Facility Information Summary

AER Reporting Year Licence Register Number Name of site

Site Location
NACE Code
Class/Classes of Activity
National Grid Reference (6E, 6 N)

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

2013

W0196-01

MacAnulty Specialist Underground Services Limited.
John F. Kennedy Industrial Estate, Johnb F. Kennedy Road, Naas
Road, Dublin 12

3821

3.7, 3.11, 3.12, 3.13, 4.13, 4.3, 4.4, 4.6, 4.8

53.3279 6.35314

Enva Ireland is located in JFK Road, Naas Road, Dublin 12. This site is licenced since 2004. Waste activities carried out on site include the storage of waste for onward movement and the processing of oily waters and waste waters. The activities for the site have remained the same for 2013 as for 2012. The quantities of waste per EWC code has fluctuated as expected due to the range of EWC codes which the site accepts within a reporting year. There has been no changes in infrastructure and no exceedances of licence limits. There was one non compliance when a visit occurred on 29/07/2013 and IBCs were placed on the yard when a curtain sided vehicle was being unloaded instead of being transferred to storage area which was bunded. Please refer to the relevant parts of this document to view individual reporting areas.

Declaration:

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

Signature Group/Facility manager

(or nominated, suitably qualified and experienced deputy)

Date

from

Annual mass

Method of analysis load (kg)

SELECT

SELECT

SELECT

SELECT

previous

applicable

year if

	AIR-summary template	Lic No:	W0196-01	Year		2013
1	Answer all questions and complete all tables where relevant 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			Additional information		
	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	f No				
3	Was all monitoring carried out in accordance with EPA guidance note AG2 and using the basic air monitoring checklist? checklist AGN2	SELECT		NA		
	Table A1: Licensed Mass Emissions/Ambient data-periodic monitoring (non-continuous)					
						Comments - reason for change in % mass load

Unit of

SELECT

SELECT

SELECT

SELECT

Measured value measurement

Compliant with

licence limit

SELECT

SELECT

SELECT

SELECT

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

SELECT

SELECT

SELECT

SELECT

Parameter/ Substance Frequency of Monitoring

Emission

reference no:

ELV in licence or

Licence Compliance criteria

SELECT

SELECT

SELECT

SELECT

any revision

	AIR-summary template	Lic No:	W0196-01	Year	2013
	Continuous Monitoring				
4	Does your site carry out continuous air emissions monitoring?	SELECT			
	If yes please review your continuous monitoring data and report the required fields below in Table A2 and compare it to its relevant Emission Limit Value (ELV)				
5	Did continuous monitoring equipment experience downtime? If yes please record downtime in table A2 below	SELECT			
6	Do 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			

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							reporting year	
		any revision therof								
	SELECT			SELECT	SELECT					
	SELECT				SELECT					
	SELECT				SELECT					
	SELECT				SELECT					
	SELECT				SELECT					

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

Table A3: Abatement system bypass reporting table

В١	/p	as	SI	or	ot	o	co

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

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

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

AIR-summar	ry template				Lic No:	W0196-01		Year	2013
Solve	ent use and manageme	ent on site							
Do you have a t	otal Emission Limit Value of d	lirect and fugitive emi	ssions on site? if ye	s please fill out tables A4 and A5			No		
	lvent Management Pla mission limit value	an Summary	<u>Solvent</u> <u>regulations</u>	Please refer to linked solver complete table 5	-				
Reporting yea	r Total solvent input on site (kg)	Total VOC emissions to Air from entire site (direct and fugitive)		Total Emission Limit Value (ELV) in licence or any revision therof	Compliance				
					SELECT				
Table A	.5: Solvent Mass Balan	co cummary			SELECT				
Table A	S. Solvent Wass Balan	Ce summary							
	(I) Inputs (kg)			(0)	Outputs (kg)				
Solvent	(I) Inputs (kg)	Organic solvent emission in waste	Solvents lost in water (kg)	Collected waste solvent (kg)	Fugitive Organic Solvent (kg)		Solvents destroyed onsite through	Total emission of Solvent to air (kg)	
							T-1-1		
							Total		

AER Monito	ring returns summa	ary template-WATER	R/WASTEWATE	R(SEWER)		Lic No:	W0196-01		Year	2013									
1 complete table	W2 and W3 below for ave licenced emissions	ns direct to surface water r the current reporting y s you <u>only</u> need to comp nalysis and visual inspe	ear and answer fu lete table W1 and	rther questions.	Yes	Additional info	rmation												
2 discharges summa	or watercourses on or rising only any eviden	nce to carry out visual in near your site? If yes place of contamination not	ease complete tab	le W2 below	No														
Tab	le W1 Storm water	monitoring									T								
Location reference	Location relative to site activities	PRTR Parameter	Licenced Parameter	Monitoring date	ELV or trigger level in licence or any revision thereof*	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Comments									
SW1	onsite	SELECT	pH	05/12/2013		Quarterly				Value Of The Yaer Qouted									
SW1		Section		25/03/2013		Quarterly Sample, Highest Value Of The Vac Optude N/A mg/L yes Here						Sample, Highest 5.35 Value Of The Yaer Qouted							
SW1	onsite		BOD	05/12/2014			41.5			Quarterly Sample, Highest Value Of The Yaer Qouted									
SW1	onsite		COD	05/12/2014		N/A mg/L yes Herr Quarte Sample, H Value Of Yaer Qo					Quarterly nple, Highest alue Of The aer Qouted								
SW1	onsite		Suspended Solids	05/12/2014	5000	N/A	1200	mg/L	yes	Here Quarterly Sample, Highest Value Of The Yaer Qouted									
*tripper values	onsite may be agreed by the As	ency outside of licence co	Mineral oils			All values < ELV	l	μg/L	yes	Here	I								
	,,			e only enter de	etails where contaminati	on was observed.													
Location Reference	Date of inspection		Description	of contamination		Source of contamination SELECT	Corrective act	tion	Comm	nents									
						SELECT					I								
	ny result in breach of lice	nd /or wastewater(s ence requirements? If yes ent section of Table W3 bo	please provide brie		on-continuous)	Additional info	rmation												
Was all monitoring carried out in accordance with EPA guidance and checklists for Quality of Aqueous Monitoring Data Reported External /Internal to the EPA? If no please detail what areas require improvement Lab Quality. 4 in additional information box checklist results checklist results checklist for the CPA?																			
Table W3: Li	censed Emissions t	o water and /or was	stewater (sewe	r)-periodic mo	nitoring (non-continuous)													
					5, 1 11 111														
												Proced edu							
Emission		Parameter/		Frequency of					Unit of	Compliant with		referen refe ce ence	Annual mass load						
reference no:	Emission released to Wastewater/Sewer	SubstanceNote 1	Type of sample composite	monitoring Daily	Averaging period Monthly	ELV or trigger values in licence or any revision therof ^{Note 2} 240	Licence Compliance criteria All values < ELV	Measured value 146.71	measurement mg/L	licence SELECT	Method of analysis SELECT	SELECT	(kg)	Comments					
D5	Wastewater/Sewer	BOD	composite	Daily	Monthly	800	All values < ELV	80.3	mg/L	JELECT	JEECI	JEEECI							
D6	Wastewater/Sewer	Suspended Solids	composite	Daily	Monthly	800 All values < ELV 118 mg/L													
D7	Wastewater/Sewer	Sulphate Zinc and compounds (as	composite	Daily	Monthly	1000 All values < ELV 22.3 mg/L													
D8	Wastewater/Sewer	Zinc and compounds (as	composite	Daily	Monthly	5	5 All values < ELV 0.1 mg/L							i					

5

All values < ELV

0.09

mg/L

Wastewater/Sewer Copper and compounds (as Cu)

Daily

composite

Monthly

D9

D10	Wastewater/Sewer	рН	composite	Daily	Monthly	10	All values < ELV	8.25	pH units			
D11	Wastewater/Sewer	Temperature	composite	Daily	Monthly	42	All values < ELV	23.1	degrees C			
D12	Wastewater/Sewer	Mineral oils	composite	Daily	Monthly	10	All values < ELV	2.34	mg/L			
D13	Wastewater/Sewer	Detergents (as MBAS)	composite	Daily	Monthly	100	All values < ELV	4.42	mg/L			
D14	Wastewater/Sewer	Toluene	composite	Daily	Monthly	1	All values < ELV	0.125	mg/L			
D15	Wastewater/Sewer	volumetric flow	composite	Daily	Monthly	180	All values < ELV	156	m3/day			
D16	Wastewater/Sewer	Xylenes	composite	Daily	Monthly	1	All values < ELV	0.186	mg/L			

AER Monitor	ing returns summ	ary template-WATER	R/WASTEWATER	R(SEWER)		Lic No:		W0196-01		Year	2013	3
Continuous r	nonitoring						Additional Infor		•			
	•						Additional Infor	rmation		7		
5 Does your site c	arry out continuous em	issions to water/sewer m	onitoring?		No							
If ves please sur	nmarise vour continuo	us monitoring data below	in Table W4 and co	ompare it to its						=		
	n Limit Value (ELV)	g data below										
										٦		
	nonitoring equipment e	experience downtime? If y	es piease record do	wntime in table								
W4 below					No					_		
7 Do you have a pr	oactive service contrac	t for each piece of continu	uous monitoring equ	ipment on site?								
					Yes							
8 Did abatement s	ystem bypass occur du	ring the reporting year? If	yes please complete	table W5 below	SELECT							
Table WA: Su	ımmarıı of average	e emissions -continu	ous monitoring		SEECI							
1 abie W4. 30	iiiiiiai y Ol avelagi	e emissions -commu	ous monitoring									
			ELV or trigger						% change +/- from			
			values in licence						previous reporting		Number of ELV	
Emission				Averaging				Annual Emission for current	vear	Equipment	exceedences in	
reference no:	Emission released to	Parameter/ Substance		Period	Compliance Criteria	Units of measurement		reporting year (kg)		downtime (hours)		Comments
	SELECT	SELECT		SELECT	SELECT		SELECT			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	.,	
	SELECT	SELECT		SELECT	SELECT		SELECT					

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

Table W5: Abatement system bypass reporting table

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

^{*}Measures taken or proposed to reduce or limit bypass frequency

Bund/Pipeline test	ing template				Lic No:	W0196-01		Year	2013	1				
Bund testing		dropdown menu cl	ick to see options				Additional information							
	→ r licence to undertake in	ntegrity testing on bunds and contai	·	ase fill out table B1 below li	sting all new bunds and									
		Il bunds which failed the integrity te				e								
table below, please inclu	ude all bunds outside th	ne licenced testing period (mobile bu	unds and chemstore included)		Yes								
Please provide integrity	testing frequency perio	d				3 years								
		erground pipelines (including stormy	water and foul). Tanks, sumps	and containers? (containe	rs refers to "Chemstore"									
type units and mobile bu						Yes								
How many bunds are on	site?						5							
		hin the required test schedule?					5							
How many mobile bunds							0							
Are the mobile bunds in			1-2			No	0							
now many or these mod now many sumps on site		sted within the required test schedu	ier				0							
		within the test schedule?					0							
Please list any sump into							0	=						
Do all sumps and chamb						N/A								
		d in a maintenance and testing progr	ramme?			N/A								
s the Fire Water Retent	ion Pond included in yo	ur integrity test programme?				N/A								
				-										
Tab	le B1: Summary details	of bund /containment structure inte	egrity test											_
														Results
									Integrity reports					retest(
Bund/Containment									maintained on		Integrity test failure		Scheduled date	
structure ID	Туре	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	reportir
	1 250 - 4400	nt rule as detailed in your licence					Commentary							
Has integrity testing bee	en carried out in accorda	ance with licence requirements and	are all structures tested in				Commentary							
line with BS8007/EPA Gu				bunding and storage guide	ines	Yes								
		inment systems tested?				No								
Are channels/transfer sy	ystems compliant in bot	h integrity and available volume?				No								
Dipolino/undorgro	ound structure testing													
ripellile/ulldergio	unu structure testing													
Are you required by you	r licence to undertake in	ntegrity testing* on underground str	ructures e.g. pipelines or sum	ps etc ? if yes please fill ou	table 2 below listing all									
underground structures	and pipelines on site w	hich failed the integrity test and all	which have not been tested v	withing the integrity test pe	eriod as specified	No								
Please provide integrity						SELECT	Not applicable	_						
*please note integrity te	esting means water tight	tness testing for process and foul pi	pelines (as required under yo	ur licence)										
T-1-1-	D3. Communication of	f pipeline/underground structures in		٦										
rable	BZ: Summary details of	pipeline/underground structures in	itegrity test									1		
				T										
				Type of secondary containment										
				Containment				Integrity test	_					
0			Does this structure have			Integrity reports	a 11 61 1	failure explanation		Scheduled date	Results of retest(if in current			
Structure ID	Type system SELECT	Material of construction: SELECT	Secondary containment? SELECT	SELECT	Type integrity testing SELECT	maintained on site? SELECT	Results of test SELECT	<50 words	taken	for retest	reporting year) SELECT	A		
	JEEEC1	SEECI	SEECI	JEECI	SELECT	JEECT	JEECI				JEECI	A .		
												1		
												il .		
						t e						ā		
							_							
		Please use comm	nentary for additional details	not answered by tables/ qu	estions above									

Groundwater/Soil monitoring template	Lic No:	W0196-01	Year	2013	
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	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
2 Are you required to carry out soil monitoring as part of your licence requirements?	no	in the interpretation box below or if you require additional space
3 Do you extract groundwater for use on site? If yes please specify use in comment section	no	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 4 such as 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. Template Report (link in cell G8) and submit separately through ALDER as a licensee return AND answer questions 5-12 below.	no	
5 Is the contamination related to operations at the facility (either current and/or historic)	N/A	
6 Have actions been taken to address contamination issues? If yes please summarise remediation		
strategies proposed/undertaken for the site	N/A	
7 Please specify the proposed time frame for the remediation strategy	N/A	
8 Is there a licence condition to carry out/update ELRA for the site?	yes	
9 Has any type of risk assesment been carried out for the site?	no	
10 Has a Conceptual Site Model been developed for the site?	no	Please find attached at the end of this workbook (final
11 Have potential receptors been identified on and off site?	no	tab) called groundwater. This provides results for 2013 and
12 Is there evidence that contamination is migrating offsite?	no	amethadology of how samples are collected

Table 1: Upgradient Groundwater monitoring results

- 40.0 2. 0	Braulent G.	ounawater n	ionitoring results						
Date of sampling	Sample location reference	Parameter/ Substance		Monitoring frequency	Maximum Concentration++	Average Concentration+	unit	GTV's*	Upward trend in pollutant concentration over last 5 years of monitoring data

^{.+} where average indicates arithmetic mean

Table 2: Downgradient Groundwater monitoring results

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

	ter/Soil mor	nitoring templ	ate		Lic No:	W0196-01		Year	2013		 J
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 5 years 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 results 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.										
	e indicates that fu	urther interpretation	n of monitoring results is requi	red. In addition to cor	npleting the above table	e, please complete th	e Groundwater Monitoring	Grou	ndwater monito	ring template	
for a substand	e indicates that fu Guideline Temp on on the use of s	urther interpretation late Report at the li soil and groundwate	n of monitoring results is requi	red. In addition to cor itely through ALDER a nt criteria (GAC) and	npleting the above table s a licensee return or as	e, please complete the otherwise instructed	e Groundwater Monitoring				

Groundwater/Soil monitoring template Lic No:	W0196-01	Year 20	13
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Table 3: Soil results

Date of sampling	Sample 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: W0196-01 Year	W0196-01 Year 2013
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Click here to access EPA guidance on Environmental Liabilities and Financial provision

			Commentary
1	ELRA initial agreement status	Submitted and agreed by EPA	
2	ELRA review status	SELECT	No changes to document
3	Amount of Financial Provision cover required as determined by the latest ELRA	20,500	
4	Financial Provision for ELRA status	Required but not submitted	
5	Financial Provision for ELRA - amount of cover	to be determined	
6	Financial Provision for ELRA - type	SELECT	To be determined
7	Financial provision for ELRA expiry date	Enter expiry date	To be determined
8	Closure plan initial agreement status	losure plan submitted and agreed by EF	PA .
9	Closure plan review status	Review required and completed	No changes to document
10	Financial Provision for Closure status	Required but not submitted	
11	Financial Provision for Closure - amount of cover	20,700	
12	Financial Provision for Closure - type	SELECT	To be determined
13	Financial provision for Closure expiry date	Enter expiry date	To be determined

١	Environmental Management Programme/Continuous Improvement Programme	template	Lic No:	W0196-01	Year	2013
	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	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					
3	with the licence requirements	Yes				
	Do you maintain an environmental documentation/communication system to inform the public on					
4	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				
	Improve yard surface		Review yard integrity,						
	integrity -Seal cracks in		identify areas which need		Increased compliance with				
Groundwater protection	surface.	10	replacement/repair.	Section Head	licence conditions				
			Develop a documented						
	Improve yard surface		check of yard integrity and a						
	integrity -Seal cracks in		system for recording of		Increased compliance with				
Groundwater protection	surface.	0	repairs/improvements made	Section Head	licence conditions				

Noise monitoring summary report	Lic No:	W0196-01	Year 2013
1 Was noise monitoring a licence requirement for the AER period? If yes please fill in table N1 noise summary below		Yes]
2 Was noise monitoring carried out using the EPA Guidance note, including completion of the "Checklist for noise measurement report" included in the guidance note as table 6?	Noise Guidance note NG4	Yes	
3 Does your site have a noise reduction plan		No	
4 When was the noise reduction plan last updated?		not applicable	
Have there been changes relevant to site noise emissions (e.g. plant or operational changes) since t survey?	he last noise	No	

Table N1: Noi	se monitoring su	ımmary									
Date of monitoring	Time period	Noise location (on site)	Noise sensitive location -NSL (if applicable)	LA_{eq}	LA ₉₀	LA ₁₀	LA _{max}	Tonal or Impulsive noise* (Y/N)	If tonal /impulsive noise was identified was 5dB penalty applied?	Comments (ex. main noise sources on site, & extraneous noise ex. road traffic)	Is <u>site</u> compliant with noise limits (day/evening/night)?
05/09/2013	13.15	NB1		53	46	55	61	No	SELECT		Yes
05/09/2013	13.45	NB1		52	45	54	60	No			Yes
05/09/2013	14.15	NB1		52	46	55	60	No			Yes
05/09/2013	13.41	NB2		50	47	52	58	No			Yes
05/09/2013	14.14	NB2		51	58	52	58	No			Yes
05/09/2013	14.46	NB2		53	49	56	58	No			Yes
05/09/2013		NB3		46	43	48	51	No			Yes
05/09/2013				47	44	48	56				Yes
05/09/2013				51	47	51	60				Yes
05/09/2013	1			64	57	61	76				Yes
05/09/2013				66		67	77				Yes
05/09/2013				64	57	61	75				Yes
03/09/2013		NSL 1		59	53		69				Yes
03/09/2013		NSL 1		61	54	64	70				Yes
03/09/2013		NSL 1		58		61	66	,			Yes
03/09/2013	1	NSL 1		52	49	53		No			Yes
03/09/2013	23.3	NSL 1		53	49	54	60	No			Yes
1		ĺ									

^{*}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
	1
** please explain the reason for not taking action/resolution of noise issues?	
Any additional comments? (less than 200 words)	

Not applicable

Additional information

Year

2013

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

> Industry Energy Network (LIEN)

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

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

	where rue on is used in bollers on site is the sulphur compilant with licence conditions? Please state percentage in additional
3	information

Table R1 Energy usage on	site				
			Production +/- %	Energy	
			compared to	Consumption +/- %	
			previous reporting	vs overall site	
Energy Use	Previous year	Current year	year**	production*	
Total Energy Used (MWHrs)	69349	103670			INVOICES ELECTRIC
Total Energy Generated (MWHrs)	NA	NA	NA	NA	
Total Renewable Energy Generated (MWHrs)	NA	NA	NA	NA	
Electricity Consumption (MWHrs)	69349	103670			
Fossil Fuels Consumption:					
Heavy Fuel Oil (m3)	NA	NA	NA	NA	
Light Fuel Oil (m3)	1.5	1.5	0	1.5	INVOICES GREEN DIESEL
Natural gas (m3)	NA	NA	NA	NA	
Coal/Solid fuel (metric tonnes)	NA	NA	NA	NA	
Peat (metric tonnes)	NA	NA	NA	NA	
Renewable Biomass	NA	NA	NA	NA	
Renewable energy generated on site	NA	NA	NA	NA	

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

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

Table R2 Water usage on	site				Water Emissions		
						Volume used i.e not	
			Production +/- % Energy			discharged to	
			compared to	Consumption +/- %	Volume Discharged	environment e.g.	
	Water extracted	Water extracted previous reporting vs overall site		vs overall site	back to	released as steam	
Water use	Previous year m3/yr.	Current year m3/yr.	year**	production*	environment(m ³ yr):	m3/yr	Unaccounted for Water:
Groundwater	0	0	0	0	0	0	
Surface water	0	0	0	0	0	0	
Public supply	89.404 m3	102.844 m3	13.45%		102.844	0	0
Recycled water	0	0	0	0	0	0	0
Total							

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

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

Table R3 Waste Stream Sum	mary				
	Total	Landfill	Incineration	Recycled	Other
Hazardous (Tonnes)	5380.84				5380.84
Non-Hazardous (Tonnes)	20051.28				20051.28

0

Resource Usage/Energy efficiency summary Lic No: W0196-01 Year 2013

Table R4: Energy Audit								
Date of audit	Recommendations	Description of Measures proposed		Predicted energy	Implementation date	Responsibility		Status and comments
Sacc of data.	necommendations	measures proposed	SELECT	Savings /c	imprementation date	nesponsibility	completion date	Comments
			SELECT					
			SELECT					

Table R5: Power Generation: Where power is generated onsite (e.g. power generation facilities/food and drink industry)please complete the following information

	Unit ID	Unit ID	Unit ID	Unit ID	Station Total		
Technology	NA	NA	NA	NA	NA		
Primary Fuel	NA	NA	NA	NA	NA		
Thermal Efficiency	NA	NA	NA	NA	NA		
Unit Date of Commission	NA	NA	NA	NA	NA		
Total Starts for year	NA	NA	NA	NA	NA		
Total Running Time	NA	NA	NA	NA	NA		
Total Electricity Generated (GWH)	NA	NA	NA	NA	NA		
House Load (GWH)	NA	NA	NA	NA	NA		
KWH per Litre of Process Water	NA	NA	NA	NA	NA		
KWH per Litre of Total Water used on Site	NA	NA	NA	NA	NA		

_							
	Complaints and Incidents summary template		Lic No:	W0196-01	Year	2013	
	Complaints						
			Additional information	=			
	Have you received any environmental complaints in the current reporting year? If yes please complete summar	CELECT					

Table	1 Complaints summary						
			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		Ī
	SELECT				SELECT		
Total complaints open at start of reporting year Total new							
complaints							
received during							
reporting year							
Total complaints							
closed during							
reporting year							
Balance of							
complaints end of							
reporting year	1						

	Incident	.		
		Additional information		
		Additional information		
Have any incidents occurred on site in the current repor	ents for current reporting			
year in Tab	le 2 below	1	Yes	
*For information on how to report and what constitutes				
an incident	What is an incident			

year
Total number of incidents previous year
% reduction/ increase

Table 2 Incidents sun	Table 2 Incidents summary													
						Other	Activity in				Preventative			
			Incident category*please			cause(please	progress at time			Corrective action<20	action <20		Resolution	Likelihood of
Date of occurrence	Incident nature	Location of occurrence	refer to guidance	Receptor	Cause of incident	specify)	of incident	Communication	Occurrence	words	words	Resolution status	date	reoccurence
29/07/2013	Other(please specify)	Other location (please specifi	1. Minor	Water	Operational controls		Normal activities	EPA	New	IBCs were moved off o	Operator putti	Complete		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														

WASTE SUMMARY
Lic No: W0196-01 Year 2013

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

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

Were any wastes accepted onto your site for recovery or disposal or treatment prior to recovery or disposal within the boundaries of your facility ?; (waste generated within your boundaries is

1 to be captured through PRTR reporting)
If yes please enter details in table 1 below

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

Yes

Additional Information

Was waste accepted onto your site that was generated outside the Republic of Ireland? If yes please state the quantity in tonnes in additional information

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

Linemand annual	EWC code	Source of waste accepted	Description of waste		Oversity of wests assessed in	Reduction/	Decree for	Declaring Content (9()	Disposal/Recovery or	Quantity of	Comments -
Licenced annual	EWC code	Source of waste accepted		Quantity of waste	Quantity of waste accepted in		Reason for	Packaging Content (%)-			Comments -
tonnage limit for your			accepted	accepted in current	previous reporting year (tonnes)	Increase over	reduction/increase	only applies if the	treatment operation carried out	waste	
site (total			Please enter an	reporting year (tonnes)		previous year +/ -	from previous	waste has a packaging	at your site and the description	remaining on	
tonnes/annum)			accurate and detailed			%	reporting year	component	of this operation	site at the end	
			description - which							of reporting	
			applies to relevant EWC							year (tonnes)	
			code								
	European Waste Catalogue EWC codes		European Waste								
			Catalogue EWC codes								
		02-WASTES FROM									
		AGRICULTURE,									
		HORTICULTURE,							D9-Physico-Chemical treatment		
		AQUACULTURE, FORESTRY,					Changes in the		not specified elsewhere which		
		HUNTING AND FISHING, FOOD					range of jobs which		results in fial compounds or		
		PREPARATION AND					took place between		mixtures wheich are discarded		
	02 07 01	PROCESSING	Circ Makes	9.04	17.84	400/	2012 7 2013	NA			
	02 07 01		Fire Water	9.04	17.84	-49%	2012 / 2013	INA	by means D1 to D12	1	
		02-WASTES FROM						1			
		AGRICULTURE,									
		HORTICULTURE,				ĺ		1	D9-Physico-Chemical treatment		
		AQUACULTURE, FORESTRY,					Changes in the		not specified elsewhere which		
		HUNTING AND FISHING, FOOD					range of jobs which		results in fial compounds or		
		PREPARATION AND					took place between		mixtures wheich are discarded		
	02 07 04	PROCESSING	Process Effluent	30.08	0.68	4324%	2012 7 2013	NA	by means D1 to D12		
									D9-Physico-Chemical treatment		
							Changes in the		not specified elsewhere which		
							range of jobs which		results in fial compounds or		
		10- WASTES FROM THERMAL					took place between		mixtures wheich are discarded		
	10 01 26	PROCESSES	Cooling Water/Sludge	210.8	60.18	250%	2012 7 2013	NA	by means D1 to D12		
									D9-Physico-Chemical treatment		
		13- OIL WASTES AND WASTES					Changes in the		not specified elsewhere which		
		OF LIQUID FUELS (except					range of jobs which		results in fial compounds or		
		edible oils, and those in					took place between		mixtures wheich are discarded		
	13 01 13*	chapters 05, 12 and 19)	Waste Oil	0.1	0	100%	2012 7 2013	NA	by means D1 to D12		
	15 01 15	chapters 05, 12 and 15)	Waste Oil	0.1		10070	2012 7 2013		by means bi to biz		
									D9-Physico-Chemical treatment		
1		13- OIL WASTES AND WASTES				ĺ	Changes in the	1	not specified elsewhere which		
							range of jobs which	1	results in fial compounds or		
		OF LIQUID FUELS (except						1			
	12.02.04*	edible oils, and those in	Masta Oil	74.0	****	200/	took place between	l _{NIA}	mixtures wheich are discarded	10.00	
1	13 02 04*	chapters 05, 12 and 19)	Waste Oil	71.3	116.14	-39%	2012 7 2013	NA	by means D1 to D12	10.65	
								1			
						ĺ		1	D9-Physico-Chemical treatment		
	13 02 08*	13- OIL WASTES AND WASTES	Waste Oil				Changes in the	1	not specified elsewhere which		
1		OF LIQUID FUELS (except				ĺ	range of jobs which	1	results in fial compounds or		
		edible oils, and those in				ĺ	took place between	1	mixtures wheich are discarded		
1		chapters 05, 12 and 19)		26.87	0	100%	2012 7 2013	NA	by means D1 to D12		
								1	D9-Physico-Chemical treatment		
1	42.05.04*	13- OIL WASTES AND WASTES	l-4			ĺ	Changes in the	1	not specified elsewhere which		
1	13 05 01*	OF LIQUID FUELS (except	Interceptor Waste			ĺ	range of jobs which	1	results in fial compounds or		
		edible oils, and those in				ĺ	took place between	1	mixtures wheich are discarded		
		chapters 05, 12 and 19)		11.14	14.24	-22%	2012 7 2013	NA	by means D1 to D12		
1	L	Chapters 05, 12 und 15)		11.14	14.24	-22/0	1-016 / 2013	1	07		

WASTE SUMMARY					Lic No:	W0196-01		Year	2013		
	13 05 02*	13- OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19)	Oily Water	21.98	58.2	-62%	Changes in the range of jobs which took place between 2012 7 2013	NA	D9-Physico-Chemical treatment not specified elsewhere which results in fial compounds or mixtures wheich are discarded by means D1 to D12		
	13 05 03*	13- OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19)	Oily Water	338.61	554.279	-39%	Changes in the range of jobs which took place between 2012 7 2013	NA	D9-Physico-Chemical treatment not specified elsewhere which results in fial compounds or mixtures wheich are discarded by means D1 to D12		
	13 05 06*	13- OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19)	Oily Water/Interceptor Waste	30.85	66.23	-53%	Changes in the range of jobs which took place between 2012 7 2013	NA	D9-Physico-Chemical treatment not specified elsewhere which results in fial compounds or mixtures wheich are discarded by means D1 to D12		
	13 05 07*	13- OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19)	Oily Water/Interceptor Waste	2376.41	2785.485	-15%	Changes in the range of jobs which took place between 2012 7 2013	NA	D9-Physico-Chemical treatment not specified elsewhere which results in fial compounds or mixtures wheich are discarded by means D1 to D12		
	13 05 08*	13- OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19)	Interceptor Waste	35.04	214.74	-84%	Changes in the range of jobs which took place between 2012 7 2013	NA	D9-Physico-Chemical treatment not specified elsewhere which results in fial compounds or mixtures wheich are discarded by means D1 to D12		
	13 07 01°	13- OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19)	Waste Oils	5.62	73.36	-92%	Changes in the range of jobs which took place between 2012 7 2013	NA	D9-Physico-Chemical treatment not specified elsewhere which results in fial compounds or mixtures wheich are discarded by means D1 to D12		
	13 07 02*	13- OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19)	Oily Water	9.04	0	100%	Changes in the range of jobs which took place between 2012 7 2013	NA	D9-Physico-Chemical treatment not specified elsewhere which results in fial compounds or mixtures wheich are discarded by means D1 to D12		
	13 07 03*	13- OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19)	Oily Water	55.38	90.89	-39%	Changes in the range of jobs which took place between 2012 7 2013	NA	D9-Physico-Chemical treatment not specified elsewhere which results in fial compounds or mixtures wheich are discarded by means D1 to D12		
	13 07 05*	13- OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19)	Oily Water	17.88	0	#DIV/0!	Changes in the range of jobs which took place between 2012 7 2013	NA	D9-Physico-Chemical treatment not specified elsewhere which results in fial compounds or mixtures wheich are discarded by means D1 to D12		
	13 08 02*	13- OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19)	Oily Water	1460.01	1205.025	21%	Changes in the range of jobs which took place between 2012 7 2013	NA	D9-Physico-Chemical treatment not specified elsewhere which results in fial compounds or mixtures wheich are discarded by means D1 to D12	147.76	
	16 01 05	16- WASTES NOT OTHERWISE SPECIFIED IN THE LIST	Water/Antifreeze	7.00	0	100%	Changes in the range of jobs which took place between 2012 7 2013	NA	D9-Physico-Chemical treatment not specified elsewhere which results in fial compounds or mixtures wheich are discarded by means D1 to D12		
	16 07 09*	16- WASTES NOT OTHERWISE SPECIFIED IN THE LIST	Oily Water/Antifreeze	7.48	4.6	63%	Changes in the range of jobs which took place between 2012 7 2013	NA	D9-Physico-Chemical treatment not specified elsewhere which results in fial compounds or mixtures wheich are discarded by means D1 to D12		

WASTE SUMMARY					Lic No:	W0196-01		Year	2013		
	16 10 01*	16- WASTES NOT OTHERWISE SPECIFIED IN THE LIST	Aquos Waste	229.38	12.7	1706%	Changes in the range of jobs which took place between 2012 7 2013	NA	D9-Physico-Chemical treatment not specified elsewhere which results in fial compounds or mixtures wheich are discarded by means D1 to D12		
	16 10 02*	16- WASTES NOT OTHERWISE SPECIFIED IN THE LIST	Aqueos Waste	193.30	791.32		Changes in the range of jobs which took place between 2012 7 2013	NA	D9-Physico-Chemical treatment not specified elsewhere which results in fial compounds or mixtures wheich are discarded by means D1 to D12		
	17 02 04	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Contaminated Wood	28.40	50.92	-44%	Changes in the range of jobs which took place between 2012 7 2013	NA	D9-Physico-Chemical treatment not specified elsewhere which results in fial compounds or mixtures wheich are discarded by means D1 to D12	15.24	
	19 07 03	19- WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE	Leachate	19,245.18	11198.65	72%	Changes in the range of jobs which took place between 2012 7 2013	NA	D9-Physico-Chemical treatment not specified elsewhere which results in fial compounds or mixtures wheich are discarded by means D1 to D12		
	19 09 05	19- WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE	Process Effluent	40.14		#DIV/0!	Changes in the range of jobs which took place between 2012 7 2013	NA NA	D9-Physico-Chemical treatment not specified elsewhere which results in fial compounds or mixtures wheich are discarded by means D1 to D12		
	20 01 25	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Grease	52.66	28.56		Changes in the range of jobs which took place between 2012 7 2013	NΔ	D9-Physico-Chemical treatment not specified elsewhere which results in fial compounds or mixtures wheich are discarded by means D1 to D12	13.47	
	20 03 03	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Sand/Silt	0.86	3.1		Changes in the range of jobs which took place between 2012 7 2013	NA NA	D9-Physico-Chemical treatment not specified elsewhere which results in fial compounds or mixtures wheich are discarded by means D1 to D12		
	20 03 04	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Sewage	9.02			Changes in the range of jobs which took place between 2012 7 2013	NA	D9-Physico-Chemical treatment not specified elsewhere which results in fial compounds or mixtures wheich are discarded by means D1 to D12		
	20 03 06	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Sewage	446.50	290.685	54%	Changes in the range of jobs which took place between 2012 7 2013	NA	D9-Physico-Chemical treatment not specified elsewhere which results in fial compounds or mixtures wheich are discarded by means D1 to D12		
35400in tota	13 05 07*	13- OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19)	Interceptor Waste	3.27		100%	Changes in the range of jobs which took place between 2012 7 2013	NA	D9-Physico-Chemical treatment not specified elsewhere which results in fial compounds or mixtures wheich are discarded by means D1 to D12		

5 is all waste storage infrastructure as required by your licence and approved by the Agency in place? If no please list waste storage infrastructure required on site 4	WASTE SUMMARY				Lic No:	W0196-01		Year	2013			
S is all waste storage infrastructure as required by your licence and approved by the Agency in place? If no please list waste storage infrastructure required on site Yes No	SECTION C-TO BE COMPLETED BY ALL WASTE FA	CILITIES (waste transfer stat	ions, Composters, M	aterial recovery fac	cilities etc) EXCEPT LANDFILL SI	TES						_
S is all waste storage infrastructure as required by your licence and approved by the Agency in place? If no please list waste storage infrastructure required on site Ves												
Section D-To BE Completed by your licence and approved by the Agency in place? If no please list waste storage infrastructure required on site Ves. No. No. Section D-To BE Completed by LANDFILL SITES ONLY Table 2 Waste type and tonnage-landfill only Waste types permitted Authorised disposal (Ipa) Properting year (Ipa) Area ID Date landfilling commenced Date landfilling commenced Date landfilling cased Currently landfilling Private or Public Operated Inaert or non-huzardous Predicted date to Operated Predicted date to General information-Landfill only Table 2 Market speed and for asbestion? Inaert or non-huzardous Predicted date to General information-Landfilling commenced Accepted asbestos in reporting area cocupied by waste waste Section 1. Licence permits asbestos. Inaert or non-huzardous Predicted date to General information-Landfilling Accepted asbestos in reporting area cocupied by waste waste Section 1. Licence permits asbestos. Inaert or non-huzardous Predicted date to General information-Landfilling Section 1. Licence permits asbestos. Section 1. Licence permits area occupied by avance waste waste area occupied by avance waste waste area occupied by avance wa												
Section Date and dour management system in place for your facility? If no why? Section Date and dour management system in place for your facility? If no why? Section Date and formation a sludge register on site? Section Date and fill only Waste types permitted Authorised/licenced annual intake for disposal in reporting year (tips) From the second disposal (tips) Actual intake for disposal in reporting year (tips) Table 3 General information-Landfill only Area ID Date landfilling commenced Date landfilling commenced Date landfilling caseed Currently landfilling Private or Public Operated Inert or non-hazardous Predicted date to case landfilling Licence permits Is there a separate cell for asbestos? SELECT UNIT SE	4 Is all waste processing infrastructure as required by your licence and approved by the Agency in place? If no please list waste processing infrastructure required onsite											
Does your facility have relevant nuisance controls in place? Do you have an odour management system in place for your facility? If no why? Does your facility as subgregation of the place for your facility? If no why? SECTION D-TO BE COMPLETED BY LANDFILL SITES ONLY Table 2 Waste type and tonnage-landfill only Waste types permitted Authorised/licenced annual intake for disposal in reporting year (tpa) Provided as General information-Landfill only Table 3 General information-Landfill only Area ID Date landfilling commenced Date landfilling cessed Currently landfilling Currently landfilling Private or Public Operated Intert or non-hazardous Predicted date to case landfilling Licence permits asbestos? Is there a separate cell for asbestos? Accepted asbestos in reporting waste waste waste Valid disposal figures as cacquied by waste waste Vision (No.) No.) No.) Date landfilling commenced Date landfilling cessed (Part) First a separate cell for asbestos? Fredicted date to case landfilling asbestos? Fredicted asbestos in reporting year in various case landfilling asbestos? ELECT UNIT SELECT UNIT S												
Do you maintain a sludge register on site? Section D-To Be Complete Day Landfill only	Is all waste storage infrastructure as required by your licence an	d approved by the Agency in place?	If no please list waste stora	ge infrastructure required	d on site	Yes						
SECTION D-TO BE COMPLETED BY LANDFILL SITES ONLY Table 2 Waste type and tonnage-landfill only Waste types permitted for disposal (tpa)												
SECTION D-TO BE COMPLETED BY LANDFILL SITES ONLY Table 2 Waste type and tonnage-landfill only Waste types permitted for disposal (pa) Authorised/licenced annual intake for disposal in reporting year (tpa) reporting year (ma) Comments Table 3 General information-Landfill only Area ID Date landfilling commenced Date landfilling commenced Date landfilling ceased Currently landfilling Private or Public Operated Inert or non-hazardous Predicted date to cease landfilling labeled in cease landfilling abeletos Licence permits asbestos? Accepted asbestos in reporting vear area occupied by waste SELECT UNIT SELECT U		ility? If no why?										
Table 2 Waste type and tonnage-landfill only Waste types permitted for disposal (tpa) Table 3 General information-Landfill only Area ID Date landfilling commenced Date landfilling commenced Date landfilling ceased Currently landfilling Currently landfilling Private or Public Operated Inert or non-hazardous Predicted date to cease landfilling assestos Predicted date to cease landfilling Licence permits assestos? Licence permits assestos? Accepted assestos in reporting year (waster) waster Waste types permitted Authorised/licenced annual intake for disposal in reporting year (m3) Comments #NAME? #INAME? Lined disposal area occupied by waster Waste types permitted Authorised/licenced annual intake for disposal in reporting year (m3) Fredicted date to cease landfilling assestors? Licence permits assestos? Lined disposal area occupied by waster			1							_		
Waste types permitted for disposal disposal (tpa) Table 3 General information-Landfilling commenced Date landfilling commenced Date landfilling ceased Currently landfilling Departed Private or Public Operated Inert or non-hazardous Predicted date to case landfilling Licence permits asbestos Is there a separate cell for asbestos? Accepted asbestos in reporting waste Waste types permitted authorised/licenced annual intake for disposal in reporting year (m3) Comments #NAME? #NAME? Total disposal area occupied by waste Vaste or Public Operated Unling SELECT UNIT SELECT UNI		ONLY										
Waste types permitted for disposal (tpa) Actual intake for disposal in reporting year (tpa) r	Table 2 waste type and tonnage-landfill only				1							
Waste types permitted for disposal (tpa) Actual intake for disposal in reporting year (tpa) r												
for disposal (tpa) reporting year (tpa) reporting year (m3) Comments #NAME?	Waste types permitted Authorised/licenced annual intake for	Actual intake for disposal in										
Area ID Date landfilling commenced Date landfilling cased Date landfilling cased Currently landfilling Private or Public Operated Inert or non-hazardous Predicted date to cease landfilling assestos Predicted date to cease landfilling landfilling Accepted assestos in reporting waste Total disposal area occupied by waste Value SELECT UNIT SE	for disposal disposal (tpa)	reporting year (tpa)	reporting year (m3)	Comments					#NAME?			
Area ID Date landfilling commenced Date landfilling cased Date landfilling cased Currently landfilling Private or Public Operated Inert or non-hazardous Predicted date to crease landfilling asbestos Is there a separate cell for asbestos? Accepted asbestos in reporting year Total disposal area occupied by waste area occupied by waste SELECT UNIT SELECT U												
Area ID Date landfilling commenced Date landfilling cased Currently landfilling Private or Public Operated Inert or non-hazardous Predicted date to cease landfilling Licence permits asbestos Is there a separate cell for asbestos? Accepted asbestos in reporting year Total disposal area occupied by waste area occupied by waste SELECT UNIT SELE												
Area ID Date landfilling commenced Date landfilling cased Date landfilling cased Currently landfilling Private or Public Operated Inert or non-hazardous Predicted date to cease landfilling assestos Predicted date to cease landfilling Licence permits assestos Is there a separate cell for asbestos? Accepted asbestos in reporting year Total disposal area occupied by waste waste Valiend Spead SELECT UNIT			<u>l</u>	<u>l</u>	1							
Area ID Date landfilling commenced Date landfilling ceased Currently landfilling Private or Public Operated Inert or non-hazardous Predicted date to cease landfilling asbestos Is there a separate cell for asbestos? Is there a separate cell for asbestos? Accepted asbestos in reporting year waste waste waste waste Valled as per occupied by waste wa	Table 3 General information-Landfill only											
Area ID Date landfilling commenced Date landfilling ceased Currently landfilling Derivate or Public Operated Inert or non-hazardous Predicted date to cease landfilling assests Is there a separate cell for asbestos? Is there a separate cell for asbestos? Accepted assestos in reporting waste waste waste												
Operated cease landfilling asbestos for asbestos? year SELECT UNIT SELECT UNIT SEL	Area ID Date landfilling commenced	Date landfilling ceased	Currently landfilling		Inert or non-hazardous				Accepted asbestos in reporting			Unli
	Succession of the succession o	and an and a second	, mining	Operated	and the second	cease landfilling	asbestos	for asbestos?	year			
Cell 8										SELECT UNIT	SELECT UNIT	SELI
	Cell 8											

	1				Lic No:	W0196-01		Year	2013
able 4 Environme	ental monitoring-landfill only	Landfill Manual-Monitoring Stan	dards						_
Vas meterological nonitoring in ompliance with .andfill Directive (LD) tandard in reporting ear +	Was leachate monitored in compliance with LD standard in reporting year				Were emission limit values agreed with the Agency (ELVs)	Was topography of the site surveyed in reporting year	Has the statement under S53(A)(5) of WMA been submitted in reporting year	Comments	
+ please refer to Landfil	l Manual linked above for relevant Landfill	Directive monitoring standards							1
Table 5 Capping-La	ndfill only						=		
Area uncapped*	Area with temporary cap	Area with final cap to LD		Area with waste that should be permanently capped to date under					
SELECT UNIT	SELECT UNIT	Standard m2 ha, a	Area capped other	licence	What materials are used in the cap	Comments			
	.andfill only se treated in a Waste Water Treatment Plar surface water? If yes please complete leach					SELECT SELECT]		
is leachage released to s									
Volume of leachate in reporting year(m3)	Leachate (BOD) mass load (kg/annum)		Leachate (NH4) mass load (kg/annum)	Leachate (Chloride) mass load kg/annum	Leachate treatment on-site	Specify type of leachate treatment	Comments		
Volume of leachate in	Leachate (BOD) mass load (kg/annum)				Leachate treatment on-site	leachate	Comments		
Volume of leachate in reporting year(m3)	Please ensure that all information rep	(kg/annum)	load (kg/annum)	mass load kg/annum		leachate	Comments		
Volume of leachate in	Please ensure that all information rep	(kg/annum)	load (kg/annum)	mass load kg/annum		leachate	Comments		

Gas Captured&Treated by LFG System m3

Power generated (MW / KWh)

Used on-site or to national grid

year?

Monthly Parameters

Month	Parameter	Date sampled	Result	Carried out by
January	Visual	15/01/2013	Clear	Tom Keogh
	Conductivity (uS)		695	
February	Visual	13/02/2013	Clear	Tom Keogh
	Conductivity (uS)		638	
March	Visual	13/03/2013	Clear	Tom Keogh
	Conductivity (uS)		715	
April	Visual	22/04/2013	Clear	Tom Keogh
	Conductivity (uS)		649	
May	Visual	28/04/2013	Clear	Tom Keogh
	Conductivity (uS)		636	
June	Visual	21/06/2013	Clear	Tom Keogh
	Conductivity (uS)		724	
July	Visual	22/07/2013	Clear	Tom Keogh
	Conductivity (uS)		741	
August	Visual	29/08/2013	Clear	Tom Keogh
	Conductivity (uS)		802	
September	Visual	09/09/2013	Clear	Tom Keogh
	Conductivity (uS)		742	
October	Visual	29/10/2013	Clear	Tom Keogh
	Conductivity (uS)		761	
November	Visual	26/11/2013	Clear	Tom Keogh
	Conductivity (uS)		757	
December	Visual	02/12/2013	Cloudy	Tom Keogh
	Conductivity (uS)		652	

Quarterly monitoring	1st quarter	2nd quarter	3rd quarter	4th quarter
Date	15/01/2013	22/04/2013	29/08/2013	02/12/2013
рН	7.44	7.21	7.26	7.82
Temperature	11.4	12.3	13.3	12.4
Mineral oil (ug/l)	<10	<10	<10	<10
BTEX (ug/l)	<28	<28	<28	<28
Groundwater level	2.87	2.39	3.16	3.11
Dissolved Oxygen	3.24	3.6	3,07	4.97

Methado	logy
	Visual inspection which identifies the sample as clear or cloudy. Where
Visual Inspection/Odour	there is evident gross contamination, additional samples will be analysed.
Groundwater Level	Parameters measured on site with dip tape.
Dissolved Oxygen	Grab sample measured with a portable electronic meter. Licence
Electrical Conductivity	Grab sample measured with a portable electronic meter.
Ph	Grab sample measured with a portable electronic meter.
Temperature	Grab sample measured with a portable electronic meter.
Mineral Oil	Sent to Alcontrol Laboratories for monthly analysis
BTEX	Sent to Alcontrol Laboratories for monthly analysis



| PRTR# : W0196 | Facility Name : MacAnulty Clear Drains | Filename : Copy of W0196_2013.xls | Return Year : 2013 |

Guidance to completing the PRTR workbook

AER Returns Workbook

Licence Number	WU196-U1
Waste or IPPC Classes of Activity	
	class name
110.	outo _ numo
	Physico-chemical treatment not referred to elsewhere in this Schedule
	(including evaporation, drying and calcination) which results in final
	compounds or mixtures which are disposed of by means of any
2.7	activity referred to in paragraphs 1, to 10, of this Schedule.
3.7	Blending or mixture prior to submission to any activity referred to in a
244	preceding paragraph of this Schedule.
3.11	Repackaging prior to submission to any activity referred to in a
2.12	preceding paragraph of this Schedule.
3.12	preceding paragraph of this ochedule.
	Storage prior to submission to any activity referred to in a preceding
	paragraph of this Schedule, other than temporary storage, pending
2.42	
3.13	collection, on the premises where the waste concerned is produced.
	Character of country interests of the probability of a country in the contract of the contract
	Storage of waste intended for submission to any activity referred to in
440	a preceding paragraph of this Schedule, other than temporary storage,
	pending collection, on the premises where such waste is produced.
	Recycling or reclamation of metals and metal compounds.
	Recycling or reclamation of other inorganic materials.
	Recovery of components used for pollution abatement.
	Oil re-refining or other re-uses of oil.
	John F. Kenndy Industrial Estate John F. Kennedy Road
	Naas Road
	Dublin 12
Address 4	DUDIII 12
	Dublin
Country	
Coordinates of Location	
River Basin District	
NACE Code	
	Treatment and disposal of non-hazardous waste
AER Returns Contact Name	
AER Returns Contact Email Address	
AER Returns Contact Position	HSE & Transport Officer
AER Returns Contact Telephone Number	
AER Returns Contact Mobile Phone Number	0878164932
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	
Web Address	

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

WASTE IMPORTED/ACCEPTED ONTO SITE	Guidance on waste imported/accepted onto site
Do you import/accept waste onto your site for on-	
e treatment (either recovery or disposal activities)	
?	No
	This question is only applicable if you are an IPPC or Quarry site
	Do you import/accept waste onto your site for on- treatment (either recovery or disposal activities)

SECTION A: SECTOR SPECIFIC PRTR POLLUTANTS

RELEASES TO AIR						Please enter all quantities	in this section in KG		
POLLUTANT		METHOD				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

^{*} 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 KC	S		
	POLLUTANT		METHOD			QUANTITY			
ı				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
ì						0	0	0.0 0.	0 00

^{*} 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		METHOD			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.	0.0

^{*} 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) KG/yr for Section A: Sector specific PRTR pollutants above. Please complete the table bedyen.

Landfill: MacAnulty Clear Drains

	ease enter summary data on the nantities of methane flared and / or utilised			Meti	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)
N	Net methane emission (as reported in Section						
	A above)	0.0				N/A	

Link to previous years emissions data

| PRTR# : W0196 | Facility Name : MacAnulty Clear Drains | Filename

SECTION A: SECTOR SPECIFIC PRTR POLLUTANTS

RELEASES TO WATERS									
POI									
				Method Used					
No. Annex II	Name	M/C/E	Method Code	Designation or Description					

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

SECTION B: REMAINING PRTR POLLUTANTS

RELEASES TO WATERS								
POI	LUTANT							
				Method Used				
No. Annex II	Name	M/C/E	Method Code	Designation or Description				

^{*} 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									
PO									
				Method Used					
Pollutant No.	Name	M/C/E	Method Code	Designation or Description					

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

er, conducted as part of your licence requirements, should NOT be submitted under AER / PRTR Reporting as this only concerns Releases from your facility

Please enter all quantities in this section in KGs										
		QUA	ANTITY							
Emission Point 1	T (Total)	KG/Year A (A	ccidental) KG/Year	F (Fugitive) KG/Year						
_	0.0	0.0	0.0	0.0						

Please enter all quantities in this section in KGs										
QUANTITY										
Emission Point 1	T	(Total) KG/Year		A (Accidental) I	<g td="" year<=""><td>F (Fugitive) KG</td><td>/Year</td></g>	F (Fugitive) KG	/Year			
	0.0		0.0		0.0		0.0			

Please enter all quantities in this section in KGs										
			QUANTITY							
Emission Point 1	T (Total)	KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year						
	0.0	0.0	0.	0.0						

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SECTION A : PRTR POLLUTANTS

SECTION A: FRIR FOLLUTANIS										
	OFF	FSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATN	IENT OR S			Please enter all quantities in this section in KGs				
			ME	ETHOD Method Used			QUANTITY			
N	No. Annex II Na	ame	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year	
2	20 Co	opper and compounds (as Cu)	С	отн	Standard Methods for the examination of water and wastewater, 18th edidtion, 1995, part 4000, section 4500- Nitrogen (Amonia F Phenate Method) Standard Methods for the examination of water and wastewater, 18th edidtion, 1995, part 4000, section 4500- Nitrogen (Amonia F	4.3406	4.3406	0.0	0.0	
2	24 Zir	nc and compounds (as Zn)	С	OTH	Phenate Method)	20.6972	20.6972	0.0	0.0	

* 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)

SECTION B: REMAINING POLLUTANT EMISSIONS (as required in your Licence)											
OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATM						Please enter all quantities in this section in KGs					
		POLLUTANT		M	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		
					Standard Methods for the examination of water and wastewater, 18th edidtion,						
					1995,part 4000, section 4500- Nitrogen (Amonia F						
	306	COD	С	ОТН	Phenate Method)	31469.	2 31469.2	0.0	0.0		
					Standard Methods for the examination of water and wastewater, 18th edidtion, 1995,part 4000, section 4500- Nitrogen (Amonia F						
	240	Suspended Solids	С	ОТН	Phenate Method)	1870.	5 1870.5	0.0	0.0		
					Standard Methods for the examination of water and wastewater, 18th edidtion, 1995,part 4000, section 4500- Nitrogen (Amonia F						
	343	Sulphate	С	OTH	Phenate Method)	700.2	7 700.27	0.0	0.0		

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

			Please enter	all quantities on this sheet in Tonnes								13
			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	Haz Waste : Address of Next Destination Facility Non Haz Waste: Address of Recover/Disposer	Name and License / Permit No. and Address of Final Recoverer / Disposer (HAZARDOUS WASTE ONLY)	Actual Address of Final Destination i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY)
Transfer Destination	European Waste Code	Hazardous		Description of Waste	Waste Treatment Operation	M/C/E	Method Used	Location of Treatment				
Within the Country	13 02 04	Yes	139.14	mineral-based chlorinated engine, gear and lubricating oils	R9	М	Weighed	Offsite in Ireland	Enva Ireland Ltd,W0-184/1	Clonminam Industrial Estate,Portlaoise,Co Laois,Co Laois,Ireland	Enva Ireland,W0184- 1,Clonminam Industrial Estate,Portlaoise,Laois,0,Ire and Enva Ireland,W0184-	Clonminam Industrial Estate,Portlaoise,Laois,.,Irel and
Within the Country	13 05 07	Yes	0.0	oily water from oil/water separators	R9	М	Weighed	Offsite in Ireland	Enva Ireland Ltd,W0-184/1	Clonminam Industrial Estate,Portlaoise,Co Laois,Co Laois,Ireland	and Enva Ireland,W0184-	Clonminam Industrial I Estate,Portlaoise,Laois,,,Irel and
Within the Country	13 05 08	Yes	9.24	mixtures of wastes from grit chambers and oil/water separators	R9	М	Weighed	Offsite in Ireland	Enva Ireland Ltd,W0-184/1	Clonminam Industrial Estate,Portlaoise,Co Laois,Co Laois,Ireland Clonminam Industrial	1,Clonminam Industrial Estate,Portlaoise,Laois,0,Ire and Enva Ireland,W0184- 1.Clonminam Industrial	Clonminam Industrial Estate,Portlaoise,Laois,,,Irel and Clonminam Industrial
Within the Country	13 07 01	Yes		fuel oil and diesel	R9	М	Weighed	Offsite in Ireland	Enva Ireland Ltd,W0-184/1	Estate,Portlaoise,Co Laois,Co Laois,Ireland		Estate, Portlaoise, Laois, ,, Irel and Clonminam Industrial
Within the Country	13 08 02	Yes	194.5	other emulsions antifreeze fluids other than those	R9	М	Weighed	Offsite in Ireland	Enva Ireland Ltd,W0-184/1	Estate,Portlaoise,Co Laois,Co Laois,Ireland Clonminam Industrial Estate,Portlaoise,Co		Estate,Portlaoise,Laois,.,Irel and
Within the Country	16 01 15	No	38.08	mentioned in 16 01 14	R9	M	Weighed	Offsite in Ireland	Enva Ireland Ltd,W0-184/1	Laois,Co Laois,Ireland	W041-1,Enva Ireland,Smithstown	
Within the Country	16 05 06	Yes	0.06	laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals	D9	М	Weighed	Offsite in Ireland	Enva Ltd,W0-41/1	Smithtown Industrial ,Smithtown Industrial ,Shannon ,Co Clare,Ireland Weetfelder	Industrial Estate,Shannon,Clare,0,Irel and Reiling Gmbh,121197630-	Smithstown Industrial Estate,Shannon,Clare,0,Irel and
To Other Countries	17 02 04	Yes	41.46	glass, plastic and wood containing or contaminated with dangerous substances	R1	М	Weighed	Abroad	Reiling GmbH,121197630-3	Strasse,36,Bonen,59199,Germany	3,Weetfelder Strasse 36 ,Bonen,,Germany Afvalstoffen Terminal Moerdijk B.V.,1538449,Vlasweg 12	Weetfelder Strasse 36 ,Bonen,,,,Germany
	17 05 03	Yes	181.48	Filter press cake	D8	М	Weighed	Abroad	Enva Ireland Ltd,W0-184/1	Clonminam Industrial Estate,Portlaoise,Co Laois,Co Laois,Ireland	,4782 PW Moerdijk ,P.O. Box 30 ,4780 AA Moerdijk ,Netherlands	Vlasweg 12 ,4782 PW Moerdijk ,P.O. Box 30 ,4780 AA Moerdijk ,Netherlands
Within the Country	19 08 05	No	1.82	sludges from treatment of urban waste water	D13	М	Weighed	Offsite in Ireland	Thorntons Recycling Kileen Road Dublin,NWCPO-09- 01190-01	Kileen Road,1,Dublin,Co Dublin,Ireland College Proteins,College		
Within the Country Within the Country Within the Country	20 01 25	No	21.88	edible oil and fat	D9	М	Weighed	Offsite in Ireland	College Proteins,P0037-03	Road,Nobber,Co Meath,Ireland		
				he Description of Weste then slick the delete button								

^{*} Select a row by double-clicking the Description of Waste then click the delete button