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

6 Does your facility have relevant nuisance controls in place?

7 Do you have an odour management system in place for your facility? If no why?

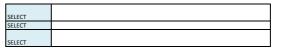
8 Do you maintain a sludge register on site?

ECTION D-TO BE COMPLETED BY LANDFILL SITES ONLY

Table 2 Waste type	e and tonnage-landfill only	-
		Remaining lice

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



SELECT SELECT SELECT

Additional Information

SELECT

SELECT

WASTE SUMMARY					Lic No:	W0023-1		Year	2015					
Area II	D	Date landfilling commenced	Date landfilling ceased	Currently landfilling	Private or Public Operated	Inert or non-hazardous	Predicted date to cease landfilling	Licence permits asbestos	Is there a separate cell for asbestos?		area occupied by	Lined disposal area occupied by waste	Unlined area	Comments on liner type
											SELECT UNIT	SELECT UNIT	SELECT UNIT	
Cell 8														

## Table 4 Environmental monitoring-landfill onl Landfill Manual-Monitoring Standards

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

Lic No:

W0023-1

SELECT

Year

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

### Table 5 Capping-Landfill only

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

\*please note this includes daily cover area

Table 6 Leachate-Landfill only

9 Is leachate from your site treated in a Waste Water Treatment Plant?

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

		Leachate (NH4) mass load (kg/annum)	Leachate (Chloride) mass load kg/annum	Specify type of leachate treatment	Comments
- 1					

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	· · · · ·	Comments
			SELECT	