AER Reporting Year	2016		
Licence Register Number	W0076-1		
Name of site		Longpavement Landfill	
Site Location	Longpa	vement, Monabraher, Limerick	
NACE Code		3821	
Class/Classes of Activity		D4, D7, R4,R9,R10	
National Grid Reference (6E, 6 N)		-8.63592, 52.68034	
A description of the activities/processes at the site for the reporting year. This should include information such as production increases or decreases on site, any infrastructural changes, environmental performance which was measured during the reporting year and an overview of compliance with your licence listing all			
exceedances of licence limits (where applicable) and what they relate to e.g. air, water, noise.			

# **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.

Ursula Ahern 07/04/2017

Signature Date

Group/Facility manager

(or nominated, suitably qualified and experienced deputy)

45			

	AIR-summary template	Lic No: W00/b-1 Year 2016
	Answer all questions and complete all tables where relevant	Additional information
1	Does your site have licensed air emissions? If yes please complete table A1 and A2 below for the current reporting year and answer further questions. If you do not have licenced emissions and do not complete a solvent management plan (table A4 and A5) you do not need to complete the tables	No
	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	SELECT
3	Was all monitoring carried out in accordance with EPA guidance note AG2 and using the basic air monitoring checklist?  Basic air monitoring monitoring checklist?	SELECT
	The state of the s	

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

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

P	IR-summary template	Lic No:	W0076-1		Year	2016	
les s	Continuous Monitoring						
4	Does your site carry out continuous air emissions monitoring?	SELECT					
	soes Aont 21te cattà ont continuonz an emizzionz monitoriale.	SELEC1					
ľ	f yes please review your continuous monitoring data and report the required fields below in Table A2 and compa to its relevant Emission Limit Value (ELV)	re it					
5 D	id continuous monitoring equipment experience downtime? If yes please record downtime in table A2 below	SELECT					
6 D	o you have a proactive service agreement for each piece of continuous monitoring equipment?	SELECT					
7	Did your site experience any abatement system bypasses? If yes please detail them in table A3 below	SELECT					
T	able A2: Summary of average emissions -continuous monitoring						
	mission Parameter/ Substance Averaging Period Compliance Criteria	Units of	Annual Emission	Annual maximum	Monitoring	Number of ELV C	Comments

Emission	Parameter/ Substance		Averaging Period	Compliance Criteria	Units of	Annual Emission	Annual maximum	Monitoring	Number of ELV	Comments
reference no:					measurement			Equipment	exceedences in	
								downtime (hours)	current	
		ELV in licence or any							reporting year	
		revision therof								
	SELECT			SELECT	SELECT					
	SELECT				SELECT		1			
	SELECT				SELECT	1				
	SELECT				SELECT				[	I
	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
-					

<sup>\*</sup> this should include all dates that an abatement system bypass occurred

<sup>••</sup> 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:	W0076-1		Year
Solven	t use and manageme	ent on site	FALLS)					
Do you have a tota	al Emission Limit Value of c	direct and fugitive emi	ssions on site? if ye	es please fill out tables A4 and A5	i		SELECT	
	ent Management Pla ission limit value	an Summary	Solvent regulations	Please refer to linked solve complete table 5				
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						
	(I) Inputs (kg)	i		(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 other ways e.g. b	in Solvents destroyed y- onsite through	Total emission of Solvent to air (kg)
					-	-		
	<u> </u>				1	L	Total	

AER Monito	ring returns su	mmary template-W	ATER/WASTEW	VATER(SEWER	)	Lic No:	#REF!		Year	WREFI					
please com further questi V Was it a requi	plete table W2 ar ons. If you do not W1 and or W2 for irement of your lic watercourses on	missions direct to surfa d W3 below for the cu- have licenced emission storm water analysis a sence to carry out visua or near your site? If ye ence of contamination r	irrent reporting years ns you <u>only</u> need to and visual inspection al inspections on ar s please complete	ar and answer o complete table ons ny surface water table W2 below	Yes		Additional information								
Table	W1 Storm wat	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	Comments					
	SELECT	SELECT	SELECT			SELECT		SELECT	SELECT						
	SELECT	SELECT	SELECT			SELECT		SELECT	SELECT		_				
Location Reference	Date of inspection		Description of con	tamination		Source of contamination SELECT	Corrective as	ction	Comn	nents					
Was all mon guidance and o Data Reporte 4 require im	result in breach of com itoring carried out i thecklists for Quality d to the EPA? If no j provement in additi	er and /or wastew: licence requirements? If ment section of Table W n accordance with EPA y of Aqueous Monitoring please detail what areas onal information box	yes please provide b 3 below External /Internal Lab Quality checklist	Assessment of results checklist	Yes		Additional information								
Table W3: Li	icensed Emissio	ons to water and /o	or wastewater (	sewer)-period	ic monitoring (	non-continuous)									E(Elm)
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	Unit of measurement	Compliant with	Method of analysis	Procedural reference source	Procedural reference standard number	Annual mass load (kg)	Comments
SW1 - Quarter 1 22/03/16	Water	Odose	ducrete	Quarterly	N/A	*1	All values < ELV	No Odour	E3	N/A	Vanual Assessment	APHA / AWWA "Standard Methods"	APHA - 2150 - H		N/A
SW1 - Quarter I 22/03/16	Water	Vanual Inspection	ducrete	Quarterly	N/A	· ·	All values < ELV	Dark Brown/Eurhol	51	N/A	Visual Assessment	APBA / AWWA "Standard Methods"	APBA - 2110		N/A

Emission reference no:	Emission released to	Parameter/ SubstanceNote 1	Type of sample	Frequency of monitoring	Averaging period	ELV or trigger values in licence or any revision therof <sup>Note 2</sup>	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with	Method of analysis	Procedural reference source	Procedural reference standard number	Annual mass load (kg)	Comments
SW1 - Quarter 1 22/03/16	Water	Odose	ducrete	Quarterly	N/A	¥I	All values < ELV	No Odour	E	N/A	Vancal Assessment	APHA / AWWA "Standard Methods"	APHA - 2150 - H		N/A
SW1 - Quarter I 22/03/16	Water	Vasual Inspection	decrete	Quarterly	N/A	·	All values < ELV	Dark Brown/Eurbal	- 2	N/A	Vastal Assessment	APHA / AWWA "Standard Methods"	APBA - 2110		N/A
SW1 - Quarter 1 22/03/16	Water	Ammonical Nitrogen (as NH-N)	dastric	Quarterly	NIA	0 14	All values < ELV	0.7%	mg4	no (al No phenne enter details on comments box	) DISCRETE METHODS	APHA / AWWA "Standard Methods"	APHA -4500 -NH,-D		Ammonsacal Nárogen (a NH3-N) is above the limi of 0.14 mg/L in S.1. Na. 272 of 2009 (European Communitation Environmental Objectives (Surface Water) Regulatorius 2009.
SW1 Quarter 1 22/03/16	Water	Ammoniacal Natuges (as N1(pN)	dacrrie	Quarterly	NIA	2.6	All values < F3.V	be	mg/L	no (al no pleuse enter details in comments but	Danishvell Oxygen Meter 1 (Electrode)	APHA / AWWA "Standard Methods"	APHA - 5210 - B		HOD is above the limit of 2.6 mg/L is S.L. No. 272 of 2019 (European Communica Environmental Objective (Surface Water) Regulations 2009
SW1 - Quarter I	Water	600	ducyrle	Quarterly	N/A	70	All values < ELV	3035	mgf.	N/A	Spectrophotometry (Colormetry)	APHA / AWWA "Standard Methods"	APBA = 5220 = D		N/A

SW1 - Quarter I	Water	mmary template-W	dacrete	Quarterly	N/A	1 .	All values < ELV		mg/l.	N/A	DISCRETE METHODS	APBA / AWWA	APHA - 4110 - D	l l	N/A
22/03/16 5W1 Quarter 8 22/03/16	Waler Waler	Chloride	ducrete	Quarterly	NIA	80% < 95% de < 120%	All values < ELV	32	15.	no (al 710 pleuse enter details in comments box)	Dimilyrd Oxygen Meter (Electrode)	"Standard Methods"  APHA / AWWA "Standard Methods"	APBA - 4500 - O - G	9:	Danobed Oxyoutside the limit of 5%de < 120% m 272 of 2009 (Community Community Communi
SWI - Duarter I		Danolved Oxygen					AT . A	5	µSAm (25 °C)	NIA	Conductivity Meter	APHA / AWWA	APHA = 2510 = B		N/A
22/03/16 SWI - Quarter I	Water	Electrical Constrictivity	dacrete	Quarterly	N/A		All values < ELV	622	µSACH [25 °C]	yes	(Electrode)	"Standard Methods" APHA / AWWA			N/A
22/03/16 SWL - Quarter I	Water	pří	ducrete	Quarterly	N/A	5 0 < p≥1 < 9 0	All values < ELV	7 39		N/A	Gravenetric analysis	"Standard Methods" APHA / AWWA	APHA = 4500 = H <sup>2</sup> APHA = 2540 = D		N/A
22/03/16	Water	Total Suspended Soluls	decrete	Quarterly	NIA	350		198	mg/l.		,	"Standard Methods" APHA / AWWA			
SW1 - Quarter 1 22/03/16	Water	Temperature	ducrete	Quarterly	N/A	•	All values < FLV	81	7"	N/A	Thermometer	"Standard Methods"	APHA = 2550 = B		N/A
SW2 - Quarter 1 22/93/16	Water	Odour	ducréte	Quarterly	N/A		All values < ELV	No Odour		N/A	Vanual Assessment	"Standard Methods"	APHA = 2150 = B		N/A
SW2 Quarter I 22/03/16	Water	Vatal Inspectant	ducerte	Quarterly	N/A	-	All values < ELV	No Colour/Not narbid	29	N/A	Vaual Assessment	"Standard Methods"	APHA - 2110		N/A
SW2 - Quarter 1 22/03/16	Water		ducrete	Quarterly	N/A	0.14	All values < ELV	0.79	rag/L	no (if no picase enice details in comments bot)	DISCRETE METHODS	APHA / AWWA "Standard Methods"	APHA - 4500 - NH <sub>3</sub> - D		Ammoniacal N 8H3-N) is abor- ul 0.14 mg/l, i 272 of 2009 (i Commun Environmental (Surface V Regulations
SW2 - Quarter I.	Water	Ammoniacal Natrogen (as NH <sub>5</sub> :N)	ducrete	Quarterly	N/A	2.6	All values < ELV	2	mg/L	yes	Dasolved Oxygen Meter (Electrode)	APHA / AWWA	APHA - 5210 - H		N/A
22/03/16 SW2 - Quarter 1	Water	B.O D.	ducrete	Quarterly	N/A		All values < FLV		me/L	N/A	Spectrophotometry	APBA / AWWA	APHA = 5220 = D		N/A
22/03/16 SW2 - Quarter 1 22/03/16	Water	CO.D.	ducrete	Quarterly	N/A		All values < ELV	15	mg/l.	NIA	(Colormetry) DISCRETE METHODS	"Standard Methods"  APHA / AWWA "Standard Methods"	APHA = 4H0 = D		N/A
SW2 - Quarter 1 23/03/16	Water	Danolved Oxygen	docrete	Quarterly	NIA	80% < 95% de < 120%	All values < ELV	10	75	no (af no please etiler details in commenta box)	Dimolved Oxygen Meter (Electrode)	APBA / AWWA "Standard Methods"	APRA 4500 O G	91	outside the land 15% de < 12095 272 of 2009 (f Commun Environmental (Surface W Regulations
5W2 Quarter 1 22/03/16	Water	Electrical Conductivity	ducrete	Quarterly	N/A	2.	All values < ELV	324	µS&m (25 °C)	N/A	Conductivity Meter (Electrode)	APBA / AWWA "Standard Methods"	APIIA = 2510 = B		N/A
SW2 - Quarter 1 22/03/16	Water	15q	ducrete	Quarterly	N/A	6 0 < pH < 9 0	All values < ELV	7.80	·	yes	pH Meter (Electrode)	APHA / AWWA "Standard Methods"	APBA = 4500 = H*		N/A
SW2 Quarter 1 22/93/16	Water	Total Suspended Solids	dacrete	Quarterly	N/A	27	All values < ELV	<5	mg/l.	N/A	Gravemetric analysis	APBA / AWWA "Standard Methods"	APHA 2540 D		N/A
SW2 - Quarter 1 22/03/16	Water	Temperature	ducrete	Quarterly	NIA		All values < ELV	8-1	C.	N/A	Thermometer	APBA / AWWA "Standard Methods"	APHA - 2550 - B		N/A
5W3 - Quarter 1 22/03/16	Water	Odote	discrete	Quarterly	N/A		All values < ELV	No Odour	-	N/A	Visual Assessment	APBA / AWWA "Standard Methods"	APHA - 2150 - B		56/8
W3 Quarter 1	Water	Vasual Inspection	ducrete	Quarterly	N/A	- "	All values < ELV	Pale Yellow/Not parhel		N/A	Vanual Assessment	APBA / AWWA "Standard Methods"	APHA - 2110		NIA
22/03/16 SW1 - Quarter 1 22/03/16	Water	Ammoniacal Narigen (at NH <sub>F</sub> N)	distrete	Quarterly	N/A	0 14	All values < ELV	0.44	mg/L	no (al rso picase enter detaila in commenta bux)	DISCRETE METHODS	APHA / AWWA "Standard Methods"	APHA -4500-NB <sub>3</sub> - D		Ammonical No. 1813-N) in above of 0.14 mg/L in 272 of 2009 (I Communication Communication Control of Control of Regulations
SW3 - Quarter I 22/03/16	Water	нор	descrete	Quarterly	NIA	2.6	All values < F3 V		mg4.	no (al 150 plenare enter decials in comments box)	Dansilved Oxygen Meter (Electrode)	APHA / AWWA "Standard Methods"	APHA = 5210 = B		90D is above the 2 frage Lin S Lot 2009 (Europe Communication Communicat
W1 Quarter I	Water		dacrete	Quarterly	N/A		All values < ELV	27	mgf.	N/A	Spectrophotometry (Colormetry)	APHA / AWWA "Standard Methods"	APHA = 5220 = D		N/A
22/03/16 SW1 - Quarter I	Water	COD	dacrete	Quarterly	N/A	W	All values < ELV	17	mgt.	N/A	DISCRETE METHODS	APHA / AWWA "Standard Methods"	APHA -4110 - D		N/A
22/03/16 SW3 - Quarter 1	Water	Chlorade	dacrete	Quarterly	N/A	MP4 < 95% de < 120%	All values < EL V		18	Do (af no please enter details at comments hox)	Danolved Oxygen Meter (Electrode)	APIIA / AWWA "Standard Methods"	APHA -4500 O G	95	Danolved Ox outside the limit 5% life < 120% ( 272 of 2009 ( Communication) Environmental C
22/03/16													1		Regulations

Bund/Pipeline te	sting template				Lic No:	W0076-1		Year	201	.6				
Bund testing		dropdown men	u click to see options				Additional information							
Are you required by y	our licence to undertak	e integrity testing on bunds and o	containment structures ? If yes	please fill out table 81 belo ures which failed includin	w listing all new bunds									
listed in the table bel	low, please include all b	ounds outside the licenced testin	g period (mobile bunds and che	mstare included)	-	No								
2 Please provide integri	ity testing frequency pe	riod				SELECT								
Does the site maintai	in a register of bunds, u	nderground pipelines (including s	stormwater and foul), Tanks, su	mps and containers? (cont	alners refers to									
3 "Chemstore" type uni						SELECT								
4 How many bunds are		within the required test schedule	.2											
6 How many mobile but		within the required test senedate	:1											
7 Are the mobile bunds	included in the bund to					SELECT								
		tested within the required test so	chedule?					_						
9 How many sumps on														
	integrity failures in tabl	d within the test schedule?												
11 Do all sumps and char						SELECT								
		ded in a maintenance and testing	programme?			SELECT								
13 Is the Fire Water Rete	ention Pond included in	your integrity test programme?				SELECT								
Tal	ble B1: Summary detail:	s of bund /containment structure	integrity test	7		_								,
Bund/Containment									Integrity reports		Integrity test fallure		Scheduled date	Results of retest(if in current
structure ID	Type	Specify Other type	Product containment	Actual capacity	Capacity required*	Type of integrity test	Other test type	Test date	site?	Results of test	explanation <50 words	Corrective action taken	for retest	reporting year
	SELECT					SELECT			SELECT	SELECT		SELECT		
	SELECT					SELECT	Commentary		SELECT	SELECT		DEFECT		
* Capacity required should cor Has integrity testing b	mply with 25% or 110% containing seen carried out in acco	ent rule assetated in your licence rdance with licence requirement:	s and are all structures tested				Commentary							
15 in line with BS8007/El	PA Guidance?			bunding and storage guid	<del>elenes</del>	SELECT								
		itainment systems tested?				SELECT SELECT		_						
17 Are channels/transfe	r systems compliant in I	both integrity and available volun	ne?			SELECT								
Pipeline/undergr	ound structure testing													
Are you required by u	our licence to undertak	e integrity testing * an undergro	und structures e.g. ninelines or	summs etc 7 if yes please fi	Il out table 2 below listing									
1 all underground struc	tures and pipelines on s	site which failed the integrity te	st and all which have not been	tested withing the integrit	y test period as specified	SELECT								
2 Please provide integri	ity testing frequency pe	riod				SELECT								
*please note integrity	testing means water ti	ghtness testing for process and for	oul pipelines (as required under	your licence)										
Tabl	e B2: Summary details o	of pipeline/underground structure	es integrity test						,			**1		
			Does this structure have	Type of secondary containment		Integrity reports		Integrity test	n Corrective action	Scheduled date	Results of retestfil in current			
Structure ID	Type system	Material of construction:	Secondary containment?		Type integrity testing	maintained on site?	Results of test	<50 words	taken	for retest	reporting year)			
	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT				SELECT			

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

Groundwater/Soil monitoring template	Lic No:	W0076-1	Year	2016

		Comments	
1 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 include
<sup>3</sup> Do you extract groundwater for use on site? If yes please specify use in comment section	по		a groundwater/contaminated land monitoring results interpretaTion as an additional section in this AER
Do monitoring results show that groundwater generic assessment criteria such as 4 GTVs or IGVs are exceeded or is there an upward 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.	yes		
S Is the contamination related to operations at the facility (either current and/or historic)	yes	historic	No Groundwater exceedndances as per the licence . However There is exceedances to the GTV and IGVs a Groundwater report is being
6 Have actions been taken to address contamination issues?If yes please summarise remediation strategies proposed/undertaken for the site	yes		prepared and will be submitted thorugh ALDER.
7 Please specify the proposed time frame for the remediation strategy	no		
8 Is there a licence condition to carry out/update ELRA for the site?	no		
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		

Table 1: Upgradient Groundwater monitoring results

Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration++	Average Concentration+	unit	GTV's*	Upward trend in pollutant concentration over last 5 years of monitoring data
	1						SELECT		SELECT
							SELECT	_	SELECT

<sup>.+</sup> where average indicates arithmetic mean

Table 2: Downgradient Groundwater monitoring results

Table 2: Dov	vngradient G	roundwater monitoring	resuits							
Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration	Average Concentration	unit	GTV's*	SELECT**	Upward trend in yearly average pollutant concentration over last 4 years of monitoring data
22/03, 16/06, 29/09, 06/12	GW01 Shallow	Odour	Fieldwork	Quarterly	Slight Odour	No Odour	N/A	N/A	SW EQS	no
22/03, 16/06, 29/09, 06/12	GW01 Shallow	Visual Inspection	Fieldwork	Quarterly	Grey/Turbid	Grey/Turbid	N/A	N/A	SW EQS	no

<sup>.++</sup> maximum concentration indicates the maximum measured concentration from all monitoring results produced during the reporting year

Groundwate	er/Soil monit	toring template			Lic No:	W0076-1		Year		016
22/03, 16/06, 29/09, 06/12	GW01 Shallow	Total Ammoniacal Nitrogen (as N)	Colourimetry	Quarterly	3.8	3.3	mg/l	0.12	SW EQS	no
22/03, 16/06, 29/09, 06/12	GW01 Shallow	Chloride	Colourimetry	Quarterly	280	224	mg/l	30	SW EQS	no
22/03, 16/06, 29/09, 06/12	GW01 Shallow	Dissolved Oxygen	Electrochemistry	Quarterly	76	32	%	No abnormal change	SW EQS	data not available
22/03, 16/06,	GW01 Shallow	Conductivity (25 °C)	Electrochemistry	Quarterly	6593	3842	μS/cm	1000	SW EQS	yes
29/09, 06/12 22/03, 16/06,	GW01 Shallow	Hq	Electrochemistry	Quarterly	7.15	6.98	pH unit	6.5≤pH≤9.5	SW EQS	no
29/09, 06/12		<u> </u>		0	14.7	11.5	°C	25	SW EQS	no
22/03, 16/06, 29/09, 06/12	GW01 Shallow	Temperature	Thermometer	Quarterly		11.5		23		110
22/03, 16/06, 29/09, 06/12	GW01 Shallow	Total Organic Carbon	Colourimetry	Quarterly	11	7.6	mg/l	No abnormal change	SW EQS	no
22/03, 16/06, 29/09, 06/12	GW01 Deep	Odour	Fieldwork	Quarterly	Slight Odour	No Odour	N/A	N/A	SW EQS	no
22/03, 16/06, 29/09, 06/12	GW01 Deep	Visual Inspection	Fieldwork	Quarterly	Grey/Turbid	Grey/Turbid	N/A	N/A	SW EQS	no
22/03, 16/06, 29/09, 06/12	GW01 Deep	Total Ammoniacal Nitrogen (as N)	Colourimetry	Quarterly	36	34	mg/l	0.12	SW EQS	no
22/03, 16/06, 29/09, 06/12	GW01 Deep	Chloride	Colourimetry	Quarterly	173	168	mg/l	30	SW EQS	no
22/03, 16/06, 29/09, 06/12	GW01 Deep	Dissolved Oxygen	Electrochemistry	Quarterly	114	60	%	No abnormal change	SW EQS	data not available
22/03, 16/06, 29/09, 06/12	GW01 Deep	Conductivity (25 °C)	Electrochemistry	Quarterly	5740	2922	μS/cm	1000	SW EQS	yes
22/03, 16/06, 29/09, 06/12	GW01 Deep	рН	Electrochemistry	Quarterly	7.89	7.27	pH unit	6.5≤pH≤9.5	SW EQS	yes
22/03, 16/06, 29/09, 06/12	GW01 Deep	Temperature	Thermometer	Quarterly	12.9	11.8	°C	25	SW EQS	no
22/03, 16/06, 29/09, 06/12	GW01 Deep	Total Organic Carbon	Colourimetry	Quarterly	20	17	mg/l	No abnormal change	SW EQS	no
22/03, 16/06, 29/09, 06/12	GW02 Shallow	Odour	Fieldwork	Quarterly	No Odour	No Odour	N/A	N/A	SW EQS	no
22/03, 16/06, 29/09, 06/12	GW02 Shallow	Visual Inspection	Fieldwork	Quarterly	Grey-Brown/Turbid	Grey-Brown/Turbid	N/A	N/A	SW EQS	no
22/03, 16/06, 29/09, 06/12	GW02 Shallow	Total Ammoniacal Nitrogen (as	Colourimetry	Quarterly	0.21	0.16	mg/l	0.12	SW EQS	no
22/03, 16/06, 29/09, 06/12	GW02 Shallow	Chloride	Colourimetry	Quarterly	124	87	mg/l	30	SW EQS	no
22/03, 16/06, 29/09, 06/12	GW02 Shallow	Dissolved Oxygen	Electrochemistry	Quarterly			%	No abnormal change	SW EQS	data not available
22/03, 16/06,	GW02 Shallow	Conductivity (25 °C)	Electrochemistry	Quarterly	116	1263	μS/cm	1000	SW EQS	no
29/09, 06/12 22/03, 16/06,	GW02 Shallow	pH	Electrochemistry	Quarterly	7.61	7.44	pH unit	6.5≤pH≤9.5	SW EQS	no
29/09, 06/12 22/03, 16/06,	GW02 Shallow	Temperature	Thermometer	Quarterly	15.0	12.5	°C	25	SW EQS	no
29/09, 06/12 22/03, 16/06, 29/09, 06/12	GW02 Shallow	Total Organic Carbon	Colourimetry	Quarterly	9.2	4.8	mg/l	No abnormal change	SW EQS	no
22/03, 16/06,	GW02 Deep	Odour	Fieldwork	Quarterly	3.6	710	N/A	N/A	SW EQS	no

Groundwat	er/Soil monit	toring template			Lic No:	W0076-1		Year	2	2016	
22/03, 16/06, 29/09, 06/12	GW02 Deep	Visual Inspection	Fieldwork	Quarterly	Grey/Turbid	Grey/Turbid	N/A	N/A	SW EQS	no	
2/03, 16/06,	GW02 Deep	Total Ammoniacal Nitrogen (as	Colourimetry	Quarterly	19	15	mg/l	0.12	SW EQS	yes	
29/09, 06/12 22/03, 16/06,	GW02 Deep	N) Chloride	Colourimetry	Quarterly			mg/l	30	SW EQS	no	
29/09, 06/12 22/03, 16/06,	GW02 Deep	Dissolved Oxygen	Electrochemistry	Quarterly	194	143	%	No abnormal	SW EQS	data not availabl	
29/09, 06/12	GWOZ DEEP	Dissolved Oxygen	Licetochemistry	Quarterry				change		data not available	
22/03, 16/06,	GW02 Deep	Conductivity (25 °C)	Electrochemistry	Quarterly	92	40	μ5/cm	1000	SW EQS	no	
9/09, 06/12	GW02 Deep	pH	Electrochemistry	Quarterly	2444	1922	pH unit	6.5≤pH≤9.5	SW EQS	ves	
2/03, 16/06, 9/09, 06/12	GWUZ Deep	рп	· ·		7.30	7.12					
22/03, 16/06, 29/09, 06/12	GW02 Deep	Temperature	Thermometer	Quarterly	13.5	12.1	°C	.25	SW EQS	no	
22/03, 16/06,	GW02 Deep	Total Organic Carbon	Colourimetry	Quarterly			mg/l	No abnormal	SW EQS	no	
29/09, 06/12				.	20	17		change			
22/03, 16/06,	GW03 Shallow	Odour	Fieldwork	Quarterly	No Odour	No Odour	N/A	N/A	SW EQS	no	
29/09, 06/12 22/03, 16/06,	GW03 Shallow	Visual Inspection	Fieldwork	Quarterly	Straw Yellow/ Not		N/A	N/A	SW EQS	no	
29/09, 06/12 22/03, 16/06,	GW03 Shallow	Total Ammoniacal Nitrogen (as	Colourimetry	Quarterly	Turbid	Straw Yellow/ Not T	mg/l	0.12	SW EQS	no	
29/09, 06/12		N)			0.23	0.23					
22/03, 16/06, 29/09, 06/12	GW03 Shallow	Chloride	Colourimetry	Quarterly	8.0	8.0	mg/l	30	SW EQS	no	
22/03, 16/06,	GW03 Shallow	Dissolved Oxygen	Electrochemistry	Quarterly			%	No abnormal	SW EQS	data not availab	
29/09, 06/12					6	6		change		12 11 8 8	
22/03, 16/06, 29/09, 06/12	GW03 Shallow	Conductivity (25 °C)	Electrochemistry	Quarterly	449	449	μS/cm	1000	SW EQS	no	
22/03, 16/06,	GW03 Shallow	рН	Electrochemistry	Quarterly	7.55	7.55	pH unit	6.5≤pH≤9.5	SW EQS	yes	
29/09, 06/12 22/03, 16/06,	GW03 Shallow	Temperature	Thermometer	Quarterly	7.33	7.33	°C	25	SW EQS	no	
29/09, 06/12	GW03 Shallow	Total Organic Carbon	Colourimetry	Quarterly	8.5	8.5	mg/l	No abnormal	SW EQS	no	
22/03, 16/06, 29/09, 06/12	GW03 3Hallow	Total Organic Carbon	Colodilinetry	Quarterly			Br	change	31123	110	
22/03, 16/06,	GW03 Deep	Odour	Fieldwork	Quarterly	8	8	N/A	N/A	SW EQS	no	
29/09, 06/12					No Odour	No Odour	N/A	N/A	SW EQS	no	
22/03, 16/06, 29/09, 06/12	GW03 Deep	Visual Inspection	Fieldwork	Quarterly	Brown/Turbid	Brown/Turbid	N/A	112		no	
22/03, 16/06, 29/09, 06/12	GW03 Deep	Total Ammoniacal Nitrogen (as	Colourimetry	Quarterly		1.01	mg/l	0.12	SW EQS	no	
22/03, 16/06,	GW03 Deep	Chloride	Colourimetry	Quarterly	14	12	mg/l	30	SW EQS	no	
29/09, 06/12 22/03, 16/06,	GW03 Deep	Dissolved Oxygen	Electrochemistry	Quarterly	14	12	%	No abnormal	SW EQS	data not availab	
29/09, 06/12			,		88	36		change			
2/03, 16/06,	GW03 Deep	Conductivity (25 °C)	Electrochemistry	Quarterly			μS/cm	1000	SW EQS	no	
29/09, 06/12 22/03, 16/06,	GW03 Deep	pH	Electrochemistry	Quarterly	1139	894	pH unit	6.5≤pH≤9.5	SW EQS	yes	
29/09, 06/12					7.35	7.09	KT-LILLING	· · · · · · · · · · · · · · · · · · ·			
22/03, 16/06, 29/09, 06/12	GW03 Deep	Temperature	Thermometer	Quarterly	12.8	11.7	°C	25	SW EQS	yes	
22/03, 16/06,	GW03 Deep	Total Organic Carbon	Colourimetry	Quarterly			mg/l	No abnormal change	SW EQS	no	
29/09, 06/12					19	17					
22/03, 16/06,	GW04 Shallow	Odour	Fieldwork	Quarterly	No Odour	No Odour	N/A	N/A	SW EQS	no	

Groundwa	ter/son moni	toring template			Lic No:	W0076-1		Year	2	2016
22/03, 16/06, 29/09, 06/12	GW04 Shallow	Visual Inspection	Fieldwork	Quarterly	Light Grey/Turbid	Light Grey/Turbid	N/A	N/A	SW EQS	no
22/03, 16/06,	GW04 Shallow	Total Ammoniacal Nitrogen (as	Colourimetry	Quarterly			mg/l	0.12	SW EQS	no
29/09, 06/12		N)			<0.1	<0.1	119		<u> L</u>	
22/03, 16/06,	GW04 Shallow	Chloride	Colourimetry	Quarterly			mg/l	30	SW EQS	no
29/09, 06/12					32	32				
22/03, 16/06,	GW04 Shallow	Dissolved Oxygen	Electrochemistry	Quarterly			%	No abnormal	SW EQS	data not availa
29/09, 06/12	1					g		change	i	
22/03, 16/06,	GW04 Shallow	Conductivity (25 °C)	Electrochemistry	Quarterly		3	μS/cm	1000	SW EQS	no
29/09, 06/12			· ·	' '	810	810				110
22/03, 16/06,	GW04 Shallow	pH	Electrochemistry	Quarterly			pH unit	6.5≤pH≤9.5	SW EQS	no
29/09, 06/12		<u> </u>	[		7.39	7.39		0.5551.125.5	3.1. 2.23	110
22/03, 16/06,	GW04 Shallow	Temperature	Thermometer	Quarterly			°C	25	SW EQS	no
29/09, 06/12				Ĺ	7.9	7.9				
22/03, 16/06,	GW04 Shallow	Total Organic Carbon	Colourimetry	Quarterly			mg/l	No abnormal	SW EQS	no
29/09, 06/12								change		
					3	3				
22/03, 16/06,	GW04 Deep	Odour	Fieldwork	Quarterly			N/A	N/A	SW EQS	no
29/09, 06/12					No Odour	No Odour			1	
22/03, 16/06,	GW04 Deep	Visual Inspection	Fieldwork	Quarterly			N/A	N/A	SW EQS	no
29/09, 06/12					Brown/Turbid	Brown/Turbid				
22/03, 16/06,	GW04 Deep	Total Ammoniacal Nitrogen (as	Colourimetry	Quarterly			mg/l	0.12	SW EQS	no
29/09, 06/12	1	N)			3	1.7		1-2-1-3		
22/03, 16/06,	GW04 Deep	Chloride	Colourimetry	Quarterly			mg/l	30	SW EQS	ves
29/09, 06/12		<u> </u>			183	132	Efficient in the			
22/03, 16/06,	GW04 Deep	Dissolved Oxygen	Electrochemistry	Quarterly			%	No abnormal	SW EQS	data not availab
29/09, 06/12								change		
			<u> </u>		114	43				to the tenading
22/03, 16/06,	GW04 Deep	Conductivity (25 °C)	Electrochemistry	Quarterly			μS/cm	1000	SW EQS	yes
29/09, 06/12					2163	1371				
22/03, 16/06,	GW04 Deep	pH	Electrochemistry	Quarterly			pH unit	6.5≤pH≤9.5	SW EQS	yes
29/09, 06/12					7.10	6.76				
22/03, 16/06,	GW04 Deep	Temperature	Thermometer	Quarterly			°C	25	SW EQS	yes
29/09, 06/12					14.0	12.3				197 - 9 19
22/03, 16/06,	GW04 Deep	Total Organic Carbon	Colourimetry	Quarterly			mg/l	No abnormal	SW EQS	no
29/09, 06/12								change		
					19	16				
22/03, 16/06,	GW05 Shallow	Odour	Fieldwork	Quarterly	DRY	DRY	N/A	N/A	SW EQS	data not availab
29/09, 06/12						1			1	
22/03, 16/06,	GW05 Shallow	Visual Inspection	Fieldwork	Quarterly	DRY	DRY	N/A	N/A	SW EQS	data not availab
29/09, 06/12		1		1 '		'				July 1101 dealing
22/03, 16/06,	GW05 Shallow	Total Ammoniacal Nitrogen (as	Colourimetry	Quarterly	DRY	DRY	mg/l	0.12	SW EQS	deserves and the
29/09, 06/12	2 4403 SIIBIIOW	N)	Colournietry	Qual telly	DK1	ואמן	IIIg/1	0.12	244 ECT2	data not availab
	1	<u> </u>							<u> </u>	
22/03, 16/06,	GW05 Shallow	Chloride	Colourimetry	Quarterly	DRY	DRY	mg/l	30	SW EQS	data not availab
29/09, 06/12										
22/03, 16/06,	GW05 Shallow	Dissolved Oxygen	Electrochemistry	Quarterly	DRY	DRY	%	No abnormal	SW EOS	data not availab
29/09, 06/12			]					change		Gata Hot availab
		1						- Antigo	l	
22/03, 16/06,	GW05 Shallow	Conductivity (25 °C)	Electrochemistry	Quarterly	DRY	DRY	μS/cm	1000	SW EQS	data not availab
29/09, 06/12		1 '' '	]	1	1	1				Sara not availab
22/03, 16/06,	GW05 Shallow	pH	Electrochemist ::	Ounetaelu	IDDV	DRV	-11 15	C P 4-11 cp 5	514/505	
	O MOI PURE COM	pri	Electrochemistry	Quarterly	DRY	DRY	pH unit	6.5≤pH≤9.5	SW EQS	data not availab
29/09, 06/12	1							10		
22/03, 16/06,	GW05 Shallow	Temperature	Thermometer	Quarterly	DRY	DRY	°C	25	SW EQS	data not availabl
29/09, 06/12						1				

Groundwat	ter/Soil monit	toring template			Lic No:	W0076-1		Year	2	016
22/03, 16/06, 29/09, 06/12	GW05 Shallow	Total Organic Carbon	Colourimetry	Quarterly	DRY	DRY	mg/l	No abnormal change	SW EQS	data not availab
22/03, 16/06, 29/09, 06/12	GW05 Deep	Odour	Fieldwork	Quarterly	No Odour	No Odour	N/A	N/A	SW EQS	no
22/03, 16/06, 29/09, 06/12	GW05 Deep	Visual Inspection	Fieldwork	Quarterly	Brown/Turbid	Orange-Brown/ Turbid	N/A	N/A	SW EQS	no
22/03, 16/06, 29/09, 06/12	GW05 Deep	Total Ammoniacal Nitrogen (as	Colourimetry	Quarterly	1.24	0.78175	mg/l	0.12	SW EQS	no
22/03, 16/06, 29/09, 06/12	GW05 Deep	Chloride	Colourimetry	Quarterly	379.523	371.76575	mg/I	30	SW EQS	no
22/03, 16/06, 29/09, 06/12	GW05 Deep	Dissolved Oxygen	Electrochemistry	Quarterly	56	32.2	%	No abnormal change	SW EQS	data not availab
22/03, 16/06,	GW05 Deep	Conductivity (25 °C)	Electrochemistry	Quarterly	2554	2081.5	μS/cm	1000	SW EQS	yes
29/09, 06/12 22/03, 16/06,	GW05 Deep	pH	Electrochemistry	Quarterly	7.28	6.825	pH unit	6.5≤pH≤9.5	SW EQS	yes
29/09, 06/12 22/03, 16/06,	GW05 Deep	Temperature	Thermometer	Quarterly	13.4	12.4	°C	25	SW EQS	yes
29/09, 06/12 22/03, 16/06, 29/09, 06/12	GW05 Deep	Total Organic Carbon	Colourimetry	Quarterly	45	31	mg/I	No abnormal change	SW EQS	no
06/12/2016	GW01 Shallow	Boron	ICP	Annual	DRY	DRY	mg/l	0.75	SW EQS	no
06/12/2016	GW01 Shallow	Cadmium	ICP	Annual	DRY	DRY	mg/l	0.00375	SW EQS	no
6/12/2016	GW01 Shallow	Calcium	ICP	Annual	DRY	DRY	mg/l	200	SW EQS	no
06/12/2016	GW01 Shallow	Chromium	ICP	Annual	DRY	DRY	mg/l	0.0375	SW EQS	no
06/12/2016	GW01 Shallow		ICP	Annual	DRY	DRY	mg/l	1.5	SW EQS	no
06/12/2016	GW01 Shallow	Copper	ICP	Annual	DRY	DRY	mg/l	0,2	SW EQS	no
06/12/2016	GW01 Shallow	Iron	ICP	Annual	DRY	DRY	mg/l	0,01875	SW EQS	no
06/12/2016	GW01 Shallow	Lead Magnesium	ICP	Annual	DRY	DRY	mg/l	50	SW EQS	no
06/12/2016	GW01 Shallow	Manganese	ICP	Annual	DRY	DRY	mg/l	0.05	SW EQS	no
06/12/2016	GW01 Shallow	Nickel	ICP	Annual	DRY	DRY	mg/l	0.015	SW EQS	no
			ICP	Annual	DRY	DRY	mg/l	5	SW EQS	no
06/12/2016	GW01 Shallow	Potassium	ICP	Annual	DRY	DRY	mg/l	150	SW EQS	no
06/12/2016	GW01 Shallow	Sodium	ICP		DRY	DRY	mg/l	0,1	SW EQS	
06/12/2016	GW01 Shallow	Zinc		Annual		DRY		0,00075	SW EQS	no
06/12/2016	GW01 Shallow	Mercury	ICP	Annual	DRY	DRY	mg/l		SW EQS	no no
06/12/2016	GW01 Shallow	Fluoride	Ion Chromatography					1.0	SW EQS	The parties
06/12/2016	GW01 Shallow	Sulphate (as SO <sub>4</sub> )	Colourimetry	Annual	DRY	DRY	mg/l	187.5		no
06/12/2016	GW01 Shallow	Orthophosphate (as P)	Colourimetry	Annual	DRY	DRY	mg/l	0.035	SW EQS	no
06/12/2016	GW01 Shallow	Nitrate (as NO <sub>3</sub> )	Ion Chromatography	Annual	DRY	DRY	mg/l	37.5	SW EQS	no
06/12/2016	GW01 Shallow	Nitrite (as NO₂)		Annual	DRY	DRY	mg/l	0,375	SW EQS	no
06/12/2016	GW01 Shallow	Total Oxidised Nitrogen (as N)	Ion Chromatography	Annual	DRY	DRY	mg/l	No abnormal change	SW EQS	no
06/12/2016	GW01 Shallow	Cyanide	Colourimetry	Annual	DRY	DRY	mg/l	0.0375	SW EQS	no
06/12/2016	GW01 Shallow		Colourimetry	Annual	DRY	DRY	mg/l	No abnormal change	SW EQS	no
		Alkalinity (as CaCO <sub>3</sub> )	5		Day	Day			SWEDS	
06/12/2016	GW01 Shallow	Residue on Evaporation	Gravametry	Annual	DRY	DRY	mg/l		SW EQS	no
06/12/2016	GW01 Shallow	Dichlorodifluoromethane	GC-MS	Annual	DRY	DRY	mg/l	-	SW EQS	no
06/12/2016	GW01 Shallow	Chloromethane	GC-MS	Annual	DRY	DRY	mg/l		SW EQS	no
06/12/2016	GW01 Shallow	Chloroethane	GC-MS	Annual	DRY	DRY	mg/l		SW EQS	no

Groundwat	er/Soil monit	oring template			Lic No:	W0076-1		Year	20	)16
06/12/2016	GW01 Shallow	Bromomethane	GC-MS	Annual	DRY	DRY	mg/l	-	SW EQS	no
06/12/2016	GW01 Shallow	Trichlorofluoromethane	GC-MS	Annual	DRY	DRY	mg/l		SW EQS	no
06/12/2016	GW01 Shallow	1,1-Dichloroethene	GC-MS	Annual	DRY	DRY	mg/l	-	SW EQS	no
06/12/2016	GW01 Shallow	Dichloromethane	GC-MS	Annual	DRY	DRY	mg/l	0.01	SW EQS	no
06/12/2016	GW01 Shallow	1,1-Dichloroethane	GC-MS	Annual	DRY	DRY	mg/l	-	SW EQS	no
06/12/2016	GW01 Shallow	cis-1,2-Dichloroethene	GC-MS	Annual	DRY	DRY	mg/l	-	SW EQS	no
06/12/2016	GW01 Shallow	2,2-Dichloropropane	GC-MS	Annual	DRY	DRY	mg/l	-	SW EQS	no
06/12/2016	GW01 Shallow	Chloroform	GC-MS	Annual	DRY	DRY	mg/l	-	SW EQS	no
06/12/2016	GW01 Shallow	Bromochloromethane	GC-MS	Annual	DRY	DRY	mg/l	-	SW EQS	no
06/12/2016	GW01 Shallow	1,1,1-Trichloroethane	GC-MS	Annual	DRY	DRY	mg/l	0.5	SW EQS	no
06/12/2016	GW01 Shallow	1,1-Dichloropropene	GC-MS	Annual	DRY	DRY	mg/l	-	SW EQS	no
06/12/2016	GW01 Shallow	1,2-Dichloroethane	GC-MS	Annual	DRY	DRY	mg/l	0.00225	SW EQS	no
06/12/2016	GW01 Shallow	Benzene	GC-MS	Annual	DRY	DRY	mg/i	0.00075	SW EQS	no
06/12/2016	GW01 Shallow	1,2-Dichloropropane	GC-MS	Annual	DRY	DRY	mg/l	-	SW EQS	no
06/12/2016	GW01 Shallow	Trichloroethene	GC-MS	Annual	DRY	DRY	mg/l	-	SW EQS	no
06/12/2016	GW01 Shallow	Bromodichloromethane	GC-MS	Annual	DRY	DRY	mg/l	-	SW EQS	no
06/12/2016	GW01 Shallow	Dibromomethane	GC-MS	Annual	DRY	DRY	mg/l	-	SW EQS	no
06/12/2016	GW01 Shallow	cis-1,3-Dichloropropene	GC-MS	Annual	DRY	DRY	mg/l		SW EQS	no
06/12/2016	GW01 Shallow	Toluene	GC-MS	Annual	DRY	DRY	mg/l	0.01	SW EQS	no
06/12/2016	GW01 Shallow	trans-1,3-Dichloropropene	GC-MS	Annual	DRY	DRY	mg/l	-	SW EQS	no
06/12/2016	GW01 Shallow	1,1,2-Trichloroethane	GC-MS	Annual	DRY	DRY	mg/l	-	SW EQS	no
06/12/2016	GW01 Shallow	Carbon Tetrachloride	GC-MS	Annual	DRY	DRY	mg/l	-	SW EQS	no
06/12/2016	GW01 Shallow	Vinyl Chloride	GC-MS	Annual	DRY	DRY	mg/l	0.000375	SW EQS	no
06/12/2016	GW01 Shallow	1,3-Dichloropropane	GC-MS	Annual	DRY	DRY	mg/l	-	SW EQS	no
06/12/2016	GW01 Shallow	Tetrachioroethene	GC-MS	Annual	DRY	DRY	mg/l	-	SW EQS	no
06/12/2016	GW01 Shallow	Dibromochloromethane	GC-MS	Annual	DRY	DRY	mg/l	-	SW EQS	no
06/12/2016	GW01 Shallow	1,2-Dibromoethane	GC-MS	Annual	DRY	DRY	mg/l	-	SW EQS	no
06/12/2016	GW01 Shallow	Chlorobenzene	GC-MS	Annual	DRY	DRY	mg/l	0.001	SW EQS	no
06/12/2016	GW01 Shallow	1,1,1,2-Tetrachloroethane	GC-MS	Annual	DRY	DRY	mg/l		SW EQS	no
06/12/2016	GW01 Shallow	Ethyl Benzene	GC-MS	Annual	DRY	DRY	mg/l	0.01	SW EQS	no
06/12/2016	GW01 Shallow	m&p-Xylene	GC-MS	Annual	DRY	DRY	mg/l		SW EQS	no
06/12/2016	GW01 Shallow	o-Xylene	GC-MS	Annual	DRY	DRY	mg/l	-	SW EQS	no
06/12/2016	GW01 Shallow	Styrene	GC-MS	Annual	DRY	DRY	mg/l	-	SW EQS	no
06/12/2016	GW01 Shallow	Bromoform	GC-MS	Annual	DRY	DRY	mg/l	-	SW EQS	no
06/12/2016	GW01 Shallow	trans-1,2-Dichloroethene	GC-MS	Annual	DRY	DRY	mg/l	-	SW EQS	no
06/12/2016	GW01 Shallow	Isopropylbenzene	GC-MS	Annual	DRY	DRY	mg/l	-	SW EQS	no
06/12/2016	GW01 Shallow	1,1,2,2-Tetrachloroethane	GC-MS	Annual	DRY	DRY	mg/l	-	SW EQS	no
06/12/2016	GW01 Shallow	1,2,3-Trichloropropane	GC-MS	Annual	DRY	DRY	mg/l	-	SW EQS	no
06/12/2016	GW01 Shallow	n-Propylbenzene	GC-MS	Annual	DRY	DRY	mg/l	-	SW EQS	no
06/12/2016	GW01 Shallow	Bromobenzene	GC-MS	Annual	DRY	DRY	mg/l		SW EQS	no
06/12/2016	GW01 Shallow	2-Chlorotoluene	GC-MS	Annual	DRY	DRY	mg/l		SW EQS	no
06/12/2016	GW01 Shallow	1,3,5-Trimethylbenzene	GC-MS	Annual	DRY	DRY	mg/l	-	SW EQS	no
06/12/2016	GW01 Shallow	4-Chlorotoluene	GC-MS	Annual	DRY	DRY	mg/l		SW EQS	no
06/12/2016	GW01 Shallow	tert-Butylbenzene	GC-MS	Annual	DRY	DRY	mg/l	-	SW EQS	no
06/12/2016	GW01 Shallow	1,2,4-Trimethylbenzene	GC-M5	Annual	DRY	DRY	mg/l	-	SW EQS	no
06/12/2016	GW01 Shallow	sec-Butylbenzene	GC-MS	Annual	DRY	DRY	mg/l	-	SW EQS	no
06/12/2016	GW01 Shallow	p-Isopropyltoluene	GC-MS	Annual	DRY	DRY	mg/l	-	SW EQS	no
06/12/2016	GW01 Shallow	1,3-Dichlorobenzene	GC-MS	Annual	DRY	DRY	mg/l	-	SW EQS	no
06/12/2016	GW01 Shallow	1,4-Dichlorobenzene	GC-MS	Annual	DRY	DRY	mg/l	-	SW EQS	no
06/12/2016	GW01 Shallow	n-Butylbenzene	GC-MS	Annual	DRY	DRY	mg/I		SW EQS	no
06/12/2016	GW01 Shallow	1,2-Dichlorobenzene	GC-MS	Annual	DRY	DRY	mg/l	0.01	SW EQS	no

Environmental Liabilities template Lic No: W0076-1 Year 2016

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Commentary ELRA initial agreement status 1 not required SELECT SELECT 2 ELRA review status 3 Amount of Financial Provision cover required as determined by the latest ELRA Specify Financial Provision for ELRA status SELECT Financial Provision for ELRA - amount of cover Specify 5 Financial Provision for ELRA - type SELECT 6 Financial provision for ELRA expiry date Enter expiry date SELECT 8 Closure plan initial agreement status Closure plan review status SELECT 9 SELECT 10 Financial Provision for Closure status Financial Provision for Closure - amount of cover Specify 11 SELECT Financial Provision for Closure - type 12 Financial provision for Closure expiry date Enter expiry date 13

En	vironmental Management Programme/Continuous Improvement Programm	e template	Lic No:	W0076-1	Year	2016
	Highlighted cells contain dropdown menu click to view		Additional Information			
1	Do you maintain an Environmental Mangement System (EMS) for the site. If yes, please detail in additional information	Yes				
2 [	Ooes the EMS reference the most significant environmental aspects and associated impacts on-site	Yes				
Do	pes 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	No				

Environmental Management Programme (EMP) report										
Objective Category	Target	Status (% completed)	How target was progressed	Responsibility	Intermediate outcomes					
Reduction of emissions to Air		SELECT		SELECT	SELECT					
SELECT		SELECT		SELECT	SELECT					
SELECT		SELECT	0.95	SELECT	SELECT					

Noise monitoring summary report	Lic No:	W0076-1	Year	2016
1 Was noise monitoring a licence requirement for the AER period?		No		
If yes please fill in table N1 noise summary below	Noise		7	
2 Was noise monitoring carried out using the EPA Guidance note, including completion of the	Guidance	SELECT		
"Checklist for noise measurement report" included in the guidance note as table 6?	note NG4			
3 Does your site have a noise reduction plan		SELECT		
4 When was the noise reduction plan last updated?		Enter date		
Have there been changes relevant to site noise emissions (e.g. plant or operational changes) sinoise survey?	nce the last	SELECT		
Table 814. Notes worthwise way			_	

Table N1: Noise monitoring summary										1	
Date of monitoring	Time period	Noise location	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	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)?
53								SELECT	SELECT		SELECT
	ļ						-				
			9				-				
	1										

<sup>\*</sup>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?	
	<del></del>
Any additional comments? (less than 200 words)	

Year

			Additional information
1	When did the site carry out the most recent energy efficiency audit? Please list the recommendations in table 3 below	Enter date of audit	
	SEAL - Large		
	Is the site a member of any accredited programmes for reducing energy usage/water conservation Industry Energy		
2	such as the SEAI programme linked to the right? If yes please list them in additional information Network (LIEN)	SELECT	
	Where Fuel Oil is used in boilers on site is the sulphur content compliant with licence conditions? Please state percentage		
3	in additional information	SELECT	

W0076-1

Lic No:

Table R1 Energy usag	ge on site			
Energy Use	Previous year	Current year	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*
Total Energy Used (MWHrs)				
Total Energy Generated (MWHrs)				
Total Renewable Energy Generated (	MWHrs)			
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				

Resource Usage/Energy efficiency summary

\* 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 V	Vater usage on site				Water Emissions	Water Consumption		
Water use	Water extracted Previous year m3/yr.	Water extracted	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*	Volume Discharged back to environment(m³yr):	Volume used i.e not discharged to environment e.g. released as steam m3/yr	Unaccounted for Water:	
Groundwater								
Surface water							<u> </u>	
Public supply								
Recycled water								
Total					ļ			

\* 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						
	Total	Landfill	Incineration	Recycled	Other	Dic. I
Hazardous (Tonnes)						
Non-Hazardous (Tonnes)						

Resc	urce Usage/Energy effi	ciency summary			Lic No:	W0076-1		Year	2016
	Table R4: Energy Audit finding recommendations						1		
	Date of audit	Recommendations	Description of Measures proposed		Predicted energy savings %	Implementation date	Responsibility	Completion date	Status and comments
				SELECT					
				SELECT					
				SELECT					

	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				

Include perime Complete

SELECT

SELECT

SELECT SELECT

Resolution

Resolution status date

Likelihood of

reoccurence

Low

SELECT

SELECT SELECT

Complaints and Incidents summary template		Lic No:	W0076-1	Year	2016	
Complaints						
		Additional informa	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					

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

	Incidents			
				Additional informati
Have any incidents occurred on site in the current repo	rting year? Please list all incid	lents for current reporting		1112
year in Tal	le 2 below		Yes	
		]	_	
*For information on how to report and what				
constitutes an incident	What is an incident			

% reduction/ increase

100% increase

Table 2 Incidents sur	nmary		]								
			Incident		Ì	Other	Activity in		1		Preventative
			category*please refer to			cause(please	progress at			Corrective action<20	action <20
Date of occurrence	Incident nature	Location of occurrence	guidance	Receptor	Cause of incident	specify)	time of incident	Communication	Occurrence	words	words
22/04/2016	Fire	Other location (please speci	1. Minor	Air	Not related to site	activities	Normal activities	EPA	New	Inspect fensing	Include perime
		SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT		
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT		
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT		
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT		
Total number of											
incidents current											
year		1									
Total number of											
incidents previous											
year		ol									

VASTE SUMMARY						W0076-1	77777	Year	E			4
ECTION A-PRTR O	N SITE WASTE TREATMENT AND	WASTE TRANSFERS TAI	B- TO BE COMPLETED	BY ALL IPPC AND W	ASTE FACILITIES	PRTR facility logon		dropdown K	st click to see options			
CTION B- WASTE	ACCEPTED ONTO SITE-TO BE CO	OMPLETED BY ALL IPPC A	AND WASTE FACILITIE	ES								
							Additional Information	n 1				
ere any wastes <u>accepte</u> to be captured through	ed onto your site for recovery or disposal on PRTR reporting)	or treatment prior to recovery o	r disposal within the bound	aries of your facility ?; (wa	ste generated within your boundaries	No						
yes please enter detail:	s in table 1 below							1				
d your site have any re	jected consignments of waste in the curre	nt reporting year? If yes please	give a brief explanation in t	he additional information		No						
Was w	vaste accepted onto your site that was gen	erated outside the Republic of I	reland? If yes please state t	the quantity in tonnes in a	dditional information	SELECT						
	f waste accepted onto your		osal or treatment	(do not include w	astes generated at your si	te, as these w	ill have been r	eported in your P	RTR workbook)	I O	Comments -	1
Licenced annual tonnage limit for your site (total tonnes/annum)	EWC code	Source of waste accepted	Description of waste accepted Please enter an accurate and detailed description - which applies to relevant EWC code European Waste	Quantity of waste accepted in current reporting year (tonnes)	Quantity of waste accepted in previous reporting year (tonnes)	Reduction/ Increase over previous year +/ - %	Reason for reduction/increase from previous reporting year	Packaging Content (%)- only applies if the waste has a packaging component	Disposal/Recovery or treatment operation carried out at your site and the description of this operation	Quantity of waste remaining on site at the end of reporting year (tonnes)	Comments	
3			Catalogue EWC codes									
		7/8										1
								-				1
		- 11										
ECTION C.TO REC	OMPLETED BY ALL WASTE FACIL	ITIES (waste transfer st.	ations Composters	Material recovery fa	cilities etc) EXCEPT LANDFILL	SITES						
SECTION C-TO BE C	OMPLETED BY ALL WASTE FACIL	JTIES (waste transfer st	ations, Composters, I	Material recovery fa	cilities etc) EXCEPT LANDFILL	SITES						
										]		
	OMPLETED BY ALL WASTE FACIL					SELECT						
s all waste processing in	frastructure as required by your licence an	id approved by the Agency in pl	ace? If no please list waste	processing infrastructure r	equired ansite	SELECT						
s all waste processing in		id approved by the Agency in pl	ace? If no please list waste	processing infrastructure r	equired ansite	SELECT						
s all waste processing in s all waste storage infras	frastructure as required by your licence an structure as required by your licence and a elevant nuisance controls in place?	nd approved by the Agency in place	ace? If no please list waste	processing infrastructure r	equired ansite	SELECT SELECT						
s all waste processing in s all waste storage infras	frastructure as required by your licence and structure as required by your licence and a elevant nuisance controls in place? anagement system in place for your facilit	nd approved by the Agency in place	ace? If no please list waste	processing infrastructure r	equired ansite	SELECT						
all waste processing in all waste storage infras oes your facility have re to you have an odour m o you maintain a sludge	frastructure as required by your licence an structure as required by your licence and a elevant nuisance controls in place? anagement system in place for your facilit e register on site?	ad approved by the Agency in place  ppproved by the Agency in place  y? If no why?	ace? If no please list waste	processing infrastructure r	equired ansite	SELECT SELECT SELECT						]
s all waste processing in all waste storage infrastores your facility have re to you have an odour m to you maintain a sludge.	frastructure as required by your licence and structure as required by your licence and a elevant nuisance controls in place? anagement system in place for your facilit	ad approved by the Agency in place  ppproved by the Agency in place  y? If no why?	ace? If no please list waste	processing infrastructure r	equired ansite	SELECT SELECT SELECT						
s all waste processing in all waste storage infrastores your facility have re to you have an odour m to you maintain a sludge.	frastructure as required by your licence and a structure as required by your licence and a elevant nuisance controls in place? anagement system in place for your facility e register on site?	ad approved by the Agency in place  ppproved by the Agency in place  y? If no why?	ace? If no please list waste	processing infrastructure r	equired ansite	SELECT SELECT SELECT						
s all waste processing in all waste storage infrastores your facility have re to you have an odour m to you maintain a sludge.	frastructure as required by your licence and a structure as required by your licence and a elevant nuisance controls in place? anagement system in place for your facility e register on site?	ad approved by the Agency in place  ppproved by the Agency in place  y? If no why?	ace? If no please list waste	processing infrastructure r	equired ansite	SELECT SELECT SELECT						
all waste processing in all waste storage infrastors your facility have no you have an odour mo you maintain a sludge ECTION D-TO BE (Cable 2 Waste types permitted	frastructure as required by your licence and a structure as required by your licence and a selevant nuisance controls in place? anagement system in place for your facilitie register on site?  COMPLETED BY LANDFILL SITES (e.e. and tonnage-landfill only  Authorised/licenced annual intake for	ind approved by the Agency in place approved by the Agency in place by? If no why?  DNLY  Actual intake for disposal in	ace? If no please list waste sto  7. If no please list waste sto  Remaining licensed capacity at end of	processing infrastructure r	equired ansite	SELECT SELECT SELECT						
s all waste processing in s all waste storage infras soos your facility have re to you have an odour m to you maintain a sludge SECTION D-TO BE C Table 2 Waste types Waste types permitted for dispusal	frastructure as required by your licence and a structure as required by your licence and a structure as required by your licence and a selevant nuisance controls in place? anagement system in place for your facility register on site?  COMPLETED BY LANDFILL SITES Completed and tonnage-landfill only  Authorised/licenced annual intake for dispusal (tpa)	ind approved by the Agency in place approved by the Agency in place by? If no why?  DNLY  Actual intake for disposal in	ace? If no please list waste sto  7. If no please list waste sto  Remaining licensed capacity at end of	processing infrastructure r	equired ansite	SELECT SELECT SELECT						
s all waste processing in s all waste storage infras soos your facility have re to you have an odour m to you maintain a sludge SECTION D-TO BE C Table 2 Waste types Waste types permitted for dispusal	frastructure as required by your licence and a structure as required by your licence and a selevant nuisance controls in place? anagement system in place for your facilitie register on site?  COMPLETED BY LANDFILL SITES (e.e. and tonnage-landfill only  Authorised/licenced annual intake for	ind approved by the Agency in place approved by the Agency in place by? If no why?  DNLY  Actual intake for disposal in	ace? If no please list waste sto  7. If no please list waste sto  Remaining licensed capacity at end of	processing infrastructure r	equired ansite	SELECT SELECT SELECT						
s all waste processing in s all waste storage infras soos your facility have re to you have an odour m to you maintain a sludge SECTION D-TO BE C Table 2 Waste types Waste types permitted for dispusal	frastructure as required by your licence and a structure as required by your licence and a structure as required by your licence and a selevant nuisance controls in place? anagement system in place for your facility register on site?  COMPLETED BY LANDFILL SITES Completed and tonnage-landfill only  Authorised/licenced annual intake for dispusal (tpa)	ind approved by the Agency in place approved by the Agency in place by? If no why?  DNLY  Actual intake for disposal in	ace? If no please list waste sto  7. If no please list waste sto  Remaining licensed capacity at end of	processing infrastructure r	equired ansite	SELECT SELECT SELECT	Licence permits unbesten	Is there a separate cell for asbestor?	Accepted ashestes in reporting		Lined dispessal area occupied hy waste	Unline
s all waste processing in s all waste storage infra- tions your facility have ra too you have an odour m to you maintain a sludge SECTION D-TO BE ( Table 2 Waste type Waste types permitted for dispusal	frastructure as required by your licence and a structure as required by your licence and a selevant nuisance controls in place? anagement system in place for your facility register on site?  COMPLETED BY LANDFILL SITES (a pand tonnage-landfill only dispussal (tpa)	pproved by the Agency in place pproved by the Agency in place proved by the Agency in place prov	ace? If no please list waste sto  Remaining lice used capacity at end of reporting year (m3)	processing infrastructure rage infrastructure require  Comments  Private or Public	equired onsite	SELECT SELECT SELECT SELECT SELECT SELECT SELECT				area occupied by waste	area occupied by	Unlined

WASTE SUMMARY				des since	Lic No:	W0076-1		Year
	ntal monitoring-landfill only	Landfill Manual Monitoring Star	dards				-	
	Was leachate monitored in compliance with LD standard in reporting year		Was 5W monitored in compliance with LD standard in reporting year	Have GW trigger levels been established	Were emission limit values agreed with the Agency (ELVs)	Was topography of the site surveyed in reporting year	Has the statement under S53(A)(5) of WMA been submitted in reporting year	Comments
		1						
	Manual linked above for relevant Landf	ill Directive monitoring standards						
Table 5 Capping-La	indfill only					1		
Area uncapped®	Area with temporary cap			Area with waste that should be permanently				
				capped to date under				
SELECT UNIT	SELECT UNIT	Area with final cap to LD Standard m2 has a	Area capped other	licence	What materials are used in the cap	Comments		
			Area capped other		What materials are used in the cap	Comments	-	
please note this include	es daily cover area		Area capped other		What materials are used in the cap	Comments	-	
please note this include Table 6 Leachate-L	es daily cover area andfill only	Standard m2 ha. s	Area capped other		What materials are used in the cap			
please note this include Table 6 Leachate-L Is leachate from your sit	es daily cover area andfill only e treated in a Waste Water Treatment Pl	Standard m2 ha, a			What materials are used in the cap	Comments  SELECT SELECT	<del>-</del> ] -]	
please note this include Table 6 Leachate-L Is leachate from your sit	es daily cover area andfill only	Standard m2 ha, a			What materials are used in the CAP	SELECT SELECT	3	
*please note this include Table 6 Leachate-L Is leachate from your sit Is leachate released to s Volume of leachate in	es daily cover area andfill only e treated in a Waste Water Treatment Pl	Standard m2 ha. a  ant? chate mass load information below  Leachate (COB) mass load			What materials are used in the cap  Leachate treatment on-site	SELECT	Comments	]
*please note this include Table 6 Leachate-L Is leachate from your sit Is leachate released to s Volume of leachate in	es daily cover area andfill only e treated in a Waste Water Treatment Pl uurface water? If yes please complete lea	Standard m2 ha. a  ant? chate mass load information below  Leachate (COB) mass load	Leuchate (NH4) mass	licence Leachate (Chloride)		SELECT SELECT Specify type of leachate	Comments	
*please note this include Table 6 Leachate-L Is leachate from your sit Is leachate released to s Volume of leachate in	es daily cover area .andfill only e treated in a Waste Water Treatment Pl surface water? If yes please complete lea	Standard m2 ha. a  ant? chate mass load information below  Leuchate (COD) mass load (kg/annum)	Leuchate (NH4) mass	licence  Leachate (Chloride) mass lead kg/annum	Leschale treatment on-site	SELECT SELECT Specify type of leachate	Comments	
"please note this include Table 6 Leachate-L is leachate from your sit is leachate released to s Volume of leachate in reporting year(m3)	es daily cover area .andfill only e treated in a Waste Water Treatment Pl urface water? If yes please complete lea Leachate (BOD) mass load (kg/annum) Please ensure that all information re	Standard m2 ha. a  ant? chate mass load information below  Leuchate (COD) mass load (kg/annum)	Leuchate (NH4) mass	licence  Leachate (Chloride) mass lead kg/annum	Leschale treatment on-site	SELECT SELECT Specify type of leachate	Comments	
"please note this include Table 6 Leachate-L is leachate from your sit is leachate released to s Volume of leachate in reporting year(m3)	es daily cover area .andfill only e treated in a Waste Water Treatment Pl urface water? If yes please complete lea Leachate (BOD) mass load (kg/annum) Please ensure that all information re	Standard m2 ha. a  ant? chate mass load information below  Leuchate (COD) mass load (kg/annum)	Leuchate (NH4) mass	licence  Leachate (Chloride) mass lead kg/annum	Leschale treatment on-site	SELECT SELECT Specify type of leachate	Comments	
*please note this include Table 6 Leachate-L Is leachate from your sit Is leachate released to s Volume of leachate in	es daily cover area .andfill only e treated in a Waste Water Treatment Pl urface water? If yes please complete lea Leachate (BOD) mass load (kg/annum) Please ensure that all information re	Standard m2 ha. a  ant? chate mass load information below  Leuchate (COD) mass load (kg/annum)	Leuchate (NH4) mass	licence  Leachate (Chloride) mass lead kg/annum	Leschale treatment on-site	SELECT SELECT Specify type of leachate	Comments	
"please note this include Table 6 Leachate-L Is leachate from your sit is leachate released to s Volume of leachate in reporting year(m3)	es daily cover area .andfill only e treated in a Waste Water Treatment Pl urface water? If yes please complete lea Leachate (BOD) mass load (kg/annum) Please ensure that all information re	Standard m2 ha. a  ant? chate mass load information below  Leuchate (COD) mass load (kg/annum)	Leuchate (NH4) mass	licence  Leachate (Chloride) mass lead kg/annum	Leschale treatment on-site	SELECT SELECT Specify type of leachate	Comments	



## Guidance to completing the PRTR workbook

# **PRTR Returns Workbook**

WHICH I'I
2016
Limerick City & County Council
Longpavement landfill site
W0076
W0076-01
class_name
Refer to PRTR class activities below

Address 1	Monabraher
Address 2	
Address 3	
Address 4	
200	Limerick
0	Ireland
Coordinates of Location	
River Basin District	
NACE Code	
	Remediation activities and other waste management services
AER Returns Contact Name	
AER Returns Contact Email Address	
AER Returns Contact Position	
AER Returns Contact Telephone Number	
AER Returns Contact Mobile Phone Number	
AER Returns Contact Fax Number	
Production Volume	
Production Volume Units	
Number of Installations	
Number of Operating Hours in Year	
Number of Employees	
User Feedback/Comments	
Wah Addraga	W. W. C.

# 2. PRTR CLASS ACTIVITIES Activity Number

Activity Number	Activity Name
50.1	General
50.1 5(c)	Installations for the disposal of non-hazardous waste
50.1	General
3. SOLVENTS REGULATIONS (S.I. No. 543 of 20	02)
ls it applicable?	No
Have you been granted an exemption ?	
If applicable which activity class applies (as per	
Schedule 2 of the regulations) ?	
is the reduction scheme compliance route being	
used ?	

4. WASTE IMPORTED/ACCEPTED ONTO SITE	Guidance on waste imported/accepted onto site
Do you import/accept waste onto your site for on- site treatment (either recovery or disposal activities) ?	

This question is only applicable if you are an IPPC or Quarry site

STATE OF STREET

#### SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

8	A STATE OF THE PARTY OF THE PAR	Please enter all quantities in this section in XGs								
	POLLUTANT				METHOD	QUANTITY			- /	
					Method Used		The second secon		THE SAME PARTY.	
L	No Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year	
	11	Methane (CH4)	C	OTH	US EPA Land Gem	411019.0	411019 0	0.	0.0	
C	13	Carbon dioxide (CO2)	C	OTH	US EPA Land Gem	161129.0	161129 0	0.	0.0	

\* Select a row by double-clicking on the Politulant Name (Column B) then click the delete button

### SECTION B : REMAINING PRTR POLLUTANTS

	RELEASES TO AIR	Please enter all quantities in this section in KGs							
POLLUTANT				METHOD	QUANTITY				
				Method Used	TO A STATE OF THE				
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year	
		li .			0.0		0.0	0.0	

\* Select a row by double-clicking on the Pollulant Name (Column B) then click the delete button

#### SECTION C : REMAINING POLLUTANT EMISSIONS (As required in your Licence)

		Please enter all quantities in this section in KGs							
POLLUTANT			M	ETHOD	QUANTITY				
				Method Used				T	
Pollutant No.	Nam#	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year	

\* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

Additional Data Requested from Landfill operators

For the purposes of the National Inventory on Greenhouse Cases, landfill operators are requested to provide summary data on landfill gas (Methans) fished or utilized on their facilities to accompany the figures for total methans generated. Operations should only report their Net methans (CH4) emission to the environment under frictals) (KCyrl to Section X, Section specific PRTIP poliularities above. Perseas complete his table below:

Landfill:

Longpavement landfall site

Please enter summary data on the quantities of methane flared and / or utilised			Met	thod Used		
1	225 25 257			Designation or	Facility Total Capacity	
1	T (Total) kg/Year	M/C/E	Method Code	Description	m3 per hour	
Total estimated methane generation (as per	A 5216211W					
site model)	411019.2	C	OTH	US EPA Land Gem	N/A	
Methane flared		С	OTH	enclosed flare	150 0	(Total Flaring Capacity)
Methane utilised in engine/s			The state of the s	The second second	0.0	(Total Utilising Capacity)
Net methane emission (as reported in Section)						
A above)	331312.2	С	ОТН	US EPA Land Gem	N/A.	

### 5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE

(4VEHNOV/12:00:

5. ONSITE THEATING	ENT & OF SITE THA			uantities on this sheet in Tonnes								3
	European Waste		Quantity (Tonnes per Year)		Waste Trealment		Method Used	Location of	Haz Waste : Name and Licence/Permit No of Next Destination Facility Non Haz Waste : Name and Licence/Permit No of Recover/Disposer	Hax Waste - Address of Next Destination Facility Non Haz Waste - Address of Recover/Disposer	Name and License / Permit No. and Address of Final Recoversr / Disposer (HAZARDOUS WASTE ONLY)	Actual Address of Final Destination te Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY)
Transfer Destination	Code	Hazardous		Description of Waste	Operation	M/C/E	Method Used	Treatment				
Within the Country	19 07 03	No	land 182-0 in 19	dfill leachate other than those mentioned 9 07 02	D8	С	Volume Calculation	Offsite in Ireland	Limerick City Council ,D0013-01	Bunlickey Waste Water Treatment Plant,-,Limerick,.,Ireland		

Select a row by double circling the Description of Waste then click the delete hotics

Link to previous years waste data Link to previous years waste summary data & percentage change Link to Waste Guidance