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
Please note an interpretation of resu	ults is still required. This should be e

Please note an interpretation of results is still required. This should be en appropriately to fit your interpretation, if additional space is required plea template should have all cells sized appropri :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

ntered in the additional information/comments boxes within the templates. Please size these boxes ise include an appendix to the AER template and merge it as part of the AER PDF document. The excel ately so that all text is readable before it is converted to PDF document.

Facility	/ Inforr	nation	Summarv	,
ιατιπι	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	πατισπ	Juillialv	

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

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

		-					
2017							
w0161-02							
Bottlehill landfill							
Bur	nfort , Mall	ow ,Co.Corl	K				

The Environmental Protection Agency (EPA) issued Cork County Council with a waste Licence No W0161-01 for Bottlehill landfill on the 25th June 2004. In accordance with the requirment of Condition 11.61.1 of the waste licence. The site is located 10 KM form Mallow and 3.3km SW of Burnfort Village and 3.65 KM east of the N20. In 2012 Cork County Council requested a reduction in Environmental Monitoirng as Bottlehill Landfill was inactive. The following reductions were granted by the EPA. Annual surface water and ground water monitoirng to include annual parameters. Suspension of noise, dust, ecology and gas monitoirng unitl 6 months prior to the landfill becoming operational. These changes are reflected in the 2017 AER.

# **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	Marie Mortell	Date 10/2/2017
(or nominated, suitably qualified and experienced deputy)		

-

AIR-summary template	Lic No:	0	Year	2017
Answer all questions and complete all tables where relevant				
			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 No

	Periodic/Non-Continuous Monitoring		
:	2 Are there any results in breach of licence requirements? If y TableA1		
:	<sup>3</sup> Was all monitoring carried out in accordance with EPA guid note AG2 and using the basic air monitoring checklist?		

# Table A1: Licensed Mass Emissions/Ambient da

Emission reference no:	: Parameter/ Substance	Frequency of	ELV in licence or any revision therof	Licence Compliance criteria		Compliant with licence limit	Method of analysis	Annual mass	Comments - reason for change in % mass load from previous year if applicable
	SELECT			SELECT	SELECT	SELECT	SELECT		
	SELECT			SELECT	SELECT	SELECT	SELECT		
	SELECT SELECT			SELECT SELECT			SELECT SELECT		

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

	AIR-summary template	Lic No:	0	Year	2017
	Continuous Monitoring				
4	Does your site carry out continuous air emissions monitoring?	SELECT			
	If yes please review your continuous monitoring data and report the required fields below in Table A2 and compare it to its relevant Emission Limit Value (ELV)	· 			
5	Did continuous monitoring equipment experience downtime? If yes please record downtime in table A2 below	SELECT			1
6	Do you have a proactive service agreement for each piece of continuous monitoring equipment?	SELECT			1
7	Did your site experience any abatement system bypasses? If yes please detail them in table A3 below Table A2: Summary of average emissions -continuous monitoring	SELECT			

Emission reference no:	Parameter/ Substance		Averaging Period	•		Annual Emission	0	Number of ELV exceedences in	Comments
reference no:					measurement			current	
		ELV in licence or any revision therof						reporting year	
	SELECT			SELECT	SELECT				
	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:	0		Year	2017		
	Solvent	use and manageme	ent on site									
8	8 Do you have a total Emission Limit Value of direct and fugitive emissions on site? if yes please fill out tables A4 and A5 SELECT											
	Table A4: Solvent Management Plan Summary Total VOC Emission limit value			Solvent         Please refer to linked solvent regulations to regulations           regulations         complete table 5 and 6								
	Reporting year	Total solvent input on site (kg)	Total VOC emissions to Air from entire site (direct and fugitive)	Total VOC emissions as %of solvent input	Total Emission Limit Value (ELV) in licence or any revision therof	Compliance						
						SELECT	_					
						SELECT						
	Table A5:	Solvent Mass Balan	ce summary							٦		
		(I) Inputs (kg)			(0)	Outputs (kg)						
	Solvent	(I) Inputs (kg)	Organic solvent emission in waste	Solvents lost in water (kg)	Collected waste solvent (kg)	Fugitive Organic Solvent (kg)	Solvent released in other ways e.g. by-	Solvents destroyed onsite through	Total emission of Solvent to air (kg)			
										-		
										-		
								Total				

### AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)

### 0 Year Additional information

2017

7

Does your site have licensed emissions direct to surface water or direct to sewer? If yes please complete table W2 and W3 below for the current reporting year and answer further questions. If you do not have licenced emissions you <u>only</u> need to complete table W1 and or W2 for storm water analysis and visual inspections

Yes

Lic No:

Was it a requirement of your licence to carry out visual inspections on any surface water discharges or 2 watercourses on or near your site? If yes please complete table W2 below summarising <u>only any evidence of</u> <u>contamination noted during visual inspections</u>

Table W1 Storm water monitoring

		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	Measured value	Unit of measurement	Compliant with licence	Comments
SW1	downstream	Alkalanity	SELECT		NONE	All values < ELV	305	mg/l	yes	no upward trend
	downstream	SELECT	Boron		1.0 MG/L	All values < ELV	<0.02	mg/l	yes	no upward trend
	downstream	Chromium and compounds (as Cr)	SELECT		0.03 MG/L	All values < ELV	<3.0	ug/l	yes	no upward trend
	downstream	Copper and compounds (as Cu)	SELECT		0.03 mg/l	All values < ELV	<0.003	ug/l	yes	no upward trend
	downstream	Cadmium and compounds (as Cd)	SELECT		0.005 MG/L	All values < ELV	<0.1	ug/l	yes	no upward trend
	downstream	SELECT	Iron		0.2 mg/l	All values < ELV	200	ug/l	yes	no upward trend
	downstream	Lead and compounds (as Pb)	SELECT			All values < ELV	<0.3	ug/l	yes	no upward trend
	downstream	SELECT	Magnesium		50 mg/l	All values < ELV	1.5	mg/l	yes	no upward trend
	downstream	SELECT	Manganese (as Mn)		0.05 mg/l	All values < ELV	38	ug/l	yes	no upward trend
	downstream	Mercury and compounds (as Hg)	SELECT		0.001 mg/l	All values < ELV	<0.02	ug/l	yes	no upward trend
	downstream	Nickel and compounds (as Ni)	SELECT		0.05 mg/l	All values < ELV	<0.5	ug/l	yes	no upward trend
	downstream	SELECT	Potassium		5 mg/l	All values < ELV	0.3	ug/l	yes	no upward trend
	downstream	SELECT	Sulphate		200 mg/l	All values < ELV	<1.0	mg/l	yes	no upward trend
	downstream	SELECT	Total Oxidised Nitrogen (TON)	r	no abnormal chang	All values < ELV	<0.15	mg/l	yes	no upward trend
	downstream	SELECT	Ortho-phosphate (as PO4)			All values < ELV	<0.005	mg/l	yes	no upward trend
	downstream	Zinc and compounds (as Zn)	SELECT		0.1 mg/l	All values < ELV	<1.0	mg/l	yes	no upward trend
	downstream	Total phosphorus	SELECT			All values < ELV	0.02	ug/l	yes	no upward trend
SW1A	upstream	Alkalanity	SELECT			All values < ELV	109	mg/l	yes	no upward trend
	upstream	SELECT	Boron			All values < ELV	<0.02	mg/l	yes	no upward trend
	upstream	mium and compounds (a	SELECT			All values < ELV	<3.0	ug/l	yes	no upward trend
	upstream	pper and compounds (as	SELECT			All values < ELV	<0.003	ug/l	yes	no upward trend
	upstream	mium and compounds (as	SELECT			All values < ELV	<0.1	ug/l	yes	no upward trend
	upstream	SELECT	Iron			All values < ELV	150	ug/l	yes	no upward trend
	upstream	ead and compounds (as P	SELECT			All values < ELV	<0.3	ug/l	yes	no upward trend
	upstream	SELECT	Magnesium			All values < ELV	1.5	mg/l	yes	no upward trend
	upstream	SELECT	Manganese (as Mn)			All values < ELV	10	ug/l	yes	no upward trend

AED Manitani	•		/WASTEWATER(SEWER)	Lic No:	0		Year	2017	
AEK MONITOR	ing returns sumi	mary template-wATER	WASTEWATER(SEWER)	Lic No:	0		rear		
	upstream	cury and compounds (as	SELECT	All values < ELV	<0.02	ug/l	yes	no upward trend	
	upstream	ckel and compounds (as	SELECT	All values < ELV	<0.5	ug/l	yes	no upward trend	
	upstream	SELECT	Potassium	All values < ELV	0.3	ug/l	yes	no upward trend	
	upstream	SELECT	Sulphate	All values < ELV	<1.0	mg/l	yes	no upward trend	
	upstream	SELECT	Total Oxidised Nitrogen (TON)	All values < ELV	<0.15	mg/l	yes	no upward trend	
	upstream	SELECT	Ortho-phosphate (as PO4)	All values < ELV	<0.005	mg/l	yes	no upward trend	
	upstream	inc and compounds (as Z	SELECT	All values < ELV	<1.0	mg/l	yes	no upward trend	
	upstream	Total phosphorus	SELECT	All values < ELV	0.02	ug/l	yes	no upward trend	
SW2	onsite	Alkalanity	SELECT	All values < ELV	DRY	mg/l	yes	no upward trend	
	onsite	SELECT	Boron	All values < ELV	DRY	mg/l	ves	no upward trend	
	onsite	mium and compounds (a	SELECT	All values < ELV	DRY	ug/l	yes	no upward trend	
	onsite	pper and compounds (as	SELECT	All values < ELV	DRY	ug/l	yes	no upward trend	
	onsite	mium and compounds (as	SELECT	All values < ELV	DRY	ug/l	yes	no upward trend	
	onsite	SELECT	Iron	All values < ELV	DRY	ug/l	yes	no upward trend	
	onsite	ead and compounds (as F		All values < ELV	DRY	ug/l	yes	no upward trend	
	onsite	SELECT	Magnesium	All values < ELV	DRY	mg/l	yes	no upward trend	
	onsite	SELECT	Manganese (as Mn)	All values < ELV	DRY	ug/l	yes	no upward trend	
	onsite	cury and compounds (as	SELECT	All values < ELV	DRY	ug/l	yes	no upward trend	
	onsite	ckel and compounds (as	SELECT	All values < ELV	DRY	ug/l	yes	no upward trend	
	onsite	SELECT	Potassium	All values < ELV	DRY	ug/l	yes	no upward trend	
	onsite	SELECT	Sulphate	All values < ELV	DRY	mg/l		no upward trend	
	onsite	SELECT	Total Oxidised Nitrogen (TON)	All values < ELV	DRY	mg/l	yes	no upward trend	
	onsite	SELECT		All values < ELV	DRY			no upward trend	
		inc and compounds (as Z	Ortho-phosphate (as PO4) SELECT	All values < ELV	DRY	mg/l mg/l	yes	no upward trend	
	onsite		SELECT				yes	no upward trend	
sw3	onsite	Total phosphorus		All values < ELV	DRY	ug/l mg/l	yes	no upward trend	
	downstream	Alkalanity	SELECT	All values < ELV	272	mg/l	yes	no upward trend	
	downstream	SELECT	Boron	All values < ELV	<0.02		yes	no upward trend	
		mium and compounds (a	SELECT	All values < ELV	<3.0	ug/l	yes	no upward trend	
		pper and compounds (as	SELECT	All values < ELV	<0.003	ug/l	yes	no upward trend	
		mium and compounds (as	SELECT	All values < ELV	<0.1	ug/l	yes	no upward trend	
	downstream	SELECT	Iron	All values < ELV	630	ug/l	yes	no upward trend	
		ead and compounds (as F	SELECT	All values < ELV	<0.3	ug/l	yes	no upward trend	
	downstream	SELECT	Magnesium	All values < ELV	2.2	mg/l	yes	-	
	downstream	SELECT	Manganese (as Mn)	All values < ELV	110	ug/l	yes	no upward trend	

AER Monitori	ng returns sumi	mary template-WATER	/WASTEWATER(SEWER)		Lic No:	0		Year	2017
						<u> </u>		- Cui	no upward trend
	downstream	cury and compounds (as	SELECT		All values < ELV	<0.02	ug/l	yes	
	downstream	ckel and compounds (as	SELECT		All values < ELV	0.7	ug/l	yes	no upward trend
	downstream	SELECT	Potassium		All values < ELV	0.4	ug/l	yes	no upward trend
	downstream	SELECT	Sulphate		All values < ELV	<1.0	mg/l	yes	no upward trend
	downstream	SELECT	Total Oxidised Nitrogen (TON)		All values < ELV	<0.15	mg/l	yes	no upward trend
	downstream	SELECT	Ortho-phosphate (as PO4)		All values < ELV	0.007	mg/l	yes	no upward trend
	downstream	inc and compounds (as Z	SELECT		All values < ELV	1.1	mg/l	yes	no upward trend
	downstream	Total phosphorus	SELECT		All values < ELV	0.03	ug/l	yes	no upward trend
SW4	downstream	Alkalanity	SELECT		All values < ELV	79	mg/l	yes	no upward trend
	downstream	SELECT	Boron		All values < ELV	<0.02	mg/l	yes	no upward trend
	downstream	mium and compounds (a	SELECT		All values < ELV	<3.0	ug/l	yes	no upward trend
	downstream	pper and compounds (as	SELECT		All values < ELV	<0.003	ug/l	yes	no upward trend
	downstream	mium and compounds (as	SELECT		All values < ELV	<0.1	ug/l	yes	no upward trend
	downstream	SELECT	Iron		All values < ELV	360	ug/l	yes	no upward trend
	downstream	ead and compounds (as F	SELECT		All values < ELV	<0.3	mg/l	yes	no upward trend
	downstream	SELECT	Magnesium		All values < ELV	3.1	ug/l	yes	no upward trend
	downstream	SELECT	Manganese (as Mn)		All values < ELV	63	ug/l	yes	no upward trend
	downstream	cury and compounds (as	SELECT		All values < ELV	<0.02	ug/l	yes	no upward trend
	downstream	ckel and compounds (as	SELECT		All values < ELV	0.5	ug/l	yes	no upward trend
	downstream	SELECT	Potassium		All values < ELV	0.9	mg/l	yes	no upward trend
	downstream	SELECT	Sulphate		All values < ELV	5.1	mg/l	yes	no upward trend
	downstream	SELECT	Total Oxidised Nitrogen (TON)		All values < ELV	1.1	mg/l	yes	no upward trend
	downstream	SELECT	Ortho-phosphate (as PO4)		All values < ELV	0.008	mg/l	yes	no upward trend
	downstream	inc and compounds (as Z	SELECT		All values < ELV	1.5	ug/l	yes	no upward trend
	downstream	Total phosphorus	SELECT		All values < ELV	0.03	mg/l	yes	no upward trend
sw5	downstream	Alkalanity	SELECT		All values < ELV	39	mg/l	yes	no upward trend
	downstream	SELECT	Boron		All values < ELV	<0.02	mg/l	yes	no upward trend
	downstream	mium and compounds (a	SELECT		All values < ELV	<3.0	ug/l	yes	no upward trend
	downstream	pper and compounds (as	SELECT		All values < ELV	<0.003	ug/l	yes	no upward trend
	downstream	mium and compounds (as	SELECT		All values < ELV	<0.1	ug/l	yes	no upward trend
	downstream	SELECT	Iron		All values < ELV	390	ug/l	yes	no upward trend
	downstream	ead and compounds (as F	SELECT		All values < ELV	<0.3	mg/l	yes	no upward trend
	downstream	SELECT	Magnesium		All values < ELV	3.3	ug/l	yes	no upward trend
	downstream	SELECT	Manganese (as Mn)		All values < ELV	48	ug/l	yes	no upward trend

LR Moneyme (return warrely warrely WATEXPURDE)       LR No       0       Warrely       Quant of the part o	TERM .					¥ •	• <b>.</b>	0	Year 20		
District	AEK MONITOLI	ng returns sumr	nary template-wATER	WASTEWATER(SEWER)	- 1		IC INO:	0	1	rear	
ObservedDescription<		downstream	cury and compounds (as	SELECT		А	All values < ELV	<0.02	ug/l	yes	no upward trend
Observed o		downstream	ckel and compounds (as	SELECT		А	All values < ELV	1.3	ug/l	yes	no upward trend
Objective 		downstream	SELECT	Potassium		А	All values < ELV	0.9	mg/l	yes	no upward trend
Absolution<		downstream	SELECT	Sulphate		A	All values < ELV	4.3	mg/l	yes	no upward trend
AdditionSHEACOnly-phone intervalAddition of the sectorAddition of the sector $[10]$ $[1$		downstream	SELECT	Total Oxidised Nitrogen (TON)		A	All values < ELV	1.9	mg/l	yes	no upward trend
ObstictedDistanceDistan		downstream	SELECT	Ortho-phosphate (as PO4)		A	All values < ELV	0.007	mg/l	yes	no upward trend
ObserverseObserverseObserverseNotableObserverse <th< td=""><td></td><td>downstream</td><td>inc and compounds (as Z</td><td>SELECT</td><td></td><td>A</td><td>All values &lt; ELV</td><td>8.7</td><td>ug/l</td><td>yes</td><td>no upward trend</td></th<>		downstream	inc and compounds (as Z	SELECT		A	All values < ELV	8.7	ug/l	yes	no upward trend
outside outside and componds outside downtreamAltanamy Altanamy BELECTSELECTAltanamy Altanany Altanamy Altan		downstream	Total phosphorus	SELECT		A	All values < ELV	0.03	mg/l	yes	no upward trend
of downtreamSHEATDataAll valuesSALESaleAll valuesSaleAll valuesSaleAll valuesSaleAll valuesSaleAll valuesSaleAll valuesSaleSa	SW6	downstream	Alkalanity	SELECT		А	All values < ELV	30	mg/l	yes	no upward trend
obviewerinformation (a) ShEAC1AN values $<$ ELV(A) (a) (b) (b) (b) (b) (b) (b) (b) (b) (b) (b		downstream	SELECT	Boron		A	All values < ELV	<0.02	mg/l	yes	no upward trend
ownstreamoperand compounds (asSELECTAll values < ELVoutputoperand (as)operand (as)downstreamsinu and compounds (asSELECTAll values < ELV		downstream	mium and compounds (a	SELECT		A	All values < ELV	<3.0	ug/l	yes	no upward trend
of overstreaminimital compounds (a)SELECTinimital compounds (a)SELECTinitial compounds (a)initial compounds (a) <td></td> <td>downstream</td> <td>pper and compounds (as</td> <td>SELECT</td> <td></td> <td>A</td> <td>All values &lt; ELV</td> <td>&lt;0.003</td> <td>ug/l</td> <td>yes</td> <td>no upward trend</td>		downstream	pper and compounds (as	SELECT		A	All values < ELV	<0.003	ug/l	yes	no upward trend
downstream downstream ad and compounds (as FDiffieldAll values E LVadoOutUpUssoutput deddownstream downstreamSELECTMagnesiamAll values E LV0.03mg.1Upsno upwal treddownstreamSELECTMagnesiamAll values E LV0.22Up1Upsno upwal treddownstreamSELECTMagnesiamAll values E LV0.62Up1Upsno upwal treddownstreamSELECTMagnesiamAll values E LV0.60Up1Upsno upwal treddownstreamSELECTPotassiamIAll values E LV0.66Up1Upsno upwal treddownstreamSELECTPotassiamIAll values E LV0.66Up1Upsno upwal treddownstreamSELECTPotassiamIAll values E LV0.66Up1Upsno upwal treddownstreamSELECTPotassiamIAll values E LV0.61Up1Upsno upwal treddownstreamSELECTTotal Oxidsted Nitrogen (TON)All values E LV0.61Up1Upsno upwal treddownstreamSELECTOrthophosphate (as PO4)IAll values E LV0.61Up1Upsno upwal treddownstreamne ad outpounds (azSELECTIAll values E LV0.61Up1Upsno upwal treddownstreamne ad outpounds (azSELECTIAll values E LV0.61Up1Upsno upwal tred <td></td> <td>downstream</td> <td>mium and compounds (as</td> <td>SELECT</td> <td></td> <td>A</td> <td>All values &lt; ELV</td> <td>&lt;0.1</td> <td>ug/l</td> <td>yes</td> <td>no upward trend</td>		downstream	mium and compounds (as	SELECT		A	All values < ELV	<0.1	ug/l	yes	no upward trend
Joinstitum is al information is all inf		downstream	SELECT	Iron		A	All values < ELV	490	ug/l	yes	no upward trend
downstream       SELC1       Magnesum       All values < ELV		downstream	ead and compounds (as F	SELECT		A	All values < ELV	<0.3	mg/l	yes	no upward trend
downstream       OSFLECI       Antiganeses (LS Min)       All values < ELV		downstream	SELECT	Magnesium		A	All values < ELV	2.2	ug/l	yes	no upward trend
downstream       cbr/and compounds (as       SELEC.1       All values < ELV		downstream	SELECT	Manganese (as Mn)		A	All values < ELV	62	ug/l	yes	no upward trend
downstream       SELECT       Potassium       All values < ELV		downstream	cury and compounds (as	SELECT		A	All values < ELV	<0.02	ug/l	yes	no upward trend
downstream       SELECI       Potassium       Image: Construction       Image: Constructi		downstream	ckel and compounds (as	SELECT		A	All values < ELV	0.6	ug/l	yes	no upward trend
downstream       SELECT       Total Oxidised Nitrogen (TON)       All values < ELV		downstream	SELECT	Potassium		A	All values < ELV	0.9	mg/l	yes	no upward trend
adownstream       SELECT       Total Oxfaised Nitrogen (TON)       All values < ELV		downstream	SELECT	Sulphate		A	All values < ELV	42	mg/l	yes	no upward trend
downstreamSELEC1Ortho-prospinate (as PQ4)All values < ELV $0017$ $mg/1$ $yes$ $n$ upward trenddownstreaminc and compounds (as ZSELECT $All values < ELV$ $57.1$ $ug/1$ $yes$ $no upward trenddownstreamTotal phosphorusSELECTAll values < ELV0.04mg/1yesno upward trendSW7downstreamAlkalanitySELECTAll values < ELV0.04mg/1yesno upward trenddownstreamSELECTBoronAll values < ELV0.02mg/1yesno upward trenddownstreamnium and compounds (aSELECTAll values < ELV0.02mg/1yesno upward trenddownstreamnium and compounds (aSELECTAll values < ELV0.02mg/1yesno upward trenddownstreamnium and compounds (aSELECTAll values < ELV0.003ug/1yesno upward trenddownstreamnium and compounds (asSELECTAll values < ELV0.01ug/1yesno upward trenddownstream$		downstream	SELECT	Total Oxidised Nitrogen (TON)		A	All values < ELV	1.2	mg/l	yes	no upward trend
downstream       include compounds (as Z       SELECT       All values < ELV		downstream	SELECT	Ortho-phosphate (as PO4)		А	All values < ELV	0.017	mg/l	yes	no upward trend
SW7       downstream       Alkalanity       SELECT       All values < ELV		downstream	inc and compounds (as Z	SELECT		A	All values < ELV	57.1	ug/l	yes	no upward trend
downstream       Alkalanity       SELECT       All values < ELV		downstream	Total phosphorus	SELECT		А	All values < ELV	0.04	mg/l	yes	no upward trend
downstream       SELEC1       Boron       All values < ELV	SW7	downstream	Alkalanity	SELECT		A	All values < ELV	312	mg/l	yes	no upward trend
downstream mum and compounds (a)       SELECT       All values < ELV		downstream	SELECT	Boron		А	All values < ELV	<0.02	mg/l	yes	no upward trend
downstream       pper and compounds (as       SELECT       All values < ELV		downstream	mium and compounds (a	SELECT		А	All values < ELV	<3.0	ug/l	yes	no upward trend
downstream mum and compounds (as     SELECT     All values < ELV		downstream	pper and compounds (as	SELECT		А	All values < ELV	<0.003	ug/l	yes	no upward trend
downstream     SELECT     All values < ELV     260     ug1     yes       downstream     ead and compounds (as P     SELECT     All values < ELV		downstream	mium and compounds (as	SELECT		А	All values < ELV	<0.1	ug/l	yes	no upward trend
downstream     SELECT     Magnesium     All values < ELV     3.1     ug/l     yes       downstream     SELECT     Magnesium     All values < ELV		downstream	SELECT	Iron		А	All values < ELV	260	ug/l	yes	no upward trend
downstream SELECI Magnesium All values < ELV 3.1 ug/l yes rounword tend		downstream	ead and compounds (as F	SELECT		А	All values < ELV	<0.3	mg/l	yes	no upward trend
downstream     SELECT     Manganese (as Mn)     All values < ELV     15     ug/l     yes     no upward trend		downstream	SELECT	Magnesium		А	All values < ELV	3.1	ug/l	yes	no upward trend
		downstream	SELECT	Manganese (as Mn)		A	All values < ELV	15	ug/l	yes	no upward trend

ER Monit	oring returns sum	nary template-WATER	WASTEWATER(SEWER)		Lic No:	0		Year	2017
	downstream	cury and compounds (as	SELECT		All values < ELV	<0.02	ug/l	yes	no upward trend
	downstream	ckel and compounds (as ]	SELECT		All values < ELV	0.9	ug/l	yes	no upward trend
	downstream	SELECT	Potassium		All values < ELV	0.8	mg/l	yes	no upward trend
	downstream	SELECT	Sulphate		All values < ELV	3.5	mg/l	yes	no upward trend
	downstream	SELECT	Total Oxidised Nitrogen (TON)		All values < ELV	0.73	mg/l	yes	no upward trend
	downstream	SELECT	Ortho-phosphate (as PO4)		All values < ELV	<0.007	mg/l	yes	no upward trend
	downstream	inc and compounds (as Z	SELECT		All values < ELV	4.2	ug/l	yes	no upward trend
	downstream	Total phosphorus	SELECT		All values < ELV	0.02	mg/l	ves	no upward trend

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

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

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

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

3	Was there any result in breach of licence requirements? If yes please provide brief details i section of Table W3 below		SELECT	Additional information
	Was all monitoring carried out in accordance with EPA			
	guidance and checklists for Quality of Aqueous			
N	Aonitoring Data Reported to the EPA? If no please detail	Assessment of		
v	what areas require improvement in additional information External /Internal Lab Quality	results		
4	box <u>checklist</u>	checklist	SELECT	

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

Emission reference no:	Emission released to	Parameter/ SubstanceNote 1	Type of sample	Frequency of monitoring		ELV or trigger values in licence or any revision therof <sup>Note 2</sup>	Licence Compliance criteria	Measured value		Compliant with licence	Method of analysis	Procedural	Annual mass load (kg)	Comments
	SELECT	SELECT	SELECT		SELECT		SELECT		SELECT	SELECT	SELECT	SELECT		

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

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

AER Monitoring returns summa	ry template-WATER/WASTEWATER(SEWER)
------------------------------	-------------------------------------

Year

2017

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

0 Additional Information SELECT

Lic No:

SELECT

SELECT

SELECT

If yes please summarise your continuous monitoring data below in Table W4 and compare it to its

# relevant Emission Limit Value (ELV)

 $_{\rm 6}$  Did continuous monitoring equipment experience downtime? If yes please record downtime in table W4  $_{\rm below}$ 

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

8 Did abatement system bypass occur during the reporting year? If yes please complete table W5 below

### Table W4: Summary of average emissions -continuous monitoring

Emissio			ELV or trigger values in licence or any revision thereof				Annual Emission for current reporting year (kg)	Monitoring	exceedences in	Comments
	SELEC	SELECT		SELECT	SELECT	SELECT				
	SELEC	SELECT		SELECT	SELECT	SELECT				

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

### Table W5: Abatement system bypass reporting table

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

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

Bund/Pipeline testing template		Lic No:	0		Year	2017	
Bund testing	dropdown menu click to see options			Additional information	_		
Are you required by your licence to undertake	integrity testing on bunds and containment structures ? if yes ple	ase fill out table B1 below listing all new bunds a	nd				
	all bunds which failed the integrity test-all bunding structures wh		n				
the table below, please include all bunds outs	de the licenced testing period (mobile bunds and chemstore inclu	ded)	No				
2 Please provide integrity testing frequency peri	bd		SELECT		1		
	derground pipelines (including stormwater and foul), Tanks, sump	and containers? (containers refers to "Chemsto	re"		1		
3 type units and mobile bunds)	<b>3</b>		SELECT				
4 How many bunds are on site?					-		
5 How many of these bunds have been tested w	ithin the required test schedule?						
6 How many mobile bunds are on site?							
7 Are the mobile bunds included in the bund tes	t schedule?		SELECT				
8 How many of these mobile bunds have been to	ested within the required test schedule?						
9 How many sumps on site are included in the in					_		
10 How many of these sumps are integrity tested							
Please list any sump integrity failures in table					7		
11 Do all sumps and chambers have high level liqu			SELECT		-		
12 If yes to Q11 are these failsafe systems include			SELECT		-		
13 Is the Fire Water Retention Pond included in y	our integrity test programme?		SELECT		J		

Ta	able B1: Summary details of	f bund /containment structure ir	ntegrity 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?	Results of test	Integrity test failure explanation <50 words	Corrective action taken	Scheduled date	Results of retest(if in current reporting year)
	SELECT					SELECT				SELECT		SELECT		
	SELECT					SELECT			SELECT	SELECT		SELECT		
Has integrity testing b 15 line with BS8007/EPA 16 Are channels/transfer	* Capacity required should comply with SSR or 11.0% containment rule as detailed in yoor leence Has integrity testing been carried out in accordance with licence requirements and are all structures tested in line with ISS007/EPA Guidance? Are channels/transfer systems to remote containment systems tested? Are channels/transfer systems compliant in both integrity and available volume?				SELECT SELECT SELECT	Commentary								

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 and all which have not been tested withing the integrity test period as specified 2 Please provide integrity testing frequency period \*please note integrity testing means water tightness testing for process and foul pipelines (as required under your licence)

Table B2: Summary details of pipeline/underground structures integrity test Type of secondary containment Integrity test Does this structure have Integrity reports failure explanation Corrective action Scheduled date Results of retest(if in current Structure ID Material of construction: Type integrity testing maintained on site? Results of test taken reporting year) Type system Secondary containment? <50 words for retest SELECT SELECT SELECT SELECT SELECT SELECT SELECT SELECT

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

		Comments	
Are you required to carry out groundwater monitoring as part of your licence requirements?	yes		Please provide an interpretation of groundwater monitoring data in the
2 Are you required to carry out soil monitoring as part of your licence requirements?	no		interpretation box below or if you require additional space please
<sup>3</sup> Do you extract groundwater for use on site? If yes please specify use in comment section	no		include a groundwater/contaminated land monitoring results interpretaion as an additional section in this AER
Do monitoring results show that groundwater generic assessment criteria such as GTVs or IGVs are exceeded or is there an upward 4 trend in results for a substance? If yes, please complete the Groundwater Monitoring Guideline Template Report (link in cell G8) and submit separately through ALDER as a licensee return AND answer questions 5-12 below. template	no		
5 Is the contamination related to operations at the facility (either current and/or historic)	no		
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?	yes		
10 Has a Conceptual Site Model been developed for the site?	yes		
11 Have potential receptors been identified on and off site?	yes		
12 Is there evidence that contamination is migrating offsite?	no		Please enter interpretation of data here

Lic No:

# Table 1: Upgradient Groundwater monitoring results

Date of sampling	Sample location reference	Parameter/ Substance		Monitoring frequency	Maximum Concentration++	Average Concentration+	unit	GTV's*	SW EQS	Upward trend in pollutant concentration over last 5 years of monitoring data
11/5/2017	MW2 S	Alkalinity		Annual	206		SELECT		SW EQS	no
		Boron	ICP-MS		<0.02		SELECT	2.0 MG/L	SW EQS	no
		Cadnium	ICP-MS		<0.1		SELECT	0.005 mg/l	SW EQS	no
		Chromium	ICP-MS		14.3		SELECT	0.03 mg/l	SW EQS	no
		calcium	ICP-OES		9.8		SELECT	-	SW EQS	no
		copper	ICP-MS		<0.003		SELECT	0.03 mg/l	SW EQS	no
		cyanide	APHA 4500 CN		<10		SELECT	0.01 mg/l	SW EQS	no
		Iron	ICP-MS		50		SELECT	1.0 mg/l	SW EQS	no
		Lead	ICP-MS		<0.3		SELECT	0.01 mg/l	SW EQS	no
		Mercury	ICP-MS		<0.02		SELECT	0.001 mg/l	SW EQS	no
		Manganese	ICP-MS		37		SELECT	0.3 mg/l	SW EQS	no
		magnesium	ICP-OES		1		SELECT	-	SW EQS	no
		Nickle	ICP-MS	_	0.7		SELECT	0.05 mg/l	SW EQS	no
		potassium	ICP-OES		1.1		SELECT	5 mg/l	SW EQS	no
		sodium	Aquakem 250 auto analyser		7.1		SELECT	-	SW EQS	no
		Sulphates	Aquakem 250 auto analyser		4.5		SELECT	200 mg/l	SW EQS	no

2017

Year

ounuwater/30111	nonitorii	ng template			Lic No:	0		Year	20	017
		TDS	APHA 2110B		57		SELECT	-	SW EQS	no
		TON	Aquakem 250 auto analyser		<0.15		SELECT		SW EQS	no
		Total.Coilforms	19		0		SELECT	-	SW EQS	no
		Faecal.Coliforms	smp 019		0		SELECT	-	SW EQS	no
		SVOC	GC-MS		NR		SELECT	<10 ug/l	SW EQS	no
		VOC	GC-MS		NR		SELECT	<10 ug/l	SW EQS	no
		Selenium			NR		SELECT	10 46/1	SW EQS	no
		Pesticides	GC-MS		NR		SELECT	0.375 ug/l	SW EQS	no
11/5/2017		Alkalinity	00 1115	annual	98		SELECT	0.575 06/1	SW EQS	no
		Boron			<0.02		SELECT	2.0 MG/L	SW EQS	no
		Cadnium			<0.1		SELECT	0.005 mg/l	SW EQS	no
		Chromium			-0.1		SELECT	0.03 mg/l	SW EQS	no
		calcium			15		SELECT	0.05 mg/1	SW EQS	no
		copper			<0.003		SELECT	- 0.03 mg/l	SW EQS	no
		copper	<u> </u>		<10		SELECT	0.03 mg/l	SW EQS	no
		Iron	<u> </u>		<10		SELECT	1.0 mg/l	SW EQS	no
							SELECT		SW EQS	
		Lead			<0.3		SELECT	0.01 mg/l		no
		Mercury			<0.02		SELECT	0.001 mg/l	SW EQS	no
		Manganese			<1.0			0.3 mg/l		no
		magnesium	-		2.1		SELECT	-	SW EQS	no
		Nickle			<0.5		SELECT	0.05 mg/l	SW EQS	no
		potassium			0.7		SELECT	5 mg/l	SW EQS	no
		sodium			6.8		SELECT	-	SW EQS	no
		Sulphates			3.1		SELECT	200 mg/l	SW EQS	no
		TDS			76		SELECT	-	SW EQS	no
		TON			<0.15		SELECT		SW EQS	no
		Total.Coilforms			0		SELECT	-	SW EQS	no
		Faecal.Coliforms			0		SELECT	-	SW EQS	no
		SVOC			NR		SELECT	<10 ug/l	SW EQS	no
		VOC			NR		SELECT	<10 ug/l	SW EQS	no
		Selenium			NR		SELECT		SW EQS	no
		Pesticides			NR		SELECT	0.375 ug/l	SW EQS	no
11/5/2017	MW 4 S	Alkalinity		annual	28		SELECT		SW EQS	no 💦 👘
		Boron			<0.02		SELECT	2.0 MG/L	SW EQS	no
		Cadnium			0.1		SELECT	0.005 mg/l	SW EQS	no
		Chromium			6.3		SELECT	0.03 mg/l	SW EQS	no
		calcium			1.5		SELECT	-	SW EQS	no
		copper			<0.003		SELECT	0.03 mg/l	SW EQS	no
		соррсі			10		SELECT	0.01 mg/l	SW EQS	no
		cyanide			<10					
					<10 <20		SELECT	1.0 mg/l	SW EQS	no
		cyanide					SELECT SELECT	1.0 mg/l 0.01 mg/l	SW EQS SW EQS	no no
		cyanide Iron			<20					
		cyanide Iron Lead			<20 <0.3		SELECT	0.01 mg/l	SW EQS	no
		cyanide Iron Lead Mercury			<20 <0.3 <0.02		SELECT SELECT	0.01 mg/l 0.001 mg/l	SW EQS SW EQS	no no
		cyanide Iron Lead Mercury Manganese			<20 <0.3 <0.02 9.8		SELECT SELECT SELECT	0.01 mg/l 0.001 mg/l	SW EQS SW EQS SW EQS	no no no
		cyanide Iron Lead Mercury Manganese magnesium Nickle			<20 <0.3 <0.02 9.8 1.5		SELECT SELECT SELECT SELECT	0.01 mg/l 0.001 mg/l 0.3 mg/l -	SW EQS SW EQS SW EQS SW EQS	no no no no no no
		cyanide Iron Lead Mercury Manganese magnesium Nickle potassium			<20 <0.3 <0.02 9.8 1.5 6.7		SELECT SELECT SELECT SELECT SELECT SELECT	0.01 mg/l 0.001 mg/l 0.3 mg/l - 0.05 mg/l	SW EQS SW EQS SW EQS SW EQS SW EQS	no no no no
		cyanide Iron Lead Mercury Manganese magnesium Nickle potassium sodium			<20 <0.3 <0.02 9.8 1.5 6.7 0.9		SELECT SELECT SELECT SELECT SELECT SELECT SELECT	0.01 mg/l 0.001 mg/l 0.3 mg/l - 0.05 mg/l 5 mg/l -	SW EQS SW EQS SW EQS SW EQS SW EQS SW EQS	no no no no no no no no
		cyanide Iron Lead Mercury Manganese magnesium Nickle potassium			<20 <0.3 <0.02 9.8 1.5 6.7 0.9		SELECT SELECT SELECT SELECT SELECT SELECT	0.01 mg/l 0.001 mg/l 0.3 mg/l - 0.05 mg/l	SW EQS SW EQS SW EQS SW EQS SW EQS SW EQS SW EQS	no no no no no no

roundwater/Soil monitor	ring template		Lic No:	0		Year	20	17
	Total.Coilforms		0		SELECT	-	SW EQS	no
	Faecal.Coliforms		0		SELECT	-	SW EQS	no
	SVOC		<1.0		SELECT	<10 ug/l	SW EQS	no
	VOC		<1.0		SELECT	<10 ug/l	SW EQS	no
	Selenium		<0.2		SELECT		SW EQS	no
	Pesticides		NR		SELECT	0.375 ug/l	SW EQS	no
11/5/2017 MW4 D	Alkalinity	annual	20		SELECT		SW EQS	no 💦
	Boron		<0.02		SELECT		SW EQS	no
	Cadnium		<0.1		SELECT	0.005 mg/l	SW EQS	no
	Chromium		<3.0		SELECT	0.03 mg/l	SW EQS	no
	calcium		9.4		SELECT		SW EQS	no
	copper		< 0.003		SELECT	e.ee	SW EQS	no
	cyanide		<10		SELECT	0/	SW EQS	no
	Iron		<20		SELECT	- 0/	SW EQS	no
	Lead		<0.3		SELECT		SW EQS	no
	Mercury		<0.02		SELECT	0.001 mg/l		no
	Manganese		1.5		SELECT	0/	SW EQS	no
	magnesium		1.6		SELECT		SW EQS	no
	Nickle		<0.5		SELECT		SW EQS	no
	potassium		0.6		SELECT	5 mg/l	SW EQS	no
	sodium		6.8		SELECT	-	SW EQS	no
	Sulphates		3.1		SELECT		SW EQS	no
	TDS		70		SELECT	-	SW EQS	no
	TON		0.25		SELECT		SW EQS	no
	Total.Coilforms		0		SELECT	-	SW EQS	no
	Faecal.Coliforms		0		SELECT		SW EQS	no
	SVOC		<1.0		SELECT	== +.8/ -	SW EQS	no
	VOC		<1.0		SELECT	0,	SW EQS	no
	Selenium		0.7		SELECT		SW EQS	no
	Pesticides		NR		SELECT	0.375 ug/l	SW EQS	no

.+ where average indicates arithmetic mean

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

# Table 2: Downgradient Groundwater monitoring results

Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration	Average Concentration	unit	GTV's*		Upward trend in yearly average pollutant concentration over last 5 years of monitoring data
11/5/2017	MW11 S	Alkalinity		annual	53		mg/l		SW EQS	no
		Boron			<0.02				SW EQS	no
		Cadnium			<0.1		ug/l	0.005 mg/l	SW EQS	no
		Chromium			<3.0		ug/l	0.03 mg/l	SW EQS	no
		calcium			9.3		mg/l	-	SW EQS	no
		copper			<0.003		ug/l	0.03 mg/l	SW EQS	no
		cyanide			<10		ug/l	0.01 mg/l	SW EQS	no
		Iron			100		ug/l	1.0 mg/l	SW EQS	no
		Lead			<0.3			0	SW EQS	no
		Mercury			<0.02		ug/l	0.001 mg/l	SW EQS	no

roundwater/Soil moni	toring template			Lic No:	0		Year		2017
	Manganese			250		mg/l	0.3 mg/l	SW EQS	no
	magnesium			4.8		mg/l	-	SW EQS	no
	Nickle			3.5		ug/l	0.05 mg/l	SW EQS	no
	potassium			1.2		mg/l	5 mg/l	SW EQS	no
	sodium			8.7		mg/l	-	SW EQS	no
	Sulphates			4.3		mg/l	200 mg/l	SW EQS	no
	TDS			85		mg/l	-	SW EQS	no
	TON			<0.15		mg/l		SW EQS	no
	Total.Coilforms			0		SELECT		SW EQS	no
	Faecal.Coliforms			0		SELECT	_	SW EQS	no
	SVOC			NR		ug/l	<10 ug/l	SW EQS	no
	VOC			NR		ug/l	<10 ug/l	SW EQS	no
	Selenium			NR		ug/l	<10 ug/1	SW EQS	no
	Pesticides			NR		ug/l	0.375 ug/l		no
11/5/2017 MW1			annual	22			0.373 ug/1	SW EQS	no
11/5/2017 MW1	Boron		annual	<0.02		mg/l	2.0 MG/L	SW EQS	no
				<0.02 <0.1		mg/l		SW EQS	
	Cadnium					ug/l	0.005 mg/l		no
	Chromium			<3.0		ug/l	0.03 mg/l	SW EQS SW EQS	no
	calcium			4.1		mg/l	-		no
	copper			<0.003		ug/l	0.03 mg/l	SW EQS	no
	cyanide			<10		ug/l	0.01 mg/l	SW EQS	no
	Iron			1100		ug/l	1.0 mg/l	SW EQS	no
	Lead			<0.3		ug/l	0.01 mg/l	SW EQS	no
	Mercury			<0.02		ug/l	0.001 mg/l		no
	Manganese			64		mg/l	0.3 mg/l	SW EQS	no
	magnesium			2.2		mg/l	-	SW EQS	no
	Nickle			2.3		ug/l	0.05 mg/l	SW EQS	no
	potassium			0.9		mg/l	5 mg/l	SW EQS	no
	sodium			9.5		mg/l	-	SW EQS	no
	Sulphates			3.6		mg/l	200 mg/l	SW EQS	no
	TDS			68		mg/l	-	SW EQS	no
	TON			<0.15		mg/l		SW EQS	no
	Total.Coilforms			328		SELECT	-	SW EQS	no
	Faecal.Coliforms			0		SELECT	-	SW EQS	no
	SVOC			NR		ug/l	<10 ug/l	SW EQS	no
	VOC			NR		ug/l	<10 ug/l	SW EQS	no
	Selenium			NR		ug/l		SW EQS	no
	Pesticides			NR		ug/l	0.375 ug/l	SW EQS	no
11/5/2017 MW1	.2 s Alkalinity		Annual	dry		mg/l		SW EQS	no 🛛
	Boron			dry		mg/l	2.0 MG/L	SW EQS	no
	Cadnium			dry		ug/l	0.005 mg/l		no
	Chromium			dry		ug/l	0.03 mg/l	SW EQS	no
	calcium			dry		mg/l	-	SW EQS	no
	copper			dry		ug/l	0.03 mg/l	SW EQS	no
	cyanide			dry		ug/l	0.01 mg/l	SW EQS	no
	Iron			dry		ug/l	1.0 mg/l	SW EQS	no
	Lead			dry		ug/l	0.01 mg/l	SW EQS	no
	Mercury	İ İ		dry		ug/l	0.001 mg/l	SW EQS	no
						-	0.3 mg/l	SW EQS	no
	Manganese			dry		mg/i	0.5 mg/i	OW LGO	110
	Manganese magnesium			dry dry		mg/l mg/l	-	SW EQS	no

	nonitorir	ng template			Lic No:	0		Year	Year 2017				
		potassium			dry		mg/l	5 mg/l	SW EQS	no			
		sodium			dry		mg/l	-	SW EQS	no			
		Sulphates			dry		mg/l	200 mg/l	SW EQS	no			
		TDS			dry		mg/l	-	SW EQS	no			
		TON			dry		mg/l		SW EQS	no			
		Total.Coilforms			dry		SELECT	-	SW EQS	no			
		Faecal.Coliforms			dry		SELECT	-	SW EQS	no			
		SVOC			dry		ug/l	<10 ug/l	SW EQS	no			
		VOC			dry		ug/l	<10 ug/l	SW EQS	no			
		Selenium			dry		ug/l		SW EQS	no			
		Pesticides			dry		ug/l	0.375 ug/l	SW EQS	no			
11/5/2017		Alkalinity		annual	11		mg/l	01070 06/1	SW EQS	no			
11/3/201/		Boron		unnuu	<0.02		mg/l	2.0 MG/L	SW EQS	no			
		Cadnium			<0.1		ug/l	0.005 mg/l	SW EQS	no			
		Chromium			<3.0		ug/l	0.003 mg/l	SW EQS	no			
		calcium			1.3		mg/l	0.03 mg/1	SW EQS	no			
		copper			<0.003		ug/l	- 0.03 mg/l	SW EQS	no			
					<10		-	0.03 mg/l	SW EQS	no			
	I	cyanide			<20		ug/l		SW EQS	no			
	I	Iron					ug/l	1.0 mg/l					
	I	Lead			<0.3		ug/l	0.01 mg/l	SW EQS	no			
		Mercury			1		ug/l	0.001 mg/l	SW EQS	no			
	l	Manganese			36		mg/l	0.3 mg/l	SW EQS	no			
		magnesium			1.4		mg/l	-	SW EQS	no			
	]	Nickle			2.9		ug/l	0.05 mg/l	SW EQS	no			
	I	potassium			1		mg/l	5 mg/l	SW EQS	no			
		sodium			9.3		mg/l	-	SW EQS	no			
		Sulphates			2		mg/l	200 mg/l	SW EQS	no			
		TDS			51		mg/l	-	SW EQS	no			
		TON			0.21		mg/l		SW EQS	no			
		Total.Coilforms			0		SELECT	-	SW EQS	no			
		Faecal.Coliforms			0		SELECT	-	SW EQS	no			
		SVOC			NR		ug/l	<10 ug/l	SW EQS	no			
		VOC			NR		ug/l	<10 ug/l	SW EQS	no			
		Selenium			NR		ug/l		SW EQS	no			
		Pesticides			NR		ug/l	0.375 ug/l	SW EQS	no			
11/5/2017		dry	dry	dry	dry	dry	dry	dry	dry	dry			
11/5/2017	MW13 D	dry	dry	dry	dry	dry	dry	dry	dry	dry			
11/5/2017	MW14 s	dry	dry	dry	dry	dry	dry	dry	dry	dry			
11/5/2017	MW14 D	Alkalinity		annual	11		mg/l		SW EQS	no			
		Boron			<0.02		mg/l	2.0 MG/L	SW EQS	no			
		Cadnium			<0.1		ug/l	0.005 mg/l	SW EQS	no			
	, <u> </u>	Chromium			<3.0		ug/l	0.03 mg/l	SW EQS	no			
	İ	calcium			<1.0		mg/l	-	SW EQS	no			
	İ	copper			<0.003		ug/l	0.03 mg/l	SW EQS	no			
	ł	cyanide			<10		ug/l	0.01 mg/l	SW EQS	no			
		Iron			<20		ug/l	1.0 mg/l	SW EQS	no			
		Lead			<0.3		ug/l	0.01 mg/l	SW EQS	no			
			1				ug/l	0.001 mg/l	SW EQS	no			
	<u> </u>	Mercury			<0.02		ug/i						
		Mercury Manganese			<0.02 19				SW EQS				
		Mercury Manganese magnesium					mg/l	0.3 mg/l		no			

roundwater/Soil monit	toring template			Lic No:	0		Year	2017	
	potassium			0.4		mg/l	5 mg/l	SW EQS	no
	sodium			7.6		mg/l	-	SW EQS	no
	Sulphates			3.4		mg/l	200 mg/l	SW EQS	no
	TDS			44		mg/l	-	SW EQS	no
	TON			<0.15		mg/l		SW EQS	no
	Total.Coilforms			2		SELECT	-	SW EQS	no
	Faecal.Coliforms	1 1		0		SELECT	-	SW EQS	no
	SVOC			NR		ug/l	<10 ug/l	SW EQS	no
	VOC			NR		ug/l	<10 ug/l	SW EQS	no
	Selenium			NR		ug/l	10 46/1	SW EQS	no
	Pesticides			NR		ug/l	0.375 ug/l	SW EQS	no
11/5/2017 MW1		2	annual	29		mg/l	0.575 06/1	SW EQS	no
11, 5, 2017	Boron			<0.02		mg/l	2.0 MG/L	SW EQS	no
	Cadnium			<0.1		ug/l	0.005 mg/l		no
	Chromium			<3.0		ug/l	0.003 mg/l	SW EQS	no
	calcium	+ +		2.6		mg/l	-	SW EQS	no
	copper	+ +		<0.003		ug/l	- 0.03 mg/l	SW EQS	no
	cyanide	+ +		<10		ug/l	0.03 mg/l	SW EQS	no
	Iron	+ +		300		ug/l	1.0 mg/l	SW EQS	no
	Lead	+ +		3.1		ug/l	0.01 mg/l	SW EQS	no
	Mercury			<0.02		ug/l	0.001 mg/l	SW EQS	no
	Manganese			270		mg/l	0.3 mg/l	SW EQS	no
	magnesium	+ +		3.1		mg/l	0.5 mg/1	SW EQS	no
	Nickle			3.9		ug/l	- 0.05 mg/l	SW EQS	no
	potassium			0.7		mg/l	5 mg/l	SW EQS	no
	sodium			6.8		mg/l	5 mg/i	SW EQS	no
	Sulphates			2.3		mg/l	- 200 mg/l	SW EQS	no
	TDS			56		mg/l	200 mg/1	SW EQS	no
	TON			<0.15		mg/l		SW EQS	no
	Total.Coilforms			2		SELECT	-	SW EQS	no
	Faecal.Coliforms			0		SELECT	-	SW EQS	no
	SVOC			<1.0		ug/l	- <10 ug/l	SW EQS	no
	VOC			<1.0		ug/l	<10 ug/l	SW EQS	no
	Selenium	+ +		0.6		ug/l	10 ug/1	SW EQS	no
	Pesticides	+ +		0.0		ug/l	0.375 ug/l	SW EQS	no
11/5/2017 MW1			annual	29		mg/l	0.070 ug/1	SW EQS	no
11/3/2017 10/001	Boron			<0.02		mg/l	2.0 MG/L	SW EQS	no
	Cadnium	+ +		<0.1		ug/l	0.005 mg/l	SW EQS	no
	Chromium	+ +		<3.0		ug/l	0.003 mg/l	SW EQS	no
	calcium	+ +		3		mg/l		SW EQS	no
	copper			<0.003		ug/l	- 0.03 mg/l	SW EQS	no
	cyanide	+ +		<10		ug/l	0.03 mg/l	SW EQS	no
	Iron	+ +		630		ug/l	1.0 mg/l	SW EQS	no
	Lead	+ +		<0.3		ug/l	0.01 mg/l	SW EQS	no
	Mercury	+ +		<0.02		ug/l	0.01 mg/l	SW EQS	no
	Manganese	+ +		32		mg/l	0.3 mg/l	SW EQS	no
<del> </del>	Indigaliese	+ +		3		mg/l	0.3 mg/1	SW EQS	no
	magnesium			5		111g/1	-		
	magnesium	<u> </u>		80		ug/I	0.05 mg/	SW FOS	no
	Nickle			8.9 1 3		ug/l	0.05 mg/l	SW EQS	no
				8.9 1.3 7.1		ug/l mg/l mg/l	0.05 mg/l 5 mg/l	SW EQS SW EQS SW EQS	no no no

roundwater/Soil monitori	ng template	Lic No:	0	Year	20	17
	TDS	71	mg/l	_	SW EQS	no
	TON	<0.15	mg/l		SW EQS	no
	Total.Coilforms	0	SELECT	_	SW EQS	no
	Faecal.Coliforms	0	SELECT	_	SW EQS	no
	SVOC	<1.0	ug/l	<10 ug/l	SW EQS	no
	VOC	<1.0	ug/l	<10 ug/l	SW EQS	no
	Selenium	0.6	ug/l	<10 ug/1	SW EQS	no
	Pesticides	0.0	ug/l	0.375 ug/l	SW EQS	no
11/5/2017 MW16 S		67	mg/l	0.375 dg/1	SW EQS	no
11,5,2017 1100	Boron	<0.02	mg/l	2.0 MG/L	SW EQS	no
	Cadnium	<0.1	ug/l		SW EQS	no
	Chromium	<3.0	ug/l	0.03 mg/l	SW EQS	no
	calcium	2.5	mg/l	0.03 mg/1	SW EQS	no
	copper	<0.003	ug/l	0.03 mg/l	SW EQS	no
	cyanide	<10	ug/l	0.03 mg/l	SW EQS	no
	Iron	5100	ug/l	1.0 mg/l	SW EQS	no
	Lead	<0.3	ug/l		SW EQS	no
	Mercury	<0.02	ug/l	0.001 mg/l	SW EQS	no
	Manganese	140	mg/l	0.001 mg/l	SW EQS	no
	magnesium	1.6	mg/l	0.5 118/1	SW EQS	no
	Nickle	1.4	ug/l	 0.05 mg/l	SW EQS	no
	potassium	0.6	mg/l	5 mg/l	SW EQS	no
	sodium	5.1	mg/l	5 mg/1	SW EQS	no
	Sulphates	2.4	mg/l		SW EQS	no
		2.7	1118/1	200 mg/1		
	TDS	29	mg/l	-	SW EQS	no
	TON	0.17	mg/l		SW EQS	no
	Total.Coilforms	0	SELECT	-	SW EQS	no
	Faecal.Coliforms	0	SELECT	-	SW EQS	no
	SVOC	<1.0	ug/l	<10 ug/l	SW EQS	no
	VOC	<1.0	ug/l	<10 ug/l	SW EQS	no
	Selenium	0.4	ug/l		SW EQS	no
	Pesticides		ug/l	0.375 ug/l	SW EQS	no
11/5/2017 MW16 D	Alkalinity	135	mg/l		SW EQS	no
	Boron	<0.02	mg/l	2.0 MG/L	SW EQS	no
	Cadnium	<0.1	ug/l	0.005 mg/l	SW EQS	no
	Chromium	<3.0	ug/l	0.03 mg/l	SW EQS	no
	calcium	1.9	mg/l	-	SW EQS	no
	copper	<0.003	ug/l	0.03 mg/l	SW EQS	no
	cyanide	<10	ug/l	0.01 mg/l	SW EQS	no
	Iron	5400	ug/l	1.0 mg/l	SW EQS	no
	Lead	<0.3	ug/l	0.01 mg/l	SW EQS	no
	Mercury	<0.02	ug/l		SW EQS	no
	Manganese	190	mg/l	0.3 mg/l	SW EQS	no
	magnesium	1.3	mg/l	-	SW EQS	no
	Nickle	2.9	ug/l	0.05 mg/l	SW EQS	no
	potassium	0.7	mg/l	5 mg/l	SW EQS	no
	sodium	6	mg/l	-	SW EQS	no
	Sulphates	2.4	mg/l	200 mg/l	SW EQS	no
			<u> </u>			
	TDS	44	mg/l		SW EQS	no

onitoring template			1				
TON	<0.15		mg/l		SW EQS	no	
Total.Coilforms	0		SELECT	-	SW EQS	no	
Faecal.Coliforms	0		SELECT	-	SW EQS	no	
SVOC	<1.0		ug/l	<10 ug/l	SW EQS	no	
VOC	<1.0		ug/l	<10 ug/l	SW EQS	no	
Selenium	0.5		ug/l		SW EQS	no	
Pesticides			ug/l	0.375 ug/l	SW EQS	no	
of soil and groundwater standards/ g ble in the EPA published guidance (se	(GAC) and <u>Guidance on</u>	the Management of	Contaminated Land and G	oundwater a		<u>Sites (FPA 2013).</u> Drinking water	

Groundwater/Soil monitoring template					Lic No:	0		Year	2017
Table 3: Soil results									
Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration	Average Concentration	unit		
							SELECT		
							SELECT		

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

# **Environmental Liabilities template**

Click here to access EPA guidance on Environmental Liabilities and Financial

provision

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

Lic No:

0

Year

E	Environmental Management Programme/Continuous Improv	ovement Programme	template	Lic No:	0	Year	2017
	Highlighted cells contain dropdown menu click to view	w		Additional Information			
1	Do you maintain an Environmental Mangement System (EMS) for the site. I additional information		SELECT			_	
2	Does the EMS reference the most significant environmental aspects and asso	ociated impacts on-site	SELECT			_	
3	Does the EMS maintain an Environmental Management Programme (EI with the licence requirements Sus	spended until lar	ndfill operational				
4	Do you maintain an environmental documentation/communication sy environmental performance of the facility, as required						

Environmental Management Programme (EMP) report									
Objective Category	Target	Status (% completed)	How target was progressed	Responsibility	Intermediate outcomes				
SELECT		SELECT		SELECT	SELECT				
SELECT		SELECT		SELECT	SELECT				
SELECT		SELECT		SELECT	SELECT				

	Ν	loise monitor	ing sum	mary report			Lic No:	0	Year	2017	
	-	ce requirement fo		period?				SELECT	]		
"Checklist for Does your sit When was th Have there b	noise measurer e have a noise re e noise reductio een changes rele	n plan last update evant to site noise	uded in the ed?	guidance note as s (e.g. plant or op	table 6?		<u>Noise</u> <u>Guidance</u> <u>note NG4</u> the last noise	SELECT SELECT Enter date SELECT			
Table N1: No Date of monitoring	Time period	Noise location (on site)	Noise sensitiv location - (if applica	ve ·NSL	LA <sub>90</sub>	LA <sub>10</sub>	LA <sub>max</sub>	Tonal or Impulsive noise* (Y/N)	If tonal /impulsive noise was identified was 5dB penalty applied?	Comments (ex. main noise sources on site, & extraneous noise ex. road traffic)	Is <u>site</u> compliant with noise limits (day/evening/night)?
								SELECT	SELECT		SELECT
Noise moniotirng su operational			suspen	ded unit	l landfill						

\*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:

SEAI - Large

Industry Energy Network (LIEN) 0

SELECT

SELECT

Enter date of audit

2017

Additional information

Year

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

Is the site a member of any accredited programmes for reducing energy usage/water conservation such2as the SEAI programme linked to the right? If yes please list them in additional information

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

Table R1 Energy usag	e on site							
	Su	Suspended until landfill operational						
Energy Use	Previous year	Current year	year**	production*				
Total Energy Used (MWHrs)								
Total Energy Generated (MWHrs)								
Total Renewable Energy Generated (N	/WHrs)							
Electricity Consumption (MWHrs)								
Fossil Fuels Consumption:								
Heavy Fuel Oil (m3)								
Light Fuel Oil (m3)								
Natural gas (m3)								
Coal/Solid fuel (metric tonnes)								
Peat (metric tonnes)								
Renewable Biomass								
Renewable energy generated on site								

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

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

Table R2 Water usage on site					Water Emissions	Water Consumption		
						Volume used i.e not		
			Production +/- %	Energy		discharged to		
			compared to	Consumption +/- %	Volume Discharged	environment e.g.		
	Water extracted	Water extracted	previous reporting	vs overall site	back to	released as steam		
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								
Recycled water								
Total								

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

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

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

Resource	ource Usage/Energy efficiency summary				Lic No:	0		Year	2017
	Table R4: Energy Au								
	Date of audit	Origin of measures	Predicted energy savings %	Implementation date	Responsibility		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				

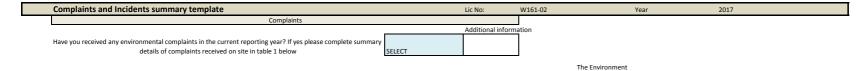


Table	1 Complaints summary						
Date	Category	Other type (please specify)	Brief description of complaint (Free txt <20 words)	Corrective action< 20 words	Resolution status	Resolution date	Further information
	SELECT				SELECT		
	SELECT				SELECT		
	SELECT	No	complaints.		SELECT		
	SELECT				SELECT		
	SELECT				SELECT		
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						

*For information on how to report and what	
constitutes an incident	What is an incident
	-
Table 2 Incidents summary	

Table 2 Incidents sun	Table 2 Incidents summary													
						Other	Activity in				Preventative			
			Incident category*please			cause(please	progress at			Corrective action<20	action <20		Resolution	Likelihood 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:	0	Year	2017
SECTION A-PRTR ON SITE WASTE TREATMENT AND WASTE TRANSFERS TAB- TO BE COMPLETE	ED BY ALL IPPC AND WASTE FACILITIES	PRTR facility logon	dropdown list	click to see options

<b>SECTION B- WASTE AG</b>	CCEPTED ONTO SITE-TO BE COMPLETED BY ALL IPPC AND WASTE FACILITIES		
Were any wastes <u>accepted o</u> 1 to be captured through PRTF If yes please enter details in		SELECT	Additional Information
, .	ed consignments of waste in the current reporting year? If yes please give a brief explanation in the additional information	SELECT	
3 Was wast	te accepted onto your site that was generated outside the Republic of Ireland? If yes please state the quantity in tonnes in additional information	SELECT	

### 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)

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

No waste accepted at Bottlehill landfill to

SECTION C-TO BE COMPLETED BY ALL W

terial 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				
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?	Total disposal area occupied by waste	Lined disposal area occupied by waste	Unlined area
									SELECT UNIT	SELECT UNIT	SELECT UNIT
Cell 8											

SELECT	
SELECT	

SELECT	
SELECT	
SELECT	

erological ng in sce with Directive (LD) Was Landfill Gas monitored in Compliance with LD Of the site WMA been	VASTE SUMMARY			Lic No:	0		Year
ng m g m g m g m g m g m g m g m g m g m	able 4 Environmental monitoring-landfill only	Landfill Manual-Monitoring Star	idards				
		Was Landfill Gas monitored in compliance with LD standard in	compliance with LD standard in reporting	Were emission limit values agreed with	Was topography of the site surveyed in	under S53(A)(5) of WMA been submitted in	Comments

SELECT

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

### Table 5 Capping-Landfill only

				Area with waste that		
Area uncapped*	Area with temporary cap			should be permanently		
OF FOR INTE	OPT DOT TOTAL	Area with final cap to LD		capped to date under		
SELECT UNIT	SELECT UNIT	Standard m2 ha, a	Area capped other	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

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

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

### Table 7 Landfill Gas-Landfill only

Gas Captured&Treated 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	

