Facility Information Summar	у				
AER Reporting Year	2016				
Licence Register Number	W0281-01				
Name of site	Limerick Gasworks				
Site Location	Dock Road Limerick				
	, ,	-	GE, WASTE MANAGEMENT AND liation activities and other waste t services)		
NACE Code					
Class/Classes of Activity	lass 11.2(b) a	nd Class 11.1			
National Grid Reference (6E, 6 N)	156950E, 156650N				

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.

- a. EMS, ERP, APP, FWRA & SWMP submitted to EPA through the EDEN platform.
- b. Site mobilisation. Installation of temporary office and welfare portacabin facilities including: 3 offices, 1 canteen, 1 bathroom & shower, one drying room and two generators.
- c. Installation of monitoring points and baseline readings recorded.
- d. Mitigitation measures identified in the ELRA have been implemented onsite and are working effectively.
- e. Construction and testing of 2 plant containmnet bunds.
- f. Installation of pump & treat plant and equipment.
- g. Drilling and installation of 45no. pumping / extraction wells throughout the site to a maximum depth of 10 metres.
- h. Recovery of freephase DNAPL (coal tar) through pneumatic pump system. Material stored in IBCs onsite.
- j. No exceedance of the licence limits / non-compliances recorded.

## **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 John Collins Date 27-Mar-17
Group/Facility manager pp Gas Networks Ireland (GNI)

(or nominated, suitably qualified and experienced deputy)

AIR-summary template					Lic No:	W0281-01		Year	2016	i
Answer all questions and complete all tables whe	re relevant						Additional informati	on	7	
Does your site have licensed air emissions? If you do not have licenced emissions and do	res please complete table A o not complete a solvent n	A1 and A2 below for the currer nanagement plan (table A4 an	nt reporting year and A5) you <u>do not</u>	and answer further questions need to complete the tables	Yes		e B1 states there sha f environmental sign			
Periodic/Non-	Continuous Monitorin	g								
		_								
Are there any results in breach of li	cence requirements? If yes p	lease provide brief details in the	comment section of Basic air	f TableA1 below	No	All monitoring po	ints for VOC are belo	w limit of detection		
Was all monitoring carried out in accordance wit	h EPA guidance note AG2 and checklist?	d using the basic air monitoring	monitoring checklist	AGN2	Yes					
				<u></u>						
Table A1: Licensed Mass Emissions/Am	bient data-periodic m	onitoring (non-continuou	ıs)							
			ELV in licence or							Comments - reason for change in % mass load from
Emission reference no:	Parameter/ Substance	Frequency of Monitoring	any revision therof	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence limit	Method of analysis	Annual mass	previous year if applicable
	Volatile organic						metrice will			
Environmental Monitoring points 1, 2 3 and 4	compounds (as TOC)	Daily. (Two hours interval)	1	Daily average < ELV	< 1	ppm	yes	ESTIMATE	0	NA
	SELECT			SELECT		SELECT	SELECT	SELECT		
	SELECT			SELECT		SELECT	SELECT	SELECT		
Note 1: Volumetric flow shall be included as a repo	SELECT irtable parameter			SELECT		SELECT	SELECT	SELECT		
	Continuous Monitorin	g								
Does your site carry out continuous air emissions					No					
	-					1			_	
If yes please review your continuous monitoring			mpare it to its relev	ant Emission Limit Value (ELV)					1	
Did continuous monitoring equipment experience	downtime? If yes please reco	ord downtime in table A2 below			No					
Do you have a proactive service agreement for each	h piece of continuous monito	oring equipment?			No					
Did your site experi	ence any abatement system	bypasses? If yes please detail the	m in table A3 belov	v	No					
Table A2: Summary of average emissio						•			<b>∃</b> '	
Emission reference no:	Parameter/ Substance		Averaging Period	Compliance Criteria	Units of	Annual Emission	Annual maximum	Monitoring	Number of ELV	Comments
		ELV in licence or any revision			measurement			Equipment downtime (hours)	exceedences in current reporting year	
	SELECT	therof		SELECT	SELECT				reporting year	
	SELECT SELECT			SELECT	SELECT SELECT					
	SELECT SELECT				SELECT SELECT					
note 1: Volumetric flow shall be included as a repo	rtable parameter.		ı		Section					
Table A3: Abatement system bypass re		T		Bypass protocol						=
Date*	Duration** (hours)	Location	Ri	eason for bypass		Impact magnitude	2	Corrective	e action	
	1	1								1
		an abatement system bypass oc								
** an accurate record of time bypass beginning an	d end should be logged on sit	te and maintained for future Age	ncy inspections ple	ase refer to bypass protocol link	ı					
Solvent use ar	nd management on site	e								
		27								
Do you have a total Emission Limit Value of direct						,	No			
Table A4: Solvent Management Plan St	ımmary Total VOC Emi	ssion limit value	Solvent regulations	Please refer to linked solve complete table 5	nt regulations to and 6					
Reporting year	Total solvent input on site (kg)	Total VOC emissions to Air from entire site (direct and	Total VOC emissions as %of		Compliance					
		fugitive)	solvent input	Total Emission Limit Value (ELV) in licence or any revision						
				therof	SELECT	-				
					SELECT	i				
Table A5: Solver	t Mass Balance summ	ary		<u> </u>					7	
	(I) Inputs (kg)			(O) Outp	uts (kg)					
Solvent	(I) Inputs (kg)	Organic solvent emission in waste gases(kg)	Solvents lost in water (kg)	Collected waste solvent (kg)	Fugitive Organic Solvent (kg)	Solvent released in other ways e.g.	Solvents destroyed onsite through	Total emission of Solvent to air (kg)		
	1	1			<del>                                     </del>	<del>                                     </del>	<del>                                     </del>	<del>                                     </del>	-	
									1	
-	•	*	*				Tota		1	

AER Monitor	ring returns su	mmary template-W/	ATER/WASTEWA	TER(SEWER)		Lic No:	W0281-01 Additional information		Year	2016					
please com further questi	nplete table W2 a ions. If you do no	emissions direct to surfa and W3 below for the cu at have licenced emission or storm water analysis	rrent reporting year ns you <u>only</u> need to	r and answer complete table		No emission to Surface Water (SW) or sewer during 2016 period. SW gully bunded and sewage from site welfare facilities sewage removed by contractor									
discharges or	r watercourses or	icence to carry out visua n or near your site? If yes dence of contamination i	s please complete to	able W2 below	No		Connector								
Table	W1 Storm wa	ter monitoring			140										
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					
	SELECT	SELECT	SELECT			SELECT		SELECT	SELECT						
	SELECT	SELECT	SELECT			SELECT		SELECT	SELECT						
		he Agency outside of licen													
	ole W2 Visual ii	nspections-Please or	nly enter details	where contan	nination was ol	bserved.					ī				
Location Reference	Date of inspection					Source of									
nererence	порессион		Description of cont NA	amination		contamination SELECT	Corrective act	ion	Comn	nents					
			NA			SELECT									
		er and /or wastewat			g (non-continu	ous)									
Was there any		f licence requirements? If mment section of Table W.		ief details in the	SELECT		Additional information								
	-	minera section of Tubic W	3 50.011		SEEECT		Additional mornation				Ī				
		in accordance with EPA													
		ty of Aqueous Monitoring please detail what areas	External /Internal Lab Quality	Assessment of											
		tional information box	checklist	results checklist	No										
Table 14/2: 1 i	icancad Emissi	to water and /e-		aul mariadia	manitarina (n										
Table WS. LI	icenseu Emissi	ons to water and /or	wastewater (se	wer j-periouic	monitoring (no	on-continuous)									
						ELV or trigger values							Procedural		
Emission	Emission	Parameter/		Frequency of		in licence or any			Unit of	Compliant with		Procedural	reference	Annual mass load	1
reference no:	released to SELECT	SubstanceNote 1 SELECT	Type of sample SELECT	monitoring	Averaging period SELECT	revision therof <sup>Note 2</sup>	Licence Compliance criteria SELECT	Measured value	measurement SELECT	licence SELECT	Method of analysis SELECT	reference source SELECT	standard number	(kg)	Comments
	SEECT	SEECT	SEECT		SEECT		SEEECT		SEECT	SEEECT	SEEECT	SEECT		+	
		icluded as a reportable par ies (ELV) do not apply to yo		nnare results agai	inst EOS for Surface	water or relevant rec	entor quality standards								
		(,													
Continuous I		us emissions to water/sew	er monitoring?				Additional Information		1						
					No				J						
	ımmarise your con ission Limit Value	tinuous monitoring data l	below in Table W4 a	nd compare it to											
									7						
Did continuous r table W4 below	monitoring equipm	nent experience downtime	? If yes please record	downtime in	No										
Do you have a p	proactive service co	entract for each piece of co	ntinuous monitoring	equipment on											
site?					No				_						
		ur during the reporting yea			No										
Table W4: Su	ummary of ave	erage emissions -con	tinuous monitor	ing											
															1
			ELV or trigger values in licence or					% change +/- from previous reporting	Monitoring	Number of ELV					
Emission	Emission		any revision		Compliance	Units of	Annual Emission for current	year	Equipment	exceedences in					
reference no:	released to	Parameter/ Substance	thereof	Averaging Perior		measurement	reporting year (kg)		downtime (hours)	reporting year		Comr	nents		
	SELECT SELECT	SELECT SELECT		SELECT	SELECT	SELECT SELECT									+
															1
note 1: Volumet	tric flow shall be in	cluded as a reportable para	ameter.												
	batement syst	em bypass reporting	table												
Date	Duration (hours)		Resultant	Reason for	Corrective	Was a report	When was this report submitted:	?							
			emissions	bypass	action*	submitted to the EPA?									
						SELECT									
_	1		1		1			4							

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

Bund/Pipeline testing template Bund testing dropdown menu click to see options Additional information Are you required by your licence to undertake integrity testing on bunds and containment structures? If yes please fill out table 81 below listing all new bunds and containment structures on site, in addition to all bunds which failed the integrity test-all bunding structures which failed including mobile bunds must be listed in the table below, please include all bunds outside the licenced testing period (mobile bunds and chemstore included) 3 years 3 Does the site maintain a register of bunds, underground pipelines (including stormwater and foul), Tanks, sumps and containers? (containers refers to "Chemstore" type units and mobile bunds. 4 How many bunds are on size?

S How many of these bunds have been tested within the required test schedule? 6 How many mobile bunds are on site? 7 Are the mobile bunds included in the bund test schedule? 8 How many of these mobile bunds have been tested within the required test schedule? 8 How many or these mobile bunds have been tested within the required test schedule? 9 How many surpor so liste are included in the integrity sets indebule? 10 How many of these sumps are integrity tested within the test schedule? Please list any many integrity fallows in table 81. 11 Do all sumps and chambers have high level fluidu alarms? 21 If yet to 101 are these falsafed systems included in a maintenance and testing programme? 13 is the Fire Water Retention Pondi included in your integrity test programme? Table B1: Summary details of bund /containment structure integrity test Results of retest(if in Integrity reports maintained on Bund/Containment structure ID Integrity test failure cheduled date current Type of integrity test DNAPL /abstracted water storage tank and oil/water separators 25m³
DNAPL /abstracted water storage tank and oil/water separators, water storage and filter vessels 77m³ Bund 1 other (please specify) Block work double lined with impermeable liners 18.7m<sup>3</sup> Hydraulic test 07/11/2016 Yes NA SELECT Bund 2 other (please specify) Block work double lined with impermeable liners 07/11/2016 Yes Hydraulic test 15 Has integrity testing been carried out in accordance with licence requirements and are all structures tested in line with BS8007/EPA Guidance?
16 Are channels/transfer systems to remote containment systems tested?
7 Are channels/transfer systems complain in both integrity and available volume? bunding and storage guidelines 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 underground structures and pipelines on site which failed the integrity test and all which have 1 not been tested withing the integrity test period as specified 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 secondar tegrity test tegrity reports failure explanation Corrective action Scheduled date Results of retest(if in Does this structure have Secondary containment current reporting year) maintained on site? Results of test 0 words Type system SELECT SELECT SELECT SELECT SELECT SELECT

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

Groundwater/Soil monitoring template W0281-01 Comments 1 Are you required to carry out groundwater monitoring as part of your licence undwater monitor quarterly No soil monitoring undertaken in 2016 not required for the current phase of Please provide an interpretation of groundwater monitoring data in the Are you required to carry out soil monitoring as part of your licence requirements?

Do you extract groundwater for use on site? If yes please specify use in comment 3 section nterpretation box below or if you require additional space please 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 4 an upward trend in results for a substance? If yes, please complete the Groundwater Monitoring Guideline Template Groundwater Report (link in cell G8) and submit separately through ALDER as a monitoring licensee return AND answer questions 5-12 below. 5 Is the contamination related to operations at the facility (either current and/or Contamination due to historic site use historic) Current work comprises Phase 1 (Pump & Treat) of a two phase remediation project. Phase 2 will mprise solidification/ stabilisation of Have actions been taken to address contamination issues?If yes please summarise remnant contamination, after completion of the Phase 1 works. remediation strategies proposed/undertaken for the site 7 Please specify the proposed time frame for the remediation strategy 2 years oundwater monitoring has been undertaken since 2009 (and continu 8 Is there a licence condition to carry out/update ELRA for the site? to take place) across approximately 24 locations across the site and is 9 Has any type of risk assesment been carried out for the site? summarised annually. Groundwater monitoring does not take place 10 Has a Conceptual Site Model been developed for the site? upstream or downstream of the site. The remediation objective is to 11 Have potential receptors been identified on and off site? move the source of potential contamamination and hence there are n 12 Is there evidence that contamination is migrating offsite? Groundwater Threhold Values Table 1: Upgradient Groundwater monitoring results

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

.+ where average indicates arithmetic mean

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

rable 2:	ble 2: Downgradient Groundwater monitoring results										
										Upward trend in	
										yearly average	
										pollutant	
	Sample									concentration	
Date of	location	Parameter/		Monitoring	Maximum	Average				over last 5 years	
sampling	reference	Substance	Methodology	frequency	Concentration	Concentration	unit	GTV's*	SELECT**	of monitoring data	
							SELECT			SELECT	
							SELECT			SELECT	

\*please note exceedance of generic assessment criteria (GAC) such as a Groundwater Threshold Value (GTV) or an Interim Guideline Value (IGV) or an upward trend in

esults for a substance indicates that further interpretation of monitoring results is required. In addition to completing the above table, please complete the Groundwater Monitoring Guideline Template Report at the link provided and submit separately through ALDER as a licensee return or as otherwise instructed by the EPA.

Sweet criteria (GAC) and risk assessment tools is available in the EPA published

Guidance on the Management of Contaminated Land and Groundwater at EPA Exenced after (EPA 2011).

Depending on location of the site and proximity to other sensitive receptors alternative Receptor based Water Quality standards should be used in addition to the GTV g. If the site is close to surface water compare to Surface Water Environmental Quality Standards (SWEQS), If the site is close to a drinking water supply compare results t the Drinking Water Standards (DWS)

Groundwater Drinking water

 Surface
 regulations
 (private supply)
 Drinking water (public
 Interim Guideline

 water EQS
 GTV's
 standards
 supply) standards
 Values (IGV)

Groundwater monitoring template

Table 3: Soil results

Date of sampling	location reference	Parameter/ Substance	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	Lic No:	W0281-01	Year	2016
------------------------------------	---------	----------	------	------

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

			Commentary
1	ELRA initial agreement status	Submitted and agreed by EPA	Mar-16
2	ELRA review status	Review required and completed	MHC 31/05/2016
3	Amount of Financial Provision cover required as determined by the latest ELRA	€0.1m	
4	Financial Provision for ELRA status	Submitted and agreed by EPA	Jun-16
5	Financial Provision for ELRA - amount of cover	€0.1m	
6	Financial Provision for ELRA - type	Other please specify	AIB Standing letter of credit
7	Financial provision for ELRA expiry date	31/12/2018	
8	Closure plan initial agreement status	Closure plan submitted and agreed by EPA	
9	Closure plan review status	Review required and completed	
10	Financial Provision for Closure status	Submitted and agreed by EPA	
11	Financial Provision for Closure - amount of cover	€0.49m	
	Tillation Toylor of Glosuic amount of Cover	60.43111	AIB Standing letter of
12	Financial Provision for Closure - type	Other please specify	credit
13	Financial provision for Closure expiry date	31/12/2018	

	Environmental Management Programme/Continuous Improvement Programme template		Lic No:	W0281-01	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	Document date Sep Document referen	otember 2016 nce 1002.C.C056.EMS						
2	Does the  EMS  reference  the  most  significant  environmental  aspects  and  associated  impacts  on-site	Yes								
	Does the EMS maintain an Environmental Management Programme (EMP) as required in accordance with the licence									
3	requirements	Yes								
			GNI installed a Site information contact details specific to en Decembe  • GNI retain the services of a Loc	vironmental information in er 2014 cal Liaison Officer to liaise with						
	Do you maintain an environmental documentation/communication system to inform the public on environmental performance of		local residents, businesses and							
4	the facility, as required by the licence	SELECT	make contact throu	ghout the project.	_					

Responsibility	Intermediate outcomes
PID Individual	Reduced emissions
Individual	Reduced emissions
	Increased compliance with
tanks Individual	licence conditions
Individual	Installation of infrastructure
	Improved Environmental
Individual	Management Practices
Individual	Reduced emissions
	Improved Environmental
Individual	Management Practices
Individual	Reduced emissions
	Individual tanks Individual Individual Individual Individual Individual Individual

Noise monitoring summary report	Lic No:	W0281-01	Year 2016
1 Was noise monitoring a licence requirement for the AER period?		Yes	7
If yes please fill in table N1 noise summary below			_
	Noise Guidance	Yes	
Was noise monitoring carried out using the EPA Guidance note, including completion of the "Checklist for noise measurement report" included in the guidance note as table 6?	note NG4	res	
3 Does your site have a noise reduction plan		No	
4 When was the noise reduction plan last updated?		NA	
5 Have there been changes relevant to site noise emissions (e.g. plant or operational changes) since the last noise survey?		No	
Takin Mt. Naise populosias company.		•	_

Table N1: Noise monitorii	ng summary										
Date of monitoring	Time period	Noise location (on site)	Noise sensitive location -NSL (if applicable)	LA <sub>eq</sub>	LA <sub>90</sub>	LA <sub>10</sub>	LA <sub>max</sub>	Tonal or Impulsive	identified was 5dB penalty	Comments (ex. main noise sources on site, & extraneous noise ex. road traffic)	Is <u>site</u> compliant with noise limits (day/evening/night)?
14 Sep to 14 Oct 2016	day	private dwellings on St. Alphonsus Street	5m from the common boundary wall of the site and the residences on St. Alphonsus Street		48			No	No	Generator and road traffic on Dock Road and O'Curry street	Yes
14 Sep to 14 Oct 2016	evening	private dwellings on St. Alphonsus Street	5m from the common boundary wall of the site and the residences on St. Alphonsus Street		43			No	No	Generator and road traffic on Dock Road and O'Curry street	Yes
14 Sep to 14 Oct 2016	night	private dwellings on St. Alphonsus Street	5m from the common boundary wall of the site and the residences on St. Alphonsus Street		40			No	No	Generator and road traffic on Dock Road and O'Curry street	Yes

<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?	
Any additional comments? (less than 200 words)	
This dediction comments. New than 200 Worlds	

Resource Usage/Energy efficiency summary W0281-01

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

Audit to be undertaken in 2017 Network (LIEN)

Additional information
Work commence in September 2016.

Is the site a member of any accredited programmes for reducing energy usage/water conservation such <u>Industry Energy</u> as 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			
Energy Use	Previous year	Current year	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*
Total Energy Used (MWHrs)		2395		
Total Energy Generated (MWHrs)		NA		
Total Renewable Energy Generated (N	//WHrs)	NA		
Electricity Consumption (MWHrs)				
Fossil Fuels Consumption:				
Heavy Fuel Oil (m3)		10.8		
Light Fuel Oil (m3)		NA		
Natural gas (m3)		NA		
Coal/Solid fuel (metric tonnes)	None	None	N/A	N/A
Peat (metric tonnes)	None	None	N/A	N/A
Renewable Biomass	None	None	N/A	N/A
Renewable energy generated on site	None	None	N/A	N/A

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

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

Table R2 Water usage	e on site				Water Emissions	Water Consumption	
					Volume Discharged		
	Water extracted	Water extracted	previous reporting	vs overall site	back to	Volume used i.e not discharged to	
Water use	Previous year m3/yr.	Current year m3/yr.	year**	production*	environment(m3yr):	environment e.g. released as steam m3/yr	Unaccounted for Water:
Groundwater							
Surface water							
Public supply		145m <sup>3</sup>					
Recycled water							
Total		145m <sup>3</sup>					

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

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

Table R3 Waste Stream	Summary				
	Total	Landfill	Incineration	Recycled	Other
Hazardous (Tonnes)	NONE				
Non-Hazardous (Tonnes)	NONE	10.32			treatment works

Table R4: Energy A	udit finding recommenda	tions						
		Description of		Predicted energy				Status and
Date of audit	Recommendations	Measures proposed	Origin of measures	savings %	Implementation date	Responsibility	Completion date	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

Table K3. Fower Generation, where p	ower is generated onsite	te.g. power generation	i lacilities/1000 allu t	ii ii k ii iuusti yjpiease t	ompiete the following i
	Unit ID	Unit ID	Unit ID	Unit ID	Station Total
Technology					
Primary Fuel					
Thermal Efficiency					
Unit Date of Commission					
Total Starts for year					
Total Running Time					
Total Electricity Generated (GWH)					
House Load (GWH)					
KWH per Litre of Process Water					
KWH per Litre of Total Water used on	Site				

Complaints and Incidents summary template		Lic No:	W0281-01	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					

Table	1 Complaints summary		1				
			Brief description of complaint (Free txt <20	Corrective action< 20			Further
Date	Category	Other type (please specify)	words)	words	Resolution status	Resolution date	information
	SELECT				SELECT		
	SELECT				SELECT		
	SELECT				SELECT		
	SELECT				SELECT		
	SELECT				SELECT		
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							

	Incident	s	
			Additional information
Have any incidents occurred on site in the current report	ting year? Please list all in	cidents for current reporting	
year in Table	e 2 below	No	
*For information on how to report and what	What is an incident		

incidents previous year % reduction/ increase

Table 2 Incidents sur	mmary		1											
			Incident			Other	Activity in				Preventative			
			category*please refer to			cause(please	progress at time			Corrective action<20	action <20		Resolution	Likelihood of
Date of occurrence	Incident nature	Location of occurrence	guidance	Receptor	Cause of incident	specify)	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														

	Υ				Lic No:	W0281-01		Year	2016	,	
SECTION A-PRTR C	ON SITE WASTE TREATMENT AN	D WASTE TRANSFERS TA	B- TO BE COMPLETE	D BY ALL IPPC ANI	O WASTE FACILITIES	PRTR facility logo	1	dropdown li	ist click to see options		
ECTION B. WAST	E ACCEPTED ONTO SITE-TO BE C	OMDIETED BY ALL IDDC	AND WASTE EACH IT	TEC		1					
SECTION D WAST	E ACCELLIED ONLO SITE TO BE C	OIN LETED OF ALL IT C	AITO TRACTE LACIETY				Additional Information	n			
Were any wastes accept	ted onto your site for recovery or disposal	or treatment prior to recovery	or disposal within the bou	ndaries of your facility ?;	(waste generated within your						
	tured through PRTR reporting)					N/A					
If yes please enter detai	ls in table 1 below						I	i l			
Did your site have any r	ejected consignments of waste in the curr	ent reporting year? If yes pleas	give a brief explanation in	the additional informat	ion	No					
	aste accepted onto your site that was gene					No					
Licenced annual	of waste accepted onto your  EWC code	Source of waste accepted		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	waste	
site (total tonnes/annum)			Please enter an	reporting year (tonnes)		previous year +/	from previous reporting year	waste has a packaging component	out at your site and the description of this operation	remaining on site at the end	
			description - which							of reporting	
			applies to relevant EWC code							year (tonnes)	
	European Waste Catalogue EWC codes		European Waste								
			Catalogue EWC codes								
	<del></del>										
ECTION C-TO BE	COMPLETED BY ALL WASTE FAC	LITIES (waste transfer s	ations, Composters.	Material recovery	facilities etc) EXCEPT LANDFII	LL SITES					
										ī	
s all waste processing ir	nfrastructure as required by your licence a	nd approved by the Agency in p	lace? If no please list wast	e processing infrastructu	are required onsite	Yes				4	
										Ì	
s all waste storage infra	structure as required by your licence and	approved by the Agency in plac	e? If no please list waste st	orage infrastructure req	uired on site	Yes				1	
loes your facility have r	relevant nuisance controls in place?					Yes				I	
o you have an odour n o you maintain a sludg	nanagement system in place for your facili se register on site?	ty? If no why?				Yes N/A				+	
			•							_	
SECTION D-10 BE	COMPLETED BY LANDFILL SITES	ONLY									
	a and tannaga landfill only		<u>.</u>								
apie 2 Waste typ	e and tonnage-landfill only				1						
abié z Waste typ	e and tonnage-landfill only		Remaining licensed		]						
Waste types permitted	Authorised/licenced annual intake for	Actual intake for disposal in	Remaining licensed capacity at end of								
Table 2 Waste typ  Waste types permitted for disposal		Actual intake for disposal in reporting year (tpa)		Comments							
Waste types permitted	Authorised/licenced annual intake for	Actual intake for disposal in reporting year (tpa)	capacity at end of	Comments							
Waste types permitted	Authorised/licenced annual intake for	Actual intake for disposal in reporting year (tpa)	capacity at end of	Comments							
Waste types permitted for disposal	Authorised/licenced annual intake for	Actual intake for disposal in reporting year (tpa)	capacity at end of	Comments							
Waste types permitted for disposal	Authorised/licenced annual intake for disposal (tpa)	Actual intake for disposal in reporting year (tpa)	capacity at end of	Comments							L
Waste types permitted for disposal	Authorised licenced annual intake for disposal (tpa)	reporting year (tpa)	capacity at end of reporting year (m3)	Comments			I have a second			Total disposal area occupied	Lined disposal area occupied by
Waste types permitted for disposal	Authorised/licenced annual intake for disposal (tpa)	Actual intake for disposal in reporting year (tpa)  Date landfilling ceased	capacity at end of	Comments  Private or Public Operated	Inert or non-hazardous	Predicted date to cease landfilling	Licence permits asbestos	Is there a separate cell for asbeston?	Accepted asbestos in reporting year		
Waste types permitted for disposal	Authorised licenced annual intake for disposal (tpa)	reporting year (tpa)	capacity at end of reporting year (m3)		lacrt or non-hazardous		Licence permits asbestos	Is there a separate cell for adoctor?		area occupied by waste	area occupied by waste
Waste types permitted for disposal  Table 3 General in  Area ID	Authorised licenced annual intake for disposal (tpa)	reporting year (tpa)	capacity at end of reporting year (m3)		Inert or non-hazardous		Licence permits asbestos	Is there a separate cell for adoestor?		area occupied	area occupied by
Waste types permitted for disposal  Table 3 General in  Area ID	Authorised licenced annual intake for disposal (tpa)  formation-Landfill only  Date landfilling commenced	reporting year (tpa)	capacity at end of reporting year (m3)		lacet or non-hazardous		Licence permits asbestos	Is there a separate cell for asbestoo?		area occupied by waste	area occupied by waste
Waste types permitted for disposal  Table 3 General in  Area ID  Cell 8  Table 4 Environme	Authorised licenced annual intake for disposal (tpa)  formation-Landfill only  Date landfilling commenced	reporting year (tpa)	capacity at end of reporting year (m3)		Inert or non-hazardous		Licence permits asbectss	Is there a separate cell for adoestoo?		area occupied by waste	area occupied by waste
Waste types permitted for disposal  Table 3 General in  Area ID  Cell 8  Table 4 Environment Vas meterological	Authorised licenced annual intake for disposal (tpa)  formation-Landfill only  Date landfilling commenced	reporting year (tpa)	capacity at end of reporting year (m3)  Currently landfilling		Inert or non-hazardous	cease landfilling	asbestos  Has the statement	Is there a separate cell for asbeston?		area occupied by waste	area occupied by waste
Waste types permitted for disposal  Table 3 General in  Area ID  Cell 8  Table 4 Environm  Was meterological monitoring in compilation with	Authorised licenced annual intake for disposal (tpa)  formation-Landfill only  Date instituting commenced	reporting year (Ipa)  Date landfilling ceased  Landfill Manual Monitoring Sta	capacity at end of reporting year (m3)  Currently landfilling  Currently landfilling  Was SV monitored in commitment with LD	Operated		cease landfilling  Was topography of the site	asbestos  Has the statement under \$\$3(A)(5) of WMA been	Is there a separate cell for askestor?		area occupied by waste	area occupied by waste
Waste types permitted for disposal  Table 3 General in  Area ID  Cell 8  Table 4 Environme Was metrological monitoring in the continuous monitoring in the case of the	Authorized licenced annual intake for disposal (tgs)  formation-Landfill only  Date landfilling commenced  ental monitoring-landfill only  Was fractute monitored in compilance	reporting year (Ipa)  Date landfilling ceased  Landfill Manual-Monitoring State  Was Landfill Gas monitored in compliance with LD	capacity at end of reporting year (m3)  Currently landfilling  Currently landfilling  Was SW monitored in		Were emission limit values agreed	cease landfilling	Has the statement under SS3(A)(5) of WMA been submitted in	Is there a separate cell for asbeston?		area occupied by waste	area occupied by waste
Waste types permitted for disposal  Fable 3 General in  Area ID  Table 4 Environmen Was netwering an amount of the compliance with a compl	Authorized licenced annual intake for disposal (sps)  formation-Landfill only  Date landfilling commenced  ental monitoring-landfill only  Was leached monitoring in compliance with LD standard in reporting year	reporting year (Ipa)  Date landfilling ceased  Landfill Manual-Monitoring State  Was Landfill Consmitted in compliance with LD standard in reporting year	capacity at end of reporting year (m3)  Currently landfilling  Currently landfilling  was SW monitored in compliance with LD  standard in reporting	Operated  Have GW trigger		was topography of the site surveyed in	asbestos  Has the statement under \$\$3(A)(5) of WMA been	for asbestos?		area occupied by waste	area occupied by waste
Waste types permitted for disposal  Table 3 General in  Area ID  Cell 8  Table 4 Environm Was meterological monitoring in compliance with Landfill Directive amonglance with general permitting year +  * please refer to Landfil	Authorised licenced annual intake for disposal (tpa)  formation-Landfill only  Date landfilling commenced  Date landfilling commenced  was leached monitoring-landfill only  Was leached monitored in compliance with LD standard in reporting year  Manual linked above for relevant Landfill	reporting year (Ipa)  Date landfilling ceased  Landfill Manual-Monitoring State  Was Landfill Consmitted in compliance with LD standard in reporting year	capacity at end of reporting year (m3)  Currently landfilling  Currently landfilling  was SW monitored in compliance with LD  standard in reporting	Operated  Have GW trigger	Were emission limit values agreed	was topography of the site surveyed in	Has the statement under SS3(A)(5) of WMA been submitted in	for asbestos?		area occupied by waste	area occupied by waste
Waste types permitted for disposal  Table 3 General in  Area ID  Cell 8  Table 4 Environm  Was meterological monitoring in compliance with Landfull Directive compliance with experting year +  **please refer to Landful  **please refer to	Authorised licenced annual intake for disposal (tpa)  formation-Landfill only  Date landfilling commenced  Date landfilling commenced  was leached monitoring-landfill only  Was leached monitored in compliance with LD standard in reporting year  Manual linked above for relevant Landfill	reporting year (Ipa)  Date landfilling ceased  Landfill Manual-Monitoring State  Was Landfill Consmitted in compliance with LD standard in reporting year	capacity at end of reporting year (m3)  Currently landfilling  Currently landfilling  was SW monitored in compliance with LD  standard in reporting	Operated  Have GW trigger levels been established.	Were emission limit values agreed	was topography of the site surveyed in	Has the statement under SS3(A)(5) of WMA been submitted in	for asbestos?		area occupied by waste	area occupied by waste
Waste types permitted for disposal  Fable 3 General in  Area ID  Table 4 Environmm Was meterological compliance with candill Directive LD) standard in yearting to the candill Directive LD) standard in Yearting to the candill Table 5 Capping-Li  Fable 5 Capping-Li	Authorised licenced annual intake for disposal (spa)  formation-Landfill only  Date landfilling commenced  ental monitoring-landfill only  Was leached monitored in compliance with LD standard in reporting year  thansal linked above for relevant Landfill only	reporting year (Ipa)  Date landfilling ceased  Landfill Manual-Monitoring State  Was Landfill Consmitted in compliance with LD standard in reporting year	capacity at end of reporting year (m3)  Currently landfilling  Currently landfilling  was SW monitored in compliance with LD  standard in reporting	Operated  Have GW trigger levels been established	Were emission limit values agreed	was topography of the site surveyed in	Has the statement under SS3(A)(5) of WMA been submitted in	for asbestos?		area occupied by waste	area occupied by waste
Waste type penalted for disposal   Area ID  Area ID  Area ID  Area ID  Area ID  Justice 4 Environment   Same transplant   Area ID  Area Incapped*	Authorised licenced annual intake for disposal (tpa)  formation-Landfill only  Date landfilling commenced  Date landfilling commenced  was leached monitoring-landfill only  Was leached monitored in compliance with LD standard in reporting year  Manual linked above for relevant Landfill	Date landfilling ceased  Date landfilling ceased  Landfil Manual-Monitoring Statument of the Committee of th	capacity at end of reporting year (m3)  Currently landfilling  Currently landfilling  Was SW monitored in compliance with LD standard in reporting year.	Operated  Have GW trigger levels been established  Area with waste that should be permanently	Were entroise limit values agreed with the Agency (ELVs)	was topography of the site surveyed in reporting year	Has the statement under SS3(A)(5) of WMA been submitted in	for asbestos?		area occupied by waste	area occupied by waste
Waste types permitted for disposal  Fable 3 General in  Area ID  Cell 8  Table 4 Environm Was meterological monitoring in compliance with another breathing in the compliance with a small interest with a small interest with a small interest with a small interest with a small inte	Authorised Record annual intake for disposal (tpa)  formation-Landfill only  Date landfilling commenced  ental monitoring-landfill only  Was leachate monitored in compliance with LD standard in reporting year  Il Manual iniced above for relevant Landfill only  Area with temporary cap  SELECT UNIT	reporting year (ipa)  Date landfilling ceased  Landfill Manual Monitoring State  Was Landfill Gas monitored in compliance with LD standard in reporting year  Directive monitoring standard	capacity at end of reporting year (m3)  Currently landfilling  Currently landfilling  was SW monitored in compliance with LD  standard in reporting	Operated  Have GW trigger levels been established  Area with waste that should be permanently	Were emission limit values agreed	was topography of the site surveyed in reporting year	Has the statement under SS3(A)(5) of WMA been submitted in	for asbestos?		area occupied by waste	area occupied by waste
Vade types permitted for dispand  Area ID  Area	Authorized licenced annual intake for disposal (spa)  formation-Landfill only  Date landfilling commenced  Date landfilling commenced  ental monitoring-landfill only  Was leached monitored in compliance with LD standard in reporting year  Manual intend above for relevant Landfill only  Area with temporary cap  SELECT UNIT  es days cover area	Date landfilling ceased  Date landfilling ceased  Landfil Manual-Monitoring Statument of the Committee of th	capacity at end of reporting year (m3)  Currently landfilling  Currently landfilling  Was SW monitored in compliance with LD standard in reporting year.	Operated  Have GW trigger levels been established  Area with waste that should be permanently	Were entroise limit values agreed with the Agency (ELVs)	was topography of the site surveyed in reporting year	Has the statement under SS3(A)(5) of WMA been submitted in	for asbestos?		area occupied by waste	area occupied by waste
Wate types permitted for disposal for dispos	Authorized licenced annual intake for disposal (spa)  formation-Landfill only  Date landfilling commenced  Date landfilling commenced  annual monitoring-landfill only  Was leachate monitored in compliance with LD standard in reporting year  Manual intend above for relevant Landfill only  Area with temporary cap  SELECT UNIT  es days cover area  andfill only  was Waster Waster Treatment Play  es days cover area  andfill only	Date landfilling ceased  Date landfilling ceased  Landfill Manual Monitoring State  Was Landfill Gas monitored in compilance with LD  dandard in epot and and a cap to LD  Nambard in 2 bis, a	capacity at end of reporting year (m3)  Currently landfilling  Currently landfilling  Was SW monitored in compilance with LD standard in reporting year  Area capped other	Operated  Have GW trigger levels been established  Area with waste that should be permanently	Were entroise limit values agreed with the Agency (ELVs)	was topography of the site surveyed in reporting year  Comments	Has the statement under SS3(A)(5) of WMA been submitted in	for asbestos?		area occupied by waste	area occupied by waste
Waste types permitted for disposal  Fable 3 General in  Area ID  Fable 4 Environme Was meterological compliance with Laundfill Directive LD) standard in reporting year  - please refer to Landfill  Fable 5 Capping-La  Area uncapped*  Area uncapped*  Fable 5 Leachate from your sit succlud  Fable 6 Leachate from your sit succlud	Authorised licenced annual intake for disposal (tpa)  formation-Landfill only  Date landfilling commenced  ental monitoring-landfill only  Was leachate monitored in compilance with LD attacked in reporting year  Natural linked above for relevant Landfill only  Area with temperary cap  SELECTURIT  SELECTURIT  and fill only	Date landfilling ceased  Date landfilling ceased  Landfill Manual Monitoring State  Was Landfill Gas monitored in compilance with LD  dandard in epot and and a cap to LD  Nambard in 2 bis, a	capacity at end of reporting year (m3)  Currently landfilling  Currently landfilling  Was SW monitored in compilance with LD standard in reporting year  Area capped other	Operated  Have GW trigger levels been established  Area with waste that should be permanently	Were entroise limit values agreed with the Agency (ELVs)	was topography of the site surveyed in reporting year	Has the statement under SS3(A)(5) of WMA been submitted in	for asbestos?		area occupied by waste	area occupied by waste
Waste types permitted for disposal  Table 3 General in  Area ID  Table 4 Environme  Table 6 Environme  Table 6 Environme  Table 7 Environme  Table 7 Environme  Table 7 Environme  Table 8 Environme  Area unaded in reporting year  Area unapped*  Palease note this includ  Table 6 Leachate  Table 5 Leachate  SELECT UNIT  Please note this includ  Table 6 Leachate  Seachate from pour 8 is seachate from pour 9 is seac	Authorized licenced annual intake for disposal (spa)  formation-Landfill only  Date landfilling commenced  Date landfilling commenced  annual monitoring-landfill only  Was leachate monitored in compliance with LD standard in reporting year  Manual intend above for relevant Landfill only  Area with temporary cap  SELECT UNIT  es days cover area  andfill only  was Waster Waster Treatment Play  es days cover area  andfill only	Date landfilling ceased  Date landfilling ceased  Landfill Manual Monitoring State  Was Landfill Gas monitored in compliance with LD  standard in repeting year  Directive monitoring standard  Area with final cap to LD  Standard in 12 bis, a	capacity at end of reporting year (m3)  Currently landfilling  Currently landfilling  Was SW monitored in compliance with LD learned in reporting year.  Area capped other	Operated  Have GW trigger levels been established  Area with waste that should be permanently ecapped in the capped for the ca	Were entroise limit values agreed with the Agency (ELVs)	was topography of the site surveyed in reporting year  Comments  SELECT  SELECT  Specify type of	Has the statement under SS3(A)(5) of WMA been submitted in	for asbestos?		area occupied by waste	area occupied by waste
Waste types permitted for disposal  Table 3 General in  Area ID  Table 4 Environme Was meterological monitoring in the capture of the capture	Authorized licenced annual intake for disposal (spa)  formation-Landfill only  Date landfilling commenced  Date landfilling commenced  annual monitoring-landfill only  Was leachate monitored in compliance with LD standard in reporting year  Manual intend above for relevant Landfill only  Area with temporary cap  SELECT UNIT  es days cover area  andfill only  was Waster Waster Treatment Play  es days cover area  andfill only	Date landfilling ceased  Date landfilling ceased  Landfill Manual Monitoring State  Was Landfill Gas monitored in compilance with LD  dandard in epot and and a cap to LD  Nambard in 2 bis, a	capacity at end of reporting year (m3)  Currently landfilling  Currently landfilling  Was SW monitored in compilance with LD standard in reporting year  Area capped other	Operated  Have GW trigger levels been established  Area with waste that should be permanently	Were entroise limit values agreed with the Agency (ELVs)	was topography of the site was repeated by the site of the site comments  SILECT SILECT	Has the statement under SS3(A)(5) of WMA been submitted in	for asbestos?		area occupied by waste	area occupied by waste
Waste types permitted for disposal  Fable 3 General in  Area ID  Area ID  Fable 4 Environme  Waster of the Compliance with amonitoring in compliance with a compliance with a please refer to Landfi Table 5 Capping-Li  Area uncapped*  Area uncapped*  SELECT UNIT  Piesase note this includ Table 6 Leachate representation in compliance with a complian	Authorised licenced annual intake for disposal (tpa)  formation-Landfill only  Date landfilling commenced  ental monitoring-landfill only  Was leachate monitored in compilance with LD attacked in reporting year  Namual linked above for relevant Landfill only  Area with temperary cap  SELECTURIT  andfill only  be teated in a Waste Water Treatment Pla  surface water? if yes please complete leach and the properties of the pro	Date landfilling ceased  Date landfilling ceased  Landfill Manual-Monitoring Str Was Landfill Can monitored in complaince with LD standard in reporting year  Directive monitoring standard  Area with final cap to LD Standard m2 ha. a	capacity at end of reporting year (m3)  Currently landfilling  Was SW monitored in compliance with LD standard in reporting year  Area capped other	Operated  Have GW trigger levels been established  Area with waste that should be permanently capped to date under flernee	Were emission limit values agreed with the Agency (ELVs)  What materials are used in the cap.	Was topography of the site universe in wporting year  Comments  SELECT SELECT SELECT SELECT	ashestos  Has the statement under SSA/A(S) of WMA been submitted in reporting year.	for asbestos?		area occupied by waste	area occupied by waste
Waste types permitted for disposal  Table 3 General in  Area ID  Area ID  Table 4 Environme Was neterological monitoring in complaince with Landfill Directive reporting year + please refer to Landfil Table 5 Capping-L1  Area uncapped* SELECT UNIT  *please note this includ Table 6 Leachate-I' secanting from your sits include to include the complaint of the compl	Authorized licenced annual intake for disposal (tgs)  Authorized licenced annual intake for disposal (tgs)  Date landfilling commenced  Date landfilling commenced  Part landfilling commenced in compliance with LD standard in reporting year  If Manual inteed above for relevant Landfill only  SELECT UNIT  et day cover area  andfill only  The control of the complete lase.  Leachate (BOD) mass load (lag'annua)  Leachate (BOD) mass load (lag'annua)	Date landfilling ceased  Date landfilling ceased  Landfill Manual-Monitoring State  Was Landfill Gas monitored in compilance with LD  standard in reporting year  Directive monitoring standard  Area with final cap to LD  Standard m2 ha, a	capacity at end of reporting year (m3)  Currently landfilling  Currently landfilling  Was SW monitored in compliance with LD attandard in reporting year  Area capped other  Leachate (NH4) mass load (by anoman)	Operated  Have GW trigger fevels been established  Area with waste that should be permanently capped to due under licence  Leachate (Chloride) mass load hg/annum	Were eniodon limit values agreed with the Agency (ELVe)  What materials are used in the cap  Leachate treatment on-site	Was topography of the site universe in wporting year  Comments  SELECT SELECT SELECT SELECT	ashestos  Has the statement under SSA/A(S) of WMA been submitted in reporting year.	for asbestos?		area occupied by waste	area occupied by waste
Waste types permitted for disposal  Table 3 General in  Area ID  Table 4 Environme Was meterological monitoring in the case of the committee o	Authorized licenced annual intake for disposal (tgs)  Authorized licenced annual intake for disposal (tgs)  Date landfilling commenced  Date landfilling commenced  Part landfilling commenced in compliance with LD standard in reporting year  If Manual inteed above for relevant Landfill only  SELECT UNIT  et day cover area  andfill only  The control of the complete lase.  Leachate (BOD) mass load (lag'annua)  Leachate (BOD) mass load (lag'annua)	Date landfilling ceased  Date landfilling ceased  Landfill Manual-Monitoring State  Was Landfill Gas monitored in compilance with LD  standard in reporting year  Directive monitoring standard  Area with final cap to LD  Standard m2 ha, a	capacity at end of reporting year (m3)  Currently landfilling  Currently landfilling  Was SW monitored in compliance with LD attandard in reporting year  Area capped other  Leachate (NH4) mass load (by anoman)	Operated  Have GW trigger fevels been established  Area with waste that should be permanently capped to due under licence  Leachate (Chloride) mass load hg/annum	Were eniodon limit values agreed with the Agency (ELVe)  What materials are used in the cap  Leachate treatment on-site	Was topography of the site universe in wporting year  Comments  SELECT SELECT SELECT SELECT	ashestos  Has the statement under SSA/A(S) of WMA been submitted in reporting year.	for asbestos?		area occupied by waste	area occupied by waste
Waste types permitted for disposal  Table 3 General in  Area ID  Area ID  Table 4 Environme Was neterological monitoring in complaince with Landfill Directive reporting year + please refer to Landfil Table 5 Capping-L1  Area uncapped* SELECT UNIT  *please note this includ Table 6 Leachate-I' secanting from your sits include to include the complaint of the compl	Authorized licenced annual intake for disposal (tgs)  Authorized licenced annual intake for disposal (tgs)  Date landfilling commenced  Date landfilling commenced  Part landfilling commenced in compliance with LD standard in reporting year  If Manual inteed above for relevant Landfill only  SELECT UNIT  et day cover area  andfill only  The control of the complete lase.  Leachate (BOD) mass load (lag'annua)  Leachate (BOD) mass load (lag'annua)	Date landfilling ceased  Date landfilling ceased  Landfill Manual-Monitoring State  Was Landfill Gas monitored in compilance with LD  standard in reporting year  Directive monitoring standard  Area with final cap to LD  Standard m2 ha, a	capacity at end of reporting year (m3)  Currently landfilling  Currently landfilling  Was SW monitored in compliance with LD attandard in reporting year  Area capped other  Leachate (NH4) mass load (by anoman)	Operated  Have GW trigger fevels been established  Area with waste that should be permanently capped to due under licence  Leachate (Chloride) mass load hg/annum	Were eniodon limit values agreed with the Agency (ELVe)  What materials are used in the cap  Leachate treatment on-site	Was topography of the site universe in wporting year  Comments  SELECT SELECT SELECT SELECT	ashestos  Has the statement under SSA/A(S) of WMA been submitted in reporting year.	for asbestos?		area occupied by waste	area occupied by waste
Waste types permitted for disposal for dispo	Authorized licenced annual intake for disposal (tgs)  Authorized licenced annual intake for disposal (tgs)  Date landfilling commenced  Date landfilling commenced  Part landfilling commenced in compliance with LD standard in reporting year  If Manual inteed above for relevant Landfill only  SELECT UNIT  et day cover area  andfill only  The control of the complete lase.  Leachate (BOD) mass load (lag'annua)  Leachate (BOD) mass load (lag'annua)	Date landfilling ceased  Date landfilling ceased  Landfill Manual-Monitoring State  Was Landfill Gas monitored in compilance with LD  standard in reporting year  Directive monitoring standard  Area with final cap to LD  Standard m2 ha, a	capacity at end of reporting year (m3)  Currently landfilling  Currently landfilling  Was SW monitored in compilance with LD year  year  Area capped other.	Operated  Have GW trigger fevels been established  Area with waste that should be permanently capped to due under licence  Leachate (Chloride) mass load hg/annum	Were eniodon limit values agreed with the Agency (ELVe)  What materials are used in the cap  Leachate treatment on-site	Was topography of the site universe in wporting year  Comments  SELECT SELECT SELECT SELECT	ashestos  Has the statement under SSA/A(S) of WMA been submitted in reporting year.	for asbestos?		area occupied by waste	area occupied by waste
Instit types permitted for disposal solution of the disposal solution o	Authorized licenced annual intake for disposal (tgs)  Authorized licenced annual intake for disposal (tgs)  Date landfilling commenced  Date landfilling commenced  Part landfilling commenced in compliance with LD standard in reporting year  If Manual inteed above for relevant Landfill only  SELECT UNIT  et day cover area  andfill only  The control of the complete lase.  Leachate (BOD) mass load (lag'annua)  Leachate (BOD) mass load (lag'annua)	Date landfilling ceased  Date landfilling ceased  Landfill Manual-Monitoring State  Was Landfill Gas monitored in compilance with LD  standard in reporting year  Directive monitoring standard  Area with final cap to LD  Standard m2 ha, a	capacity at end of reporting year (m3)  Currently landfilling  Currently landfilling  Was SW monitored in compliance with LD  andards  Area capped other  Leschate (NH4) mass load (hg/amman)  Leschate (NH4) mass load (hg/amman)	Operated  Have GW trigger fevels been established  Area with waste that should be permanently capped to due under licence  Leachate (Chloride) mass load hg/annum	Were eniodon limit values agreed with the Agency (ELVe)  What materials are used in the cap  Leachate treatment on-site	Was topography of the site universe in wporting year  Comments  SELECT SELECT SELECT SELECT	ashestos  Has the statement under SSA/A(S) of WMA been submitted in reporting year.	for asbestos?		area occupied by waste	area occupied by waste
aste types permitted for deposal and the depos	Authorized licenced annual intake for disposal (tga)  formation-Landfill only  Date landfilling commenced  Date landfilling commenced  Part landfilling commenced  and monitoring-landfill only  Was leachate monitored in compliance with LD standard in reporting year  Il Manual inteed above for relevant Landfil only  SELECT UNIT  es dayly cover area  andfill only  SELECT WATE  Landfill only  Please ensure that all efformation reports Landfill only  Please ensure that all efformation reports Landfill only	Date landfilling ceased  Date landfilling ceased  Landfill Manual-Monitoring State  Was Landfill Gas monitored in compilance with LD  standard in reporting year  Directive monitoring standard  Area with final cap to LD  Standard m2 ha, a	capacity at end of reporting year (m3)  Currently landfilling  Currently landfilling  Was SW monitored in compliance with LD standard in reporting year.  Area capped wher  Leachair (NI4) mass land (kg/annum)  Consistent with the Landfilling  Was surface emissions.	Operated  Have GW trigger fevels been established  Area with waste that should be permanently capped to due under licence  Leachate (Chloride) mass load hg/annum	Were eniodon limit values agreed with the Agency (ELVe)  What materials are used in the cap  Leachate treatment on-site	Was topography of the site universe in wporting year  Comments  SELECT SELECT SELECT SELECT	ashestos  Has the statement under SSA/A(S) of WMA been submitted in reporting year.	for asbestos?		area occupied by waste	area occupied by waste

WASTE SUMMARY
SECTION A-PRTR ON SITE WAS



| PRTR# : W0281 | Facility Name : Limerick Gasworks | Filename : W0281\_2016 PRTR .xlsx | Return Year : 2016 |

**Guidance to completing the PRTR workbook** 

# **PRTR Returns Workbook**

# REFERENCE YEAR 2016

1. FACILITY IDENTIFICATION	
Parent Company Name	Gas Networks Ireland
Facility Name	Limerick Gasworks
PRTR Identification Number	W0281
Licence Number	W0281-01

#### Classes of Activity

	No.	class_name
- Refer to PRTR class activities below	-	Refer to PRTR class activities below

Address 1	Dock Road
Address 2	
Address 3	
Address 4	Limerick
	Limerick
Country	
	-8.63683394652.65887613
River Basin District	
NACE Code	
	Remediation activities and other waste management services
AER Returns Contact Name	
AER Returns Contact Email Address	
	Ervia Project Manager for Limerick Gasworks Remediation Project
AER Returns Contact Telephone Number	
AER Returns Contact Mobile Phone Number	
AER Returns Contact Fax Number	
Production Volume	
Production Volume Units	
Number of Installations	1
Number of Operating Hours in Year	
Number of Employees	6
User Feedback/Comments	
Web Address	

#### 2 PRTR CLASS ACTIVITIES

2.1 KTK GEAGG ACTIVITIES								
	Activity Number	Activity Name						
	5(a)	Installations for the recovery or disposal of hazardous waste						

## 3. SOLVENTS REGULATIONS (S.I. No. 543 of 2002)

0. 00212110 K20021110110 (0111 NO. 010 01 2002)	
Is it applicable? No	<del>1</del> 0
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 onsite treatment (either recovery or disposal activities) ?

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

31/03/2017 16:35

4.3 RELEASES TO WASTEWATER OR SEWER

Link to previous years emissions data

| PRTR# : W0281 | Facility Name : Limerick Gasworks | Filename : W0281\_2016 PRTR .xlsx | Return \

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## **SECTION A: PRTR POLLUTANTS**

OFFSITE TRA	NSFER OF POLLUTANTS DESTINED FOR WASTE-W				Please enter all quantities in this section in KGs					
POLLUTANT			METH	IOD	QUANTITY					
			M	ethod Used						
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	Α	(Accidental) KG/Year	F (Fugitive) KG	/Year
				·	0.0		0.0	0.0		0.0

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

## SECTION B : REMAINING POLLUTANT EMISSIONS (as required in your Licence)

OLUTION D : NEMANTING I OLLUTANI EMIO	orono (ao regamea in your Elochoc)					_				
OFFSITE TRAI	Please enter all quantities in this section in KGs									
POLLUTANT			METHO	D	QUANTITY					
			Method Used							
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	P	A (Accidental) KG/Year	F (Fugitive) KG/	/ear
					0.0		0.0	0.0		0.0

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

SECTION A: SECTOR SPECIFIC PRTR POLLUTANTS

Data on ambient monitoring of storm/surface water or groundwater, conducted as part of your licence requirements, should NOT be submitted under AER / PRTR Reporting as the

		Please enter all quantities in this section in KGs								
PC	POLLUTANT			QUANTITY						
				Method Used						
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		
					0.	0.	0.0	0.0		

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

Link to previous years emissions data

## **SECTION B: REMAINING PRTR POLLUTANTS**

RELEASES TO WATERS				Please enter all quantities in this section in KGs								
POLLUTANT			QUANTITY									
				Method Used								
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				
					0	.0	0.0 0.	0.0				

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

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

		RELEASES TO WATERS		Please enter all quantities in this section in KGs							
	POLLUTANT					QUANTITY					
					Method Used						
	Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year		
Т						0.0	0.0	0.0	0.0		

## **SECTION A: SECTOR SPECIFIC PRTR POLLUTANTS**

		Please enter all quantities in this section in KGs								
POLLUTANT			N	IETHOD			QUANT	QUANTITY		
				Method Used						
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accid	dental) KG/Year	F (Fugitive) KG/Year	
					0.0		0.0	0.0	0.0	

<sup>\*</sup> Select a row by double-clicking on the Pollutant 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			ME	THOD	QUANTITY					
				Method Used						
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		
					0.0	)	0.0	0.0		

<sup>\*</sup> Select a row by double-clicking on the Pollutant 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			ME	THOD	QUANTITY				
				Method Used					
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year	
					0.0	)	0.0	0.0	

<sup>\*</sup> 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 Gases, landfill operators are requested to provide summary data on landfill gas (Methane) flared or utilised on their facilities to accompany the figures for total methane generated. Operators should only report their Net methane (CH4) emission to the environment under T(total) KGlyr for Section A: Sector specific PRTR pollutants above. Please complete the table below:

Landfill: Limerick Gasworks

Landini.	HETEK CASWORKS								
Please enter summary data on the quantities of methane flared and / or utilised			Meth	nod Used					
				Designation or	Facility Total Capacity				
	T (Total) kg/Year	M/C/E	Method Code	Description	m3 per hour				
Total estimated methane generation (as per									
site model)	0.0				N/A				
Methane flared	0.0					(Total Flaring Capacity)			
Methane utilised in engine/s	0.0				0.0	(Total Utilising Capacity)			
Net methane emission (as reported in Section									
A above)	0.0				N/A				

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Please enter all quantities on this sheet in Tonnes										

Please enter all quantities on this shee													4
				Quantity (Tonnes per Year)				Method Used		Haz Waste: Name and Licence/Permit No of Next Destination Facility Non Haz Waste: Name and Licence/Permit No of Recover/Disposer		Name and License / Permit No. and Address of Final Recoverer / Disposer (HAZARDOUS WASTE ONLY)	
						Waste							
		European Waste				Treatment			Location of				
-	<b>Fransfer Destination</b>	Code	Hazardous		Description of Waste	Operation	M/C/E	Method Used	Treatment				
										Civic Amenity Weighed			
										Weighed Vehicles			
	MRF Limerick (GES),W0082- Dock Road, Co. Limerick,-												
٧	Vithin the Country	20 03 01	No	0.302	mixed municipal waste	D1	M	Weighed	Offsite in Ireland	03	,Ireland		
	•									Thomas O'Neill,WFP LK	Derreen, Castleconnell, -, Co.		
٧	Vithin the Country	20 01 38	No	0.48	wood other than that mentioned in 20 01 37	R3	M	Weighed	Offsite in Ireland	2012 05B R1	Limerick, Ireland		

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4.4 RELEASES TO LAND

Link to previous years emissions data

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## SECTION A : PRTR POLLUTANTS

	RELEASES TO LAND	Please enter all quantities in this section in KGs							
POLLUTANT			METHO	D			Q	UANTITY	
			Meth	nod Used					
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	Α	(Accidental) K	(G/Year
					0.	0	0.0		0.0

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

SECTION B: REMAINING POLLUTANT EMISSIONS (as required in your Licence)

	REL		Please enter all quant	ties in this section in K	(Gs			
POLLUTANT			ı	METHOD		QUANTITY	QUANTITY	
			Method Used					
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG	G/Year
						0.0	0.0	0.0

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