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 listing all exceedances of licence limits (where applicable) and what they relate to e.g. air, water, noise.

2016	
40-01	
AES I	lenagh
Springfort Cross, Solsboro	ugh, Nenagh, Co. Tipperary
3	821
edule 3 - Classes 11, 12 & <b>13</b>	(PA); Schedule 4 - Classes 2, 3, 4,
-	·

AES Nenagh acts as the principal waste transfer facility for AES in the Munster region servicing waste collections from Clare, Limerick City & County, Tipperary and some parts of Offaly. Domestic waste services include a glass bin and compost bin service in selected areas. in addition the facility operates a small civic amenity area and accepts waste from the public to the site. All wastes are received over the facility weighbridge and unloaded within the waste reception building (or the designated Civic Amenity Area). Residual wastes are bulked and sent for further treatment (Recovery) or disposal at landfill. Separately collected recyclables are transferred from AES Nenagh to AES Tullamore for processing. Similary other seperately collected fractions are sent for further processing to various waste operators in Ireland. Waste received in 2016 was within the total waste acceptance allowed under the Waste Licence. There were 3 minor incidents reported to the Agency in 2016 in relation to breach of ELVs. In May and October for exceedance of dust ELV's and in August for elevate ammonia above ELVs of 50mg/l in SE1 Emissions to sewer. The EPA conducted a site visit in September and found the site to be compliant with the Licence Conditions.

#### **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.

Chalte Greene

One of the Charlette Greene

CHARLOTTE GREENE
Environmental Officer

Date

316 In the please of 350mg/m2/day with		IR-summary					Lic No:	W0240-01		Year	2016	
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Does your s	site have licensed	emissions direct to surfa	ace water or direct to	sewer? If yes											
please comple	ete table W2 and	W3 below for the curre	nt reporting year and	answer further		Storm water from a	oof and vards is collected onsite t	through the storm water collection	n system and passed trhough an o	il intercentor prior to discharging					
questions. If		licenced emissions you rface water analysis and		e table wit and		at SW1 to the loca	I drainage network to the north o	of the site. Foulwater from the was	ste processing building and the bi	n wash area is collected through					
					Yes	the foulwater colle	ction system passed through an c	oil interceptor and then pumped fr	om the foulwater collection cham	iber (SE1) to the mains foul sewer		-			
		licence to carry out visu on or near your site? If ye													
		idence of contamination			Yes		No evidence	e of contamination was found duri	ing 2016 visual inspections						
Table \	W1 Surface wa	ter monitoring				•					1	_			
				ELV or trigger											
Location	Location relative to site	PRTR Parameter	Licenced Parameter	level in licence or any	Licence Compliance	Measured value	Annual Average	Unit of measurement	Compliant with licence	Comments					
reference	activities			revision	criteria				·						
				thereof*											
*trigger values	may be agreed by t	the Agency outside of licer	nce conditions	•	•						•				
		nspections-Please or		here contami	ination was ob	served.									
Location	Date of														
Reference	inspection		Description of contar	mination		Source of contamination	Corrective action	Com	ments						
						SELECT									
						SELECT				1					
Licensed F~	nissions to wat	ter and /or wastewa	ter(sewer)_neriod	lic monitoring	(non-continu	nus)									
					, iioii-continu	Jusi									
was there ar	ny result in breach c co	of licence requirements? It omment section of Table V	i yes piease provide brie V3 below	er details in the	Yes	Add	itional information	_							
		n accordance with EPA y of Aqueous Monitoring													
Data Reported	d to the EPA? If no	please detail what areas													
1 require imp	provement in additi	ional information box	Quality checklist	results checklist	Yes			_							
Table W3: L	Licensed Emissi	ons to water and /o	r wastewater (sev	ver)-periodic	monitoring (no	on-continuous)									
Emission	Emission	Parameter/		Frequency of		ELV or trigger values in licence or							Procedural reference standard		
reference no:	released to	SubstanceNote 1	Type of sample	monitoring	Averaging period	any revision therof	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Method of analysis	Procedural reference source	number	Annual mass load (kg)	Comments
								Annual Average							
SE1	Wastewater/Sew	pH	composite	Monthly	Monthly	6 to 10	No pH value shall deviate from the specified range.	7.3	pH units	yes	pH Meter (Electrode)	APHA / AWWA "Standard Methods"	Method 4500 H+B		
SE1	Wastewater/Sew	COD	composite	Monthly	Monthly	3000	All values < ELV	383	mg/L	yes	Spectrophotometry (Colorimetry)	APHA / AWWA "Standard Methods"	50000 CL 10 CL		
SE1	Wastewater/Sew	BOD	composite	Quarterly	Quarterly	1000	All values < ELV	243	mg/L	yes	Dissolved Oxygen Meter (Electrode)	APHA / AWWA "Standard	5220D, Closed Reflux, colourimetr	nc metnod	
561	wastewater/sew	505	composite	Quarterly	quarterry	1000	All Values VEEV	243	6/2	· ·	Distance Oxygen Weter (Electrone)	Methods"	Method 5210-B		one exceedances on the
SE1	Wastewater/Sew				Quarterly					no (if no please enter details in					
	Wastewater, sev	Ammonia (as N)	composite	Quarterly	Quarterry	50	All values < ELV	21	mg/L		Spectrophotometry (Colorimetry)	APHA / AWWA "Standard Methods"			
			·	· ·						comments box)			Method 4500-CNE		04/05/16 with a results of 59mg/l
SE1	Wastewater/Sew	Suspended Solids	composite	Monthly	Monthly	1000	All values < ELV	182	mg/L		Gravimetric analysis	Methods"	Method 4500-CNE 2540D		
SE1	Wastewater/Sew Wastewater/Sew	Suspended Solids Hydrocarbons	composite composite	Monthly Quarterly	Monthly Quarterly	1000	All values < ELV	182 1.8	mg/L mg/L	comments box) yes	Gravimetric analysis GC (Gas Chromatography)	Methods"  APHA / AWWA "Standard			
SE1 SE1	Wastewater/Sew Wastewater/Sew Wastewater/Sew	Suspended Solids Hydrocarbons Sulphate	composite composite composite	Monthly Quarterly Quarterly	Monthly Quarterly Quarterly	1000	All values < ELV  All values < ELV	182 1.8 65	mg/L mg/L mg/L	comments box)	Gravimetric analysis GC (Gas Chromatography) Ion Chromatography	Methods"  APHA / AWWA "Standard Methods"  APHA / AWWA "Standard Methods"			
SE1	Wastewater/Sew Wastewater/Sew	Suspended Solids Hydrocarbons	composite composite	Monthly Quarterly	Monthly Quarterly	1000	All values < ELV	182 1.8	mg/L mg/L	comments box) yes	Gravimetric analysis GC (Gas Chromatography)	Methods"  APHA / AWWA "Standard Methods"  APHA / AWWA "Standard Methods"  APHA / AWWA "Standard Methods"	2540D		
SE1 SE1	Wastewater/Sew Wastewater/Sew Wastewater/Sew	Suspended Solids Hydrocarbons Sulphate	composite composite composite	Monthly Quarterly Quarterly	Monthly Quarterly Quarterly	1000	All values < ELV  All values < ELV	182 1.8 65	mg/L mg/L mg/L	comments box)  yes  yes	Gravimetric analysis GC (Gas Chromatography) Ion Chromatography	Methods"  APHA / AWWA "Standard Methods"	2540D  Method 41108.  Method 55208		
SE1 SE1 SE1 SE1	Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew	Suspended Solids Hydrocarbons Sulphate Fats, Oils and Greases Detergents (as MBAS) Ortho-phosphate (as	composite composite composite composite composite	Monthly Quarterly Quarterly Quarterly Quarterly	Monthly Quarterly Quarterly Quarterly Quarterly Quarterly	1000 - 500 100	All values < ELV  All values < ELV  All values < ELV  All values < ELV	182 1.8 65 18	mg/L mg/L mg/L mg/L	comments box)  yes  yes  yes	Gravimetric analysis  GC (Gas Chromatography)  Ion Chromatography  Gravimetric analysis  Spectrophotometry (Colorimetry)	Methods"  APHA / AWWA "Standard Methods"	25400  Method 41108.  Method 55208  Method 5540C		
SE1 SE1 SE1 SE1 SE1	Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew	Suspended Solids Hydrocarbons Sulphate Fats, Oils and Greases Detergents (as MBAS) Ortho-phosphate (as PO4)	composite composite composite composite composite composite	Monthly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly	Monthly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly	1000 - 500 100 100	All values < ELV	182 1.8 65 18 0.85	mg/L mg/L mg/L mg/L mg/L mg/L	comments box)  yes  yes  yes  yes	Gravimetric analysis  GC (Gas Chromatography)  Ion Chromatography  Gravimetric analysis  Spectrophotometry (Colorimetry)  Spectrophotometry (Colorimetry)	Methods"  APHA / AWWA "Standard APHA / AWWA "Standard APHA / AWWA "Standard APHA / AWWA "Standard	2540D  Method 41108.  Method 55208		
SE1 SE1 SE1 SE1	Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew	Suspended Solids Hydrocarbons Sulphate Fats, Oils and Greases Detergents (as MBAS) Ortho-phosphate (as	composite composite composite composite composite	Monthly Quarterly Quarterly Quarterly Quarterly	Monthly Quarterly Quarterly Quarterly Quarterly Quarterly	1000 - 500 100	All values < ELV  All values < ELV  All values < ELV  All values < ELV	182 1.8 65 18	mg/L mg/L mg/L mg/L	comments box)  yes  yes  yes	Gravimetric analysis  GC (Gas Chromatography)  Ion Chromatography  Gravimetric analysis  Spectrophotometry (Colorimetry)	Methods"  APHA / AWWA "Standard	25400  Method 41108.  Method 55208  Method 5540C		
SE1 SE1 SE1 SE1 SE1	Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew	Suspended Solids Hydrocarbons Sulphate Fats, Oils and Greases Detergents (as MBAS) Ortho-phosphate (as PO4)	composite composite composite composite composite composite	Monthly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly	Monthly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly	1000 - 500 100 100	All values < ELV  No pH value shall deviate from	182 1.8 65 18 0.85	mg/L mg/L mg/L mg/L mg/L mg/L	comments box)  yes  yes  yes  yes	Gravimetric analysis  GC (Gas Chromatography)  Ion Chromatography  Gravimetric analysis  Spectrophotometry (Colorimetry)  Spectrophotometry (Colorimetry)	Methods*  APHA / AWWA "Standard Methods*	2540D  Method 41108.  Method 5520B  Method 5540C  Method 41108		
SE1 SE1 SE1 SE1 SE1 SE1 SE1 SE1	Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew	Suspended Solids Hydrocarbons Sulphate Fats, Oils and Greases Detergents (as MBAS) Ortho-phosphate (as PO4)	composite composite composite composite composite composite discrete	Monthly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Monthly	Monthly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Auditoria	1000 - 500 100 100 - 6.5-9.5	All values < ELV  No pH value shall deviate from the specified range.	182 1.8 65 18 0.85 2.6 7.3	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	comments box)  yes  yes  yes  yes  yes	Gravimetric analysis  GC (Gas Chromatography)  Ion Chromatography  Gravimetric analysis  Spectrophotometry (Colorimetry)  Spectrophotometry (Colorimetry)  pH Meter (Electrode)	Methods*  APHA / AWWA "Standard Methods*	2540D  Method 41108.  Method 55208  Method 5540C  Method 41108  Method 4100 H+B  Method 4500 H+B  Method 25108	ic mathed	
SE1 SE1 SE1 SE1 SE1 SE1 SW-1 SW-1	Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Water Water Water	Suspended Solids Hydrocarbons Sulphate Fats, Oils and Greases Detergents (as MBAS) Ortho-phosphate (as PO4) pH Conductivity	composite composite composite composite composite composite composite discrete discrete discrete	Monthly Quarterly Quarterly Quarterly Quarterly Quarterly Monthly Monthly	Monthly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Monthly Monthly Monthly	1000 - 500 - 100 - 100 - 6.5-9.5 - 1000 - 130	All values < ELV  All results < 1.2 < ELV	182 1.8 65 18 0.85 2.6 7.3 366	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	yes  yes  yes  yes  yes  yes  yes  yes	Gravimetric analysis  GC (Gas Chromatography)  Ion Chromatography  Gravimetric analysis  Spectrophotometry (Colorimetry)  Spectrophotometry (Colorimetry)  pH Meter (Electrode)  Conductivity Meter (Electrode)  Spectrophotometry (Colorimetry)	Methods*  APHA / AWWA "Standard Methods*	2540D  Method 41108.  Method 55208  Method 5540C  Method 41108  Method 4108  Method 4108  Method 4500 H+B  Method 25108  52200, Closed Reflux, colourimetr	ric method	
SE1 SE1 SE1 SE1 SE1 SW-1 SW-1	Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Water Water	Suspended Solids Hydrocarbons Sulphate Fats, Oils and Greases Detergents (as MBAS) Ortho-phosphate (as PO4) pH Conductivity	composite composite composite composite composite composite composite discrete discrete	Monthly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Monthly	Monthly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Monthly Monthly	1000 - 500 - 100 - 100 - 6.5-9.5 - 1000	All values < ELV	182 1.8 65 18 0.85 2.6 7.3 366	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	yes  yes  yes  yes  yes  yes  yes  yes	Gravimetric analysis  GC (Gas Chromatography)  Ion Chromatography  Gravimetric analysis  Spectrophotometry (Colorimetry)  Spectrophotometry (Colorimetry)  pH Meter (Electrode)  Conductivity Meter (Electrode)	Methods* APHA / AWWA "Standard Methods* APHA / AWWA "Standard Methods* APHA / AWWA" Standard Methods*	2540D  Method 41108.  Method 55208  Method 5540C  Method 41108  Method 4100 H+B  Method 4500 H+B  Method 25108	ric method	59mg/l
SE1 SE1 SE1 SE1 SE1 SE1 SW-1 SW-1	Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Water Water Water	Suspended Solids Hydrocarbons Sulphate Fats, Oils and Greases Detergents (as MBAS) Ortho-phosphate (as PO4) pH Conductivity	composite composite composite composite composite composite composite discrete discrete discrete	Monthly Quarterly Quarterly Quarterly Quarterly Quarterly Monthly Monthly	Monthly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Monthly Monthly Monthly	1000 - 500 - 100 - 100 - 6.5-9.5 - 1000 - 130	All values < ELV  All results < 1.2 < ELV	182 1.8 65 18 0.85 2.6 7.3 366	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	comments box)  yes  yes  yes  yes  yes  yes  yes  o (if no please enter details in	Gravimetric analysis  GC (Gas Chromatography)  Ion Chromatography  Gravimetric analysis  Spectrophotometry (Colorimetry)  Spectrophotometry (Colorimetry)  pH Meter (Electrode)  Conductivity Meter (Electrode)  Spectrophotometry (Colorimetry)	Methods*  APHA / AWWA "Standard Methods*	2540D  Method 41108.  Method 55208  Method 5540C  Method 41108  Method 4500 HaB  Method 25108  52200, Closed Reflux, colourimetr  Method 4500-CN-E	ric method	59mg/l one exceedance in Septemi
SE1 SE1 SE1 SE1 SE1 SE1 SW-1 SW-1 SW-1 SW-1	Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Water Water Water Water	Suspended Solids Hydrocarbons Sulphate Fats, Oils and Greases Detergents (as MBAS) Ortho-phosphate (as PO4) PH Conductivity COD Ammonia (as N) Suspended Solids	composite composite composite composite composite composite composite discrete discrete discrete discrete	Monthly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Monthly Monthly Monthly Quarterly	Monthly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Monthly Monthly Monthly Quarterly	1000	All values < ELV  All values SELV  All values SELV  All results < 1.2 × ELV  All results < 1.2 × ELV  All results < 1.2 × ELV	182 1.8 65 18 0.85 2.6 7.3 366 36 0.82	mg/L mg/L mg/L mg/L mg/L mg/L mg/L pH units  µS/cm @200C mg/L mg/L mg/L	ves  yes  yes  yes  yes  yes  yes  yes	Gravimetric analysis  GC (Gas Chromatography)  Ion Chromatography  Gravimetric analysis  Spectrophotometry (Colorimetry)  Spectrophotometry (Colorimetry)  pH Meter (Electrode)  Conductivity Meter (Electrode)  Spectrophotometry (Colorimetry)  Spectrophotometry (Colorimetry)  Spectrophotometry (Colorimetry)  Gravimetric analysis	Methods* APHA / AWWA "Standard Methods " APHA / AWWA "Standard Methods" APHA / AWWA "Standard Methods " APHA / AWWA "Standard	2540D  Method 41108.  Method 55208  Method 5540C  Method 41108  Method 4108  Method 4108  Method 4500 H+B  Method 25108  52200, Closed Reflux, colourimetr	ic method	59mg/l one exceedance in Septemb with a results of 84mg/l De exceedance in June with
SE1 SE1 SE1 SE1 SE1 SE1 SW-1 SW-1 SW-1	Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Water Water Water Water	Suspended Solids Hydrocarbons Sulphate Fats, Olls and Greases Detergents (as MBAS) Ortho-phosphate (as PO4) pH Conductivity COD Ammonia (as N)	composite composite composite composite composite composite composite discrete discrete discrete discrete	Monthly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Monthly Monthly Monthly Quarterly	Monthly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Monthly Monthly Monthly Quarterly	1000 	All values < ELV  All results < 1.2 × ELV  All results < 1.2 × ELV  All results < 1.2 × ELV	182 1.8 65 18 0.85 2.6 7.3 366 36 0.82	mg/L mg/L mg/L mg/L mg/L mg/L mg/L pH units μS/cm @200C mg/L mg/L	comments box)  yes  yes  yes  yes  yes  yes  yes  o (if no please enter details in	Gravimetric analysis  GC (Gas Chromatography)  Ion Chromatography  Gravimetric analysis  Spectrophotometry (Colorimetry)  Spectrophotometry (Colorimetry)  pH Meter (Electrode)  Conductivity Meter (Electrode)  Spectrophotometry (Colorimetry)  Spectrophotometry (Colorimetry)	Methods* APHA / AWWA "Standard Methods " APHA / AWWA "Standard Methods" APHA / AWWA "Standard Methods " APHA / AWWA "Standard	2540D  Method 41108.  Method 55208  Method 5540C  Method 41108  Method 4500 HaB  Method 25108  52200, Closed Reflux, colourimetr  Method 4500-CN-E	ric method	one exceedance in Septemb with a results of 84mg/1 Doe exceedance in June with
\$E1 \$E1 \$E1 \$E1 \$W-1 \$W-1 \$W-1 \$W-1 \$W-1	Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Water Water Water Water Water Water Water	Suspended Solids Hydrocarbons Sulphate Fats, Oils and Greases Detergents (as MBAS) Ortho-phosphate (as PO4) PH Conductivity COD Ammonia (as N) Suspended Solids	composite composite composite composite composite composite composite discrete discrete discrete discrete discrete discrete	Monthly Quarterly Quarterly Quarterly Quarterly Anothly Monthly Monthly Monthly Monthly	Monthly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Monthly Monthly Monthly Monthly Monthly	1000	All values < ELV  All values SELV  All values SELV  All results < 1.2 × ELV  All results < 1.2 × ELV  All results < 1.2 × ELV	182 1.8 65 18 0.85 2.6 7.3 366 36 0.82	mg/L mg/L mg/L mg/L mg/L mg/L mg/L pH units  µS/cm @200C mg/L mg/L mg/L	yes  yes  yes  yes  yes  yes  yes  yes	Gravimetric analysis  GC (Gas Chromatography)  Ion Chromatography  Gravimetric analysis  Spectrophotometry (Colorimetry)  Spectrophotometry (Colorimetry)  pH Meter (Electrode)  Conductivity Meter (Electrode)  Spectrophotometry (Colorimetry)  Spectrophotometry (Colorimetry)  Spectrophotometry (Colorimetry)  Gravimetric analysis	Methods* APHA / AWWA "Standard Methods " APHA / AWWA "Standard Methods" APHA / AWWA "Standard Methods " APHA / AWWA "Standard	2540D  Method 41108.  Method 55208  Method 5540C  Method 41108  Method 4500 HaB  Method 25108  52200, Closed Reflux, colourimetr  Method 4500-CN-E	ric method	59mg/l one exceedance in Septemb with a results of 84mg/l De exceedance in June with
SE1	Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Water	Suspended Solids Hydrocarbons Sulphate Fats, Oils and Greases Detergents (as MBAS) Ortho-phosphate (as PO4) PO4) Conductivity COD Ammonia (as N) Suspended Solids Mineral oils	composite composite composite composite composite composite composite discrete discrete discrete discrete discrete discrete	Monthly Quarterly Quarterly Quarterly Quarterly Anothly Monthly Monthly Monthly Monthly	Monthly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Monthly Monthly Monthly Monthly Monthly	1000	All values < ELV  All values SELV  All values SELV  All values SELV  All results < 1.2 × ELV  All results < 1.2 × ELV  All results < 1.2 × ELV	182 1.8 65 18 0.85 2.6 7.3 366 36 0.82 48	mg/L mg/L mg/L mg/L mg/L mg/L mg/L pH units  µS/cm @200C mg/L mg/L mg/L	yes  yes  yes  yes  yes  yes  yes  yes	Gravimetric analysis  GC (Gas Chromatography)  Ion Chromatography  Gravimetric analysis  Spectrophotometry (Colorimetry)  Spectrophotometry (Colorimetry)  pH Meter (Electrode)  Conductivity Meter (Electrode)  Spectrophotometry (Colorimetry)  Spectrophotometry (Colorimetry)  Spectrophotometry (Colorimetry)  Gravimetric analysis	Methods* APHA / AWWA "Standard Methods " APHA / AWWA "Standard Methods" APHA / AWWA "Standard Methods " APHA / AWWA "Standard	2540D  Method 41108.  Method 55208  Method 5540C  Method 41108  Method 4500 HaB  Method 25108  52200, Closed Reflux, colourimetr  Method 4500-CN-E	ric method	59mg/l one exceedance in Septemb with a results of 84mg/l De exceedance in June with
\$E1 \$E1 \$E1 \$E1 \$SE1 \$SE1 \$SW-1 \$SW-1 \$SW-1 \$SW-1 \$SW-1 \$SW-1 \$SW-1 \$SW-1 \$Continuous	Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Water	Suspended Solids  Hydrocarbons  Sulphate  Fats, Olls and Greases  Detergents (as MBAS)  Ortho-phosphate (as POd)  pH  Conductivity  COD  Ammonia (as N)  Suspended Solids  Mineral oils  cluded as a reportable pa	composite composite composite composite composite composite composite discrete discrete discrete discrete discrete discrete alscrete discrete discrete	Monthly Quarterly Quarterly Quarterly Quarterly Anothly Monthly Monthly Monthly Monthly	Monthly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Monthly Monthly Monthly Monthly Monthly	1000	All values < ELV  All values SELV  All values SELV  All results < 1.2 × ELV  All results < 1.2 × ELV  All results < 1.2 × ELV	182 1.8 65 18 0.85 2.6 7.3 366 36 0.82 48	mg/L mg/L mg/L mg/L mg/L mg/L mg/L pH units  µS/cm @200C mg/L mg/L mg/L	yes  yes  yes  yes  yes  yes  yes  yes	Gravimetric analysis  GC (Gas Chromatography)  Ion Chromatography  Gravimetric analysis  Spectrophotometry (Colorimetry)  Spectrophotometry (Colorimetry)  pH Meter (Electrode)  Conductivity Meter (Electrode)  Spectrophotometry (Colorimetry)  Spectrophotometry (Colorimetry)  Spectrophotometry (Colorimetry)  Gravimetric analysis	Methods* APHA / AWWA "Standard Methods " APHA / AWWA "Standard Methods" APHA / AWWA "Standard Methods " APHA / AWWA "Standard	2540D  Method 41108.  Method 55208  Method 5540C  Method 41108  Method 4500 HaB  Method 25108  52200, Closed Reflux, colourimetr  Method 4500-CN-E	ic method	59mg/l one exceedance in Septemb with a results of 84mg/l De exceedance in June with
\$E1 \$E1 \$E1 \$E1 \$E1 \$E1 \$SE1 \$W-1 \$W-1 \$W-1 \$W-1 \$W-1 \$W-1 \$W-1 \$W-	Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Water	Suspended Solids  Hydrocarbons  Sulphate  Fats, Olls and Greases  Detergents (as MBAS)  Ortho-phosphate (as PO4)  pH  Conductivity  COD  Ammonia (as N)  Suspended Solids  Mineral oils  ccluded as a reportable pa	composite composite composite composite composite composite composite discrete discrete discrete discrete discrete discrete discrete	Monthly Quarterly Quarterly Quarterly Quarterly Quarterly Monthly Monthly Monthly Monthly Lourterly Monthly Monthly Monthly Monthly Monthly Lourterly	Monthly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Monthly Monthly Monthly Quarterly Monthly Nonthly Nonthly	1000	All values < ELV  All values SELV  All values SELV  All values SELV  All results < 1.2 × ELV  All results < 1.2 × ELV  All results < 1.2 × ELV	182 1.8 65 18 0.85 2.6 7.3 366 36 0.82 48	mg/L mg/L mg/L mg/L mg/L mg/L mg/L pH units  µS/cm @200C mg/L mg/L mg/L	yes  yes  yes  yes  yes  yes  yes  yes	Gravimetric analysis  GC (Gas Chromatography)  Ion Chromatography  Gravimetric analysis  Spectrophotometry (Colorimetry)  Spectrophotometry (Colorimetry)  pH Meter (Electrode)  Conductivity Meter (Electrode)  Spectrophotometry (Colorimetry)  Spectrophotometry (Colorimetry)  Spectrophotometry (Colorimetry)  Gravimetric analysis	Methods* APHA / AWWA "Standard Methods " APHA / AWWA "Standard Methods" APHA / AWWA "Standard Methods " APHA / AWWA "Standard	2540D  Method 41108.  Method 55208  Method 5540C  Method 41108  Method 4500 HaB  Method 25108  52200, Closed Reflux, colourimetr  Method 4500-CN-E	ric method	59mg/l one exceedance in Septemb with a results of 84mg/l one exceedance in June with
\$E1 \$E1 \$E1 \$E1 \$E1 \$E1 \$W-1 \$W-1 \$W-1 \$W-1 \$W-1 \$W-1 \$W-1 \$W-	Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Water	Suspended Solids Hydrocarbons Sulphate Fats, Olis and Greases Detergents (as MBAS) Ortho-phosphate (as PPOA) Phosphate (as POA) COD Ammonia (as N) Suspended Solids Mineral oils scluded as a reportable pa	composite composite composite composite composite composite composite discrete discrete discrete discrete discrete discrete discrete	Monthly Quarterly Quarterly Quarterly Quarterly Quarterly Monthly Monthly Monthly Monthly Lourterly Monthly Monthly Monthly Monthly Monthly Lourterly	Monthly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Monthly Monthly Monthly Quarterly Monthly Nonthly Nonthly	1000	All values < ELV  All values SELV  All values SELV  All values SELV  All results < 1.2 × ELV  All results < 1.2 × ELV  All results < 1.2 × ELV	182 1.8 65 18 0.85 2.6 7.3 366 36 0.82 48	mg/L mg/L mg/L mg/L mg/L mg/L mg/L pH units  µS/cm @200C mg/L mg/L mg/L	yes  yes  yes  yes  yes  yes  yes  yes	Gravimetric analysis  GC (Gas Chromatography)  Ion Chromatography  Gravimetric analysis  Spectrophotometry (Colorimetry)  Spectrophotometry (Colorimetry)  pH Meter (Electrode)  Conductivity Meter (Electrode)  Spectrophotometry (Colorimetry)  Spectrophotometry (Colorimetry)  Spectrophotometry (Colorimetry)  Gravimetric analysis	Methods* APHA / AWWA "Standard Methods " APHA / AWWA "Standard Methods" APHA / AWWA "Standard Methods " APHA / AWWA "Standard	2540D  Method 41108.  Method 55208  Method 5540C  Method 41108  Method 4500 HaB  Method 25108  52200, Closed Reflux, colourimetr  Method 4500-CN-E	ric method	59mg/l one exceedance in Septemb with a results of 84mg/l one exceedance in June with
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SE1 SE1 SE1 SE1 SE1 SE1 SE1 SE1 SW-1 SW-1 SW-1 SW-1 SW-1 SW-1 SW-1 SW-	Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Water conditioning carry out continuou ummarise your con ion liminity our continuo ummarise your continuo ummarise your con ion liminity our continuo ummarise your continuo ummarise	Suspended Solids Hydrocarbons Sulphate Fats, Oils and Greases Detergents (as MBAS) Ortho-phosphate (as PPA) PA) Conductivity COD Ammonia (as N) Suspended Solids Mineral oils ciuded as a reportable pa	composite composite composite composite composite composite composite discrete discrete discrete discrete discrete discrete discrete discrete discrete anneter ver monitoring? selow in Table W4 and ar? If yes please record of continuous monitoring e ar? If yes please comple ttinuous monitorint	Monthly Quarterly Quarterly Quarterly Quarterly Quarterly Monthly Monthly Monthly Quarterly Monthly compare it to its downtime in quipment on ete table WS	Monthly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Monthly Monthly Monthly Quarterly Monthly Select Select	1000	All values < ELV  All values SELV  All values SELV  All values SELV  All results < 1.2 × ELV  All results < 1.2 × ELV  All results < 1.2 × ELV	182 1.8 65 18 0.85 2.6 7.3 366 36 0.82 48 0.13	mg/L mg/L mg/L mg/L mg/L mg/L mg/L pH units  µS/cm @200C mg/L mg/L mg/L	yes  yes  yes  yes  yes  yes  yes  yes	Gravimetric analysis  GC (Gas Chromatography)  Ion Chromatography  Gravimetric analysis  Spectrophotometry (Colorimetry)  Spectrophotometry (Colorimetry)  pH Meter (Electrode)  Conductivity Meter (Electrode)  Spectrophotometry (Colorimetry)  Spectrophotometry (Colorimetry)  Spectrophotometry (Colorimetry)  Gravimetric analysis	Methods*  APHA / AWWA "Standard Methods"	2540D  Method 41108.  Method 55208  Method 5540C  Method 41108  Method 4500 HaB  Method 25108  52200, Closed Reflux, colourimetr  Method 4500-CN-E	ric method	one exceedance in Septemb with a results of Bang/I V
SE1 SE1 SE1 SE1 SE1 SE1 SE1 SE1 SW-1 SW-1 SW-1 SW-1 SW-1 SW-1 SW-1 SW-	Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Water	Suspended Solids Hydrocarbons Sulphate Fats, Oils and Greases Detergents (as MBAS) Ortho-phosphate (as POA) pH Conductivity COD Ammonia (as N) Suspended Solids Mineral oils Lided as a reportable pa sus emissions to water/sew trinuous monitoring data if vi	composite composite composite composite composite composite composite composite discrete discrete discrete discrete discrete discrete discrete discrete discrete composite discrete dis	Monthly Quarterly Quarterly Quarterly Quarterly Quarterly Monthly Monthly Monthly Quarterly Monthly compare it to its downtime in quipment on ete table WS	Monthly Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly Monthly Monthly Monthly Quarterly Monthly Select Select	1000	All values < ELV  All values Sell deviate from the specified range.  All results < 1.2 x ELV  All results < 1.2 x ELV	182 1.8 65 18 0.85 2.6 7.3 366 36 0.82 48 0.13	mg/L           mg/L           mg/L           mg/L           mg/L           pH units           µS/cm @200C           mg/L           mg/L           mg/L           mg/L           Monitoring Equipment	yes  yes  yes  yes  yes  yes  yes  yes	Gravimetric analysis  GC (Gas Chromatography)  Ion Chromatography  Gravimetric analysis  Spectrophotometry (Colorimetry)  Spectrophotometry (Colorimetry)  pH Meter (Electrode)  Conductivity Meter (Electrode)  Spectrophotometry (Colorimetry)  Spectrophotometry (Colorimetry)  Spectrophotometry (Colorimetry)  Gravimetric analysis	Methods*  APHA / AWWA "Standard Methods*	2540D  Method 41108.  Method 55208  Method 5540C  Method 41108  Method 4500 HB  Method 25108  52200, Closed Reflux, colourimetr  Method 4500-CN-E	ic method	59mg/l  one exceedance in Septemb with a results of 84mg/l One exceedance in June with
SE1 SE1 SE1 SE1 SE1 SE1 SE1 SW-1 SW-1 SW-1 SW-1 SW-1 SW-1 SW-1 SW-	Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Water Wat	Suspended Solids  Hydrocarbons  Sulphate  Fats, Olls and Greases  Detergents (as MBAS)  Ortho-phosphate (as PAS)  PO4)  pH  Conductivity  COD  Ammonia (as N)  Suspended Solids  Mineral oils  coulded as a reportable pa  us emissions to water/sew  tinuous monitoring data I vy  ment experience downtim  ontract for each piece of cc  ur during the reporting ye  er age emissions - Cor	composite composite composite composite composite composite composite composite discrete discrete discrete discrete discrete discrete composite discrete discrete discrete discrete discrete composite discrete discrete discrete discrete discrete composite discrete discrete discrete discrete composite discrete discrete discrete discrete composite discrete discrete discrete discrete discrete composite discrete discret	Monthly Quarterly Quarterly Quarterly Quarterly Quarterly Monthly Monthly Monthly Monthly Cuarterly Monthly Cuarterly Monthly Monthly Australy Averaging Period	Monthly Quarterly Quarterly Quarterly Quarterly Quarterly Monthly Monthly Monthly Monthly Anothly Monthly Cuarterly Monthly SELECT SELECT SELECT Compliance Criteria	1000	All values < ELV  All values x ELV  All results < 1.2 x ELV	182 1.8 65 18 0.85 2.6 7.3 366 36 0.82 48 0.13	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	yes  yes  yes  yes  yes  yes  yes  o (if no please enter details in comments box)  no (if no please enter details in comments box)	Gravimetric analysis  GC (Gas Chromatography)  Ion Chromatography  Gravimetric analysis  Spectrophotometry (Colorimetry)  Spectrophotometry (Colorimetry)  pH Meter (Electrode)  Conductivity Meter (Electrode)  Spectrophotometry (Colorimetry)  Spectrophotometry (Colorimetry)  Spectrophotometry (Colorimetry)  Gravimetric analysis	Methods*  APHA / AWWA "Standard Methods"	2540D  Method 41108.  Method 55208  Method 5540C  Method 41108  Method 4500 HB  Method 25108  52200, Closed Reflux, colourimetr  Method 4500-CN-E	nic method	59mg/l
SE1 SE1 SE1 SE1 SE1 SE1 SE1 SE1 SW-1 SW-1 SW-1 SW-1 SW-1 SW-1 SW-1 SW-	Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Wastewater/Sew Water	Suspended Solids Hydrocarbons Sulphate Fats, Oils and Greases Detergents (as MBAS) Ortho-phosphate (as POA) pH Conductivity COD Ammonia (as N) Suspended Solids Mineral oils Lided as a reportable pa sus emissions to water/sew trinuous monitoring data if vi	composite composite composite composite composite composite composite composite discrete discrete discrete discrete discrete discrete discrete discrete discrete composite discrete dis	Monthly Quarterly Quarterly Quarterly Quarterly Quarterly Monthly Monthly Monthly Quarterly Monthly Cuarterly Monthly And the grant of	Monthly Quarterly Quarterly Quarterly Quarterly Quarterly Monthly Monthly Monthly Quarterly Monthly SELECT SELECT SELECT Compliance	1000	All values < ELV  All values Sell deviate from the specified range.  All results < 1.2 x ELV  All results < 1.2 x ELV	182 1.8 65 18 0.85 2.6 7.3 366 36 0.82 48 0.13	mg/L           mg/L           mg/L           mg/L           mg/L           pH units           µS/cm @200C           mg/L           mg/L           mg/L           mg/L           Monitoring Equipment	yes  yes  yes  yes  yes  yes  yes  yes	Gravimetric analysis  GC (Gas Chromatography)  Ion Chromatography  Gravimetric analysis  Spectrophotometry (Colorimetry)  Spectrophotometry (Colorimetry)  pH Meter (Electrode)  Conductivity Meter (Electrode)  Spectrophotometry (Colorimetry)  Spectrophotometry (Colorimetry)  Spectrophotometry (Colorimetry)  Gravimetric analysis	Methods*  APHA / AWWA "Standard Methods*	2540D  Method 41108.  Method 55208  Method 5540C  Method 41108  Method 4500 HB  Method 25108  52200, Closed Reflux, colourimetr  Method 4500-CN-E	ric method	one exceedance in Septemb with a results of Bang/I V

		AER Monitor	ring returns su	ımmary template-V	WATER/WASTEWAT	TER(SEWER)		Lic No:	W0240-01		Year	2016	
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note 1: Volumetric flow shall be included as a reportable paramete

Table W5: Abatement system bypass reporting table

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

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

Bund/Pipeline tes	sting template				Lic No:	W0240-01		Year	2016					4
Bund testing	7	dropdown menu cl	lick to see ontions				Additional information							
	our licence to undertake in	tegrity testing on bunds and cor		lease fill out table B1 below	listing all new bunds and			T						
	s on site, in addition to al	bunds which failed the integrit	y test-all bunding structures w	vhich failed including mobi	le bunds must be listed in									
1 the table below						Yes								
2 Please provide integrity						3 years		-						
		rground pipelines (including stor	rmwater and foul), Tanks, sum	nps and containers? (contai	ners refers to									
3 "Chemstore" type units 4 How many bunds are o						Yes 7		-						
		the required test schedule?				7		+						
6 How many mobile bund		rate required test seriedale.				6								
7 Are the mobile bunds in		chedule?				Yes		+						
8 How many of these mo	obile bunds have been tes	ed witin the required test sched	dule?			6								
9 How many sumps on si						2								
10 How many of these sun						0								
Please list any sump in 11 Do all sumps and cham	tegrity failures in table B					No		7						
		n a maintenance and testing pro	ogramma?			N/A		-						
12 ii yes to Q11 are triese	ialisale systems included	ir a maintenance and testing pro	ogramme:			N/A		_1						
Tabl	le B1: Summary details of	bund /containment structure in	tegrity test	1										
														A contract of
														A contract of
														Results of
D / C									Integrity reports		Integrity test failure explanation <50		Scheduled date	retest(if in
Bund/Containment structure ID	Туре	Specify Other type	Product containment	Actual capacity	Capacity required*	Type of integrity test	Other test type	Test date	maintained on site?	Results of test	words	Corrective action taken	for retest	current reporting ye
Bund 1, Concrete Bund		Specify Other type	Road Diesel	56250			Other test type	26/09/2016	Yes	Pass	words	SELECT	ioi retest	reporting ye
	prefabricated		Hydraulic Oils	264				31/03/2016	Yes	Pass				1
Oil Bund 2	prefabricated		Hydraulic Oils	264				31/03/2016	Yes	Pass				+
Oil Bund 3	prefabricated		Hydraulic Oils	264		Hydraulic test		31/03/2016	Yes	Pass				
Oil Bund 4	prefabricated		Hydraulic Oils	264				31/03/2016	Yes	Pass				
	prefabricated		Hydraulic Oils	264				31/03/2016		Pass				
Bund 6 Quarantine Zon	prefabricated ply with 25% or 110% containment		Paints, Gas cylinders, Spent	264	220	Hydraulic test	Commentary	31/03/2016	Yes	Pass				.1
		nce with licence requirements as	nd are all structures tested in				Commentary	7						
14 line with BS8007/EPA G		ice with incence requirements u		bunding and storage guide	lines	Yes								
15 Are channels/transfer s	systems to remote contain	ment systems tested?				Yes								
16 Are channels/transfer	systems compliant in both	integrity and available volume?	?			Yes								
Pt 11 ( 1		1												
	ound structure testing							7						
		tegrity testing on underground :	structures e.g. pipelines or sur	nps etc? if yes please fill or	ut table 2 below listing all									
<ol> <li>underground structure</li> <li>Please provide integrity</li> </ol>		ich failed the integrity test				Yes 3 years		_						
2 riease provide integrity	y testing frequency perior					5 years		_						
Table	B2: Summary details of p	peline/underground structures	integrity test	1										
				Type of secondary										
				containment										
								Integrity test			Results of retest(if in			
Character In	Tuno sustam	Material of construction	Does this structure have Secondary containment?		Time integrity testic -	Integrity reports	Danilla aftern	failure explanation <50 words	Corrective action taken	Scheduled date for retest	current reporting			
Structure ID Storm Water Pipelines	Type system	Material of construction: Mix (please specify)	No	SELECT	Type integrity testing CCTV	maintained on site? Yes	Results of test Pass	NO WORDS	raken	ioi retest	year) SELECT			
Storm water ripelines	Storill	iviix (piease specify)	110	SELECT	CCTV	res	r ass				SEECT	1		
												1		
			-					-				-		
,														
,							_							
,			mentary for additional details i				]							

Groundwater/Soil monitoring template Lic No: Comments  $_{\mbox{\scriptsize 1}}$  Are you required to carry out groundwater monitoring as part of your licence requirements? 2 Are you required to carry out soil monitoring as part of your licence requirements?  $^{\mathbf{3}}$  Do you extract groundwater for use on site? If yes please specify use in comment section  $^{\rm 4}$  Is there contaminated land and /or groundwater on site? If yes please answer q's 5-12 Is the contamination related to operations at the facility (either current and/or historic) 6 Have actions been taken to address contamination issues? If yes please summarise N/A remediation strategies proposed/undertaken for the site 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? N/A N/A 9 Has any type of risk assesment been carried out for the site? 10 Has a Conceptual Site Model been developed for the site? N/A 11 Have potential receptors been identified on and off site? N/A

W0240-01

Year

2016

Table 1: Upgradient Groundwater monitoring results

12 Is there evidence that contamination is migrating offsite?

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

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

**Table 2: Downgradient Groundwater monitoring results** 

											Upward trend in yearly
										% change in	average pollutant
	Sample									average	concentration over last
Date of	location	Parameter/			Maximum	Average				concentration	5 years of monitoring
sampling	reference	Substance	Methodology	Monitoring frequency	Concentration	Concentration	unit	GTV's*	SELECT**	previous year +/-	data
							SELECT				SELECT
							SELECT				SELECT

tilease note exceedance of a relevant Groundwater threshold value (GTV) at a representative monitoring point does not indicate non compliance, an exceedance triggers further investigation to confirm whether the criteria for poor groundwater chemical status are being met.

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

**Drinking water** (private supply)

water EQS standards **Drinking water (public** supply) standards

Interim Guideline Values (IGV)

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

Groundwater/Soil monitoring template	Lic No:	W0240-01	Year	2016	
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#### Table 3: Soil results

	Sample						
Date of	location	Parameter/			Maximum	Average	
sampling	reference	Substance	Methodology	Monitoring frequency	Concentration	Concentration	unit
							SELECT
							SELECT

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

# **Environmental Liabilities template**

Lic No:

W0240-01

Year

2016

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

_					
Co	m	m	۵n	Ta	rv.

			Commentary
1	ELRA initial agreement status	Submitted and agreed by EPA	
2	ELRA review status	Review required and completed	
3	Amount of Financial Provision cover required as determined by the latest ELRA	Specify	€173,484
4	Financial Provision for ELRA status	Required but not submitted	
5	Financial Provision for ELRA - amount of cover	To be agreed	
6	Financial Provision for ELRA - type	Other please specify	PCG
7	Financial provision for ELRA expiry date	Enter expiry date	
8		Closure plan submitted and agreed by E	
9			
10		Required but not submitted	
11	Financial Provision for Closure - amount of cover	To be agreed	
12	Financial Provision for Closure - type	Other please specify	PCG
13	Financial provision for Closure expiry date	Enter expiry date	

Environn	nental Management Programme/Continuous Improvement Programm	e template	Lic No:	W0240-01	Year
	Highlighted cells contain dropdown menu click to view		Additional Information		_
1 Do you r	maintain an Environmental Mangement System (EMS) for the site. If yes, please detail in additional information	Yes			
	EMS reference the most significant environmental aspects and associated impacts on-site EMS maintain an Environmental Management Programme (EMP) as required in accordance	Yes			-
3	with the licence requirements	Yes			4
Do you m 4	aintain an environmental documentation/communication system to inform the public on environmental performance of the facility, as required by the licence	Yes			

Environmental Management Programme (	EMP) report				
Objective Category	Target	Status (% completed)	How target was progressed	Responsibility	Intermediate outcomes
	Eliminate the frequency of				
	breach of Emission limit				
Reduction of emissions to Air	values in Dust	100	Repair and install roller shutter door on waste processing building	Individual	Reduced emissions
	Zero risk to groundwater		All Sumps and underground tanks to be assessed for structural		Increased compliance with
Groundwater protection	from site activities	20	integrity	Individual	licence conditions
	Construct Firewater		SEW prepared and approved by the Agency in 2011, Works		Increased compliance with
Reduction of emissions to Water	Retention Wall	100%	completed in 2016	Individual	licence conditions
	Diversion of biodegradable		Roll out of bin services in the following towns: Cloughjordan,		Increased compliance with
Waste reduction/Raw material usage efficiency			Shinrone, Borriskane by 1st July 2016.	Section Head	licence conditions
waste reduction/ Naw material asage emolency	waste from fanami	100	Compliance team is taking a course run by SEAI in ISO 50001	Section fieud	incence conditions
	Implementation of ISO		implementation Initial Energy Review underway. 2017 working		Improved Environmental
	50001		towards Certification	Section Head	Management Practices
Thereby Emiciency/Othicy conservation	30001	33	towards certification	Section flead	ividilagement Fractices
			Supatrac technology to be installed on all vehicles and drivers are		
			currently being trained on this new technology to ensure fleet		
	Reduction of fuel usage in		efficiency. This will also allow for greater visibility and management		
	2016		with regards to fuel usage. Route optimisation is ongoing.	Individual	Reduced emissions
Thergy Efficiency/Othicy Conservation	2010		Structural repairs to internal shed floor; concrete reparis to damged	mulviduai	Reduced emissions
	Zero risk to groundwater		sections of the yard outside the waste processing shed - areas		Increased compliance with
	from site activities		earmarked for 2017 budget	Section Head	licence conditions
	Structural Repairs to	00	Remove and replace the cladding on the western wall of the waste	Section flead	incence conditions
	cladding on shed	30	processing shed where panel is damaged	Individual	Installation of infrastructure
	Rainwater harvesting and	30	processing sinca where paner is damaged	marriada	Improved Environmental
	reuse	25	reuse harvested rainwater in bin washing	Individual	Management Practices
•	Purchase of new Waste	23	rease narvested raniwater in our washing	maividual	indiagement riactices
	collection vehicles	25	Purchase new RCVs, and skip trucks	Individual	Reduced emissions

Noise monitoring summary report	Lic No:	W0240-01	Year 2016
1 Was noise monitoring a licence requirement for the AER period?		Yes	
If yes please fill in table N1 noise summary below			
	Noise		
2 Was noise monitoring carried out using the EPA Guidance note including completion of the "Checklist for noise	Guidance	Yes	
measurement report" included in the guidance note as table 6?	note NG4		
3 Does your site have a noise reduction plan		No	
4 When was the noise reduction plan last updated?			
5 Have there been changes relevant to site noise emissions (e.g. plant or operational changes) since the last no	ise survey?	No	

Table N1: Noise monitoring	summary										
Date of monitoring	Time period	Noise location (on site)	Noise sensitive location -NSL (if applicable)	$LA_{eq}$	LA <sub>90</sub>	LA <sub>10</sub>	LA <sub>max</sub>	Tonal or Impulsive noise* (Y/N)	If tonal /impulsive noise was identified was 5dB penalty applied?	Comments (ex. main noise sources on site, & extraneous noise ex. road traffic)	Is <u>site</u> compliant with noise limits (day/evening/night)?
5 <sup>th</sup> & 8 <sup>th</sup> December 2016	30 Mins	N1		58-69	57-75	46-52	82-83	No	SELECT	Site –AES trucks entering yard & engines left running while on weighbridge. People talking on weighbridge audible. Reversing beacons on trucks. Sweeping and cleaning of rubbish in yard by wash are audible.(40m) Van engine parked and revving next to noise meter → LAFmax Round 1 Background – Heavy traffic on the Limerick Road (dominant). Bird singing. Alarm was sounding during run 1.	No
5 <sup>th</sup> & 8 <sup>th</sup> December 2016	30 Mins	N2		57-58	56-59	47-49	80-82	No		Site – Lorry's idling on weighbridge. Passing site traffic (mostly trucks/lorry) + associated banging and rattling chains on AES skips. Banging from waste shed.  Reversing alarms on trucks/machinery. Machinery operating in recycling shed. Revering truck engine within 2m of meter.  Background – Constant Traffic on Limerick road. Bird singing, Dog barking loudly.	Yes
5 <sup>th</sup> & 8 <sup>th</sup> December 2016	30 Mins	N3		62-65	63-67	50-52	81-88	No		Site – Lorries idling in yard awaiting entry to waste storage area loading & unloading skips. Rev. alarms, chains rattling. Front loader banging on ground in front of shed, Reversing truck engine within 2-3m of meter. Skip offloaded LAFmax Round 1 Background – Passing traffic on the Dark Road and Bird singing	No
5 <sup>th</sup> & 8 <sup>th</sup> December 2016	30 Mins	N4		53-58	56-60	46-53	75-78	No		Site – Machinery operating in waste shed with reversing alarms. Banging of skips Background – Passing road traffic on the Kilcolman and Dark Road → Dominant. Work on roof of house across the road from site domain noise source during round 1	No
5 <sup>th</sup> & 8 <sup>th</sup> December 2016	30 Mins		NSL-1	56-61	57-60	48-52	77-87	No		Site – Occasional lorries entering/exiting site (25m). Movement of lorries. Rattling of skip chains. Reversing beacons. Background – Heavy traffic on Limerick, Kilcolman and Dark Roads → Dominant Bird calls	Yes

		5 <sup>th</sup> & 8 <sup>th</sup> December 2016	30 Mins		NSL-2	53-54	52-53	46-48	75-81	No		Site – Lorry engines + reversing alarms Sweeper occasionally faintly audible. Background – Constant heavy traffic on Limerick & Kilcolman Roads → Dominant Bird singing. Sirens audible during run 3	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?

nothing\*\*

 $\ensuremath{^{**}}$  please explain the reason for not taking action/resolution of noise issues?

Any additional comments? (less than 200 words)

#### Resource Usage/Energy efficiency summary Lic No: W0240-01 Year

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

SEAI - Large **Industry Energy** 

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

Network (LIEN) Where Fuel Oil is used in boilers on site is the sulphur content compliant with licence conditions? Please state percentage in

additional information

	Additional information
SELECT	
SELECT	

Table R1 Energy usag	e on site						
Energy Use	Previous year		compared to previous reporting	Energy Consumption +/- % vs overall site production*		Conversion	
Total Energy Used (MWHrs)	3246.91		,			Kerosene	0.009821 MV
otal Energy Generated (MWHrs)						Gasoil	0.010165 kW
otal Renewable Energy Generated (N	/WHrs)					Med FO	0.010786 kW
lectricity Consumption (MWHrs)	29.97	31.086				DERV	0.010169 kW
ossil Fuels Consumption:						Petrol	0.009269 kW
Heavy Fuel Oil (m3)							
Light Fuel Oil (m3)	316.359	312.15529				2015	2016
Natural gas (CMN)					DERV	287334	282990.29
Coal/Solid fuel (metric tonnes)					Gas Oil	29025	29165
eat (metric tonnes)						2921.90	2877.73
Renewable Biomass						295.04	296.46
Renewable energy generated on site						3216.94	3174.19

<sup>\*</sup> 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.

<sup>\*\*</sup> 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		
	Water extracted			, , ,-	Volume Discharged back to	Volume used i.e not discharged to environment e.g. released as steam		
Water use	Previous year m3/yr.	Current year m3/yr.	year**	production*	environment(m <sup>3</sup> yr):	m3/yr	Unaccounted for Water:	
Groundwater								
Surface water								
Public supply								
Recycled water								
Total								

<sup>\*</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.

<sup>\*\*</sup> 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)					
Non-Hazardous (Tonnes)					

Resource Usage/Energy efficiency summary					Lic No:	W0240-01		Year	2016
	Table R4: Energy Audit finding recommendations								
			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 բ	ower is generate	ed onsite (e.g. power ge	neration facilities/foo	d and drink industry	please complete the follow
	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 templa	te			Lic No:	W0240-01		Year	201	5				
		Complaints										='		
•					Additional inform	ation								
Have you received a	ny environmental complaints in the	current reporting year? If yes	nlease complete summary											
nave you received a		ved on site in table 1 below	picase complete sammary	No										
						_								
Table 1	L Complaints summary		Ī											
Tubic 2	complaints summary		Brief description of					7						
			complaint (Free txt <20	Corrective action< 20			Further							
Date	Category	Other type (please specify)	words)	words	Resolution status	Resolution date	information							
Dute	SELECT	Other type (pieuse speeny)	wordsy	Words	SELECT	nesolation date	momation							
	SELECT				SELECT									
	SELECT				SELECT									
	SELECT				SELECT									
	SELECT				SELECT									
Total complaints on	en at start of reporting year				SEEECT									
	ts received during reporting year													
	sed during reporting year													
	ts end of reporting year													
balance of complain	is end of reporting year	-	4											
		Incidents				1								
					Additional inform	ation								
Have any incidents	occurred on site in the current repo	rting year? Please list all incide	ents for current renorting		1									
,	year in Tal			Yes										
	,		Ī		4									
	on on how to report and what													
con	stitutes an incident	What is an incident	1											
			-											
Table 2 Incidents sur	nmary				4	4	4							
						Other	Activity in							
			Incident category*please			cause(please	progress at time			Corrective action<20	Preventative action		Resolution	Likelihood of
Date of occurrence	Incident nature	Location of occurrence	refer to guidance	Receptor	Cause of incident	specify)	of incident	Communication	Occurrence	words	<20 words	Resolution status	date	reoccurence
										AES Nenagh site			A	
										manager and yard			A contract of	
										manager have been	All water on the site		A	
										reminded of the	will be managed to		A contract of	
										importance of	ensure high ammonia		A	
										managing water on	levels do not reoccur		A	
May-16	Breach of ELV	Licenced discharge point (SE	11. Minor	Sewer	Operational contr	ols	Normal activities	EPA	New	the site.	in sewer emissions.	Complete	01/08/2016	Low
											Ensure large items		A	
											such as insects are		A contract of	
											removed from gauges		A contract of	
						Dissolved Bird				Dust gauges cleaned	before they		A contract of	
		Licenced discharge point			Not related to	waste and insects				and hedges to be cut	breakdown and		A	
04/05/2016	Breach of ELV	(D2 & D3)	1. Minor	Air	site activities	in dust gauge	Normal activities	EPA	New	back more regularly.	hedges are cut back.	Complete	08/07/2016	Low
													A	
											Ensure all drivers are		A contract of	
											made aware of the		A	
										On collection of the	dust monitoring		A contract of	
										dust gauges the	locations to prevent		A	
										Environmental	tampering/damage		A contract of	
										technician contacted	when reversing;		A	
										the yard supervisor	Ensure the dust		A contract of	
										and explained how	gauges are checked		A	
										he found the dust	to be free and		A contract of	
		Licenced discharge point			Operational					gauge lodged in the	correctly fixed during		A .	
10/11/2016	Breach of ELV	(D2)	1. Minor	Air	controls	Solids	Normal activities	EPA	New	hedge.	daily site walkovers	Complete	10/01/2017	Low
Total number of		· '	•					1	1		,			1
incidents current														
year	3													
Total number of	1	Ť												
incidents previous														
year	3													
% reduction/		1												
increase	0%	i												

WASTE SUMMARY	Lic No: W	V0240-01	Year	2016	
	<u>P</u>	RTR facility			•
SECTION A-PRTR ON SITE WASTE TREATMENT AND WASTE TRANSFERS TAB-	TO BE COMPLETED BY ALL IPPC AND WASTE FACILITIES	ogon_	dropde	own list click to see options	

TE ACCEPTED ONTO SITE-TO B	

Additional

- 1 Were any wastes <u>accepted onto</u> your site for recovery or disposal or treatment prior to recovery or disposal within the boundaries of your facility ?; (waste generated within your 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
  3 Was waste accepted onto your site that was generated outside the Republic of Ireland? If yes please state the quantity in tonnes in additional information
  No

Licenced annual	EWC code	Source of waste accepted	Description of waste	Quantity of waste	Quantity of waste accepted in	Reduction/Incr	Reason for	Packaging Content (%)-	Disposal/Recovery or	Quantity of	Comments
nnage limit for your		·	accepted	accepted in current	previous reporting year (tonnes)	ease over	reduction/increase	only applies if the	treatment operation carried	waste	
site (total			Please enter an	reporting year (tonnes)	, , , ,	previous year	from previous	waste has a packaging	out at your site and the	remaining on	
tonnes/annum)			accurate and detailed			+/ - %	reporting year	component	description of this operation	site at the end	
torines/ armami			description - which			17 - 76	reporting year	component	description of this operation	of reporting	
			applies to relevant EWC							year (tonnes)	
			code								
	European Waste Catalogue EWC		European Waste								
	<u>codes</u>		Catalogue EWC codes								
		15- WASTE PACKAGING;									
		ABSORBENTS, WIPING							R13-Storage of waste pending		
		CLOTHS, FILTER MATERIALS					Increase in		any of the operations		
		AND PROTECTIVE CLOTHING	Paper and cardboard				Commercial waste		numbered R1 to R12 (excluding		
24750	15 01 01		packaging	672.91	641.556	5%	intake	100%	temporary storage)	4	
		15- WASTE PACKAGING;							, , , , , , , , , , , , , , , , , , , ,		
		ABSORBENTS, WIPING							R13-Storage of waste pending		
		CLOTHS, FILTER MATERIALS							any of the operations		
		AND PROTECTIVE CLOTHING					Waste stream		numbered R1 to R12 (excluding		l
	15.01.03			450.40	475.045			4000			
	15 01 02	NOT OTHERWISE SPECIFIED	piastic packaging	159.48	175.345	-9%	diverted from site	100%	temporary storage)		
									R3-Recycling/reclamation or		
									organic substances which are		
		15- WASTE PACKAGING;							not used as solvents(including		l
		ABSORBENTS, WIPING							composting asnother biological		
		CLOTHS, FILTER MATERIALS					Increase in		transformation		
		AND PROTECTIVE CLOTHING					Commercial waste		processes)which includes		
	15 01 03	NOT OTHERWISE SPECIFIED	Wooden packaging	354.97	188.3	89%	intake	100%	gasification and pyrolisis		
		15- WASTE PACKAGING;							,		
		ABSORBENTS, WIPING									
		CLOTHS, FILTER MATERIALS									
		AND PROTECTIVE CLOTHING					improved coding				
	45.04.04		Metallic Packaging			100%	practices				
	15 01 04		ivietallic Packaging	1.4	u	100%	practices				
		15- WASTE PACKAGING;									
		ABSORBENTS, WIPING							R13-Storage of waste pending		
		CLOTHS, FILTER MATERIALS					Increase in		any of the operations		
		AND PROTECTIVE CLOTHING					Commercial waste		numbered R1 to R12 (excluding		
	15 01 07		Glass Packaging	421.44	371.0401	14%	intake	100%	temporary storage)	14	
		17- CONSTRUCTION AND							R13-Storage of waste pending		
		DEMOLITION WASTES					greater		any of the operations		
		(INCLUDING EXCAVATED SOIL					segregation at		numbered R1 to R12 (excluding		
	17 01 02	FROM CONTAMINATED SITES)	Bricks	0	7.04	100%	source	0%	temporary storage)		
	2	17- CONSTRUCTION AND							R13-Storage of waste pending		
		DEMOLITION WASTES							any of the operations		l
		(INCLUDING EXCAVATED SOIL					Increase in C& D		numbered R1 to R12 (excluding		
	170201	FROM CONTAMINATED SITES)	Wood from CRD co	116.9	90.82	200	activities	00/	temporary storage)	11	l
	1/0201	PROWI CONTAININATED SITES)	WOOD ITOITI CAD SOURCES	116.9	90.82	29%	ucuvities	0%		- 11	
									R5-Recycling/reclamation or		l
									other inorganic materials		
		17- CONSTRUCTION AND							which includes soil celaning		1
		DEMOLITION WASTES							resuling in recovery of the soil		l
		(INCLUDING EXCAVATED SOIL					diversion of waste		and recycling of inorganic		
	170202	FROM CONTAMINATED SITES)	Glass from C&D sources	0	6.44	100%	stream	0%	construction materials		
		17- CONSTRUCTION AND									
		DEMOLITION WASTES									
		(INCLUDING EXCAVATED SOIL					diversion of waste				
	170203	FROM CONTAMINATED SITES)			0.82	100%	stream	0%			l
	170203	17- CONSTRUCTION AND		0	0.82	100%	ou cam	0%			l
		DEMOLITION WASTES									l
											l
		(INCLUDING EXCAVATED SOIL					diversion of waste		R4- Recycling/reclamation of		l
	170407	FROM CONTAMINATED SITES)	Mixed C&D Metals	45	51.13	-12%	stream	0%	metals and metal compounds		

WASTE SUMMARY					Lic No:	W0240-01	Year	2016		
JIL GOILLIAN		17- CONSTRUCTION AND	1					-Storage of waste pending	1	
			d Construction &					of the operations		
			olition wastes (non-			increase in C&D		bered R1 to R12 (excluding		
	17 09 04	FROM CONTAMINATED SITES) hazard		224.6	27.78			porary storage)		
	1, 03 04	18- WASTES FROM HUMAN	dodaj	224.0	27.70	70070 delivity	O/O CEMP	porury storage)		
		OR ANIMAL HEALTH CARE								
		AND/OR RELATED RESEARCH								
		(except kitchen and								
		restaurant wastes not arising								
		from immediate RESEARCH					p12.	-Storage of waste pending		
		(except kitchen and						of the operations		
		restaurant wastes not arising Non-H	Hazardous Hospital					bered R1 to R12 (excluding		
	18 01 04	from immediate health care) waste		0.56	0	100% new waste stream		porary storage)		
	18 01 04	19- WASTES FROM WASTE	:	0.30	0	100% New Waste stream	0% temp	porary storage)		
		MANAGEMENT FACILITIES,								
		OFF-SITE WASTE WATER								
		TREATMENT PLANTS AND THE								
			nings (wastes from				P13	Storage of waste pending		
			nings (wastes from water treatment					Storage of waste pending of the operations		
			s not otherwise			diversion of waste		of the operations obered R1 to R12 (excluding		
	100001				2.02					
	190801	FOR INDUSTRIAL USE specifi	neuj	U	2.92	-100% stream	U% temp	porary storage)		
		20- MUNICIPAL WASTES								
		(HOUSEHOLD WASTE AND SIMILAR COMMERCIAL,								
							242	6. 6 . 1		
		INDUSTRIAL AND						-Storage of waste pending		
		INSTITUTIONAL WASTES)						of the operations		
		INCLUDING SEPARATELY				diversion of waste		bered R1 to R12 (excluding		
	200102		cipal Glass	23	27.7	-17% stream	0% temp	porary storage)		
		20- MUNICIPAL WASTES								
		(HOUSEHOLD WASTE AND								
		SIMILAR COMMERCIAL,								
		INDUSTRIAL AND						-Storage of waste pending		
		INSTITUTIONAL WASTES)						of the operations		
			gradable kitchen			increase in waste		bered R1 to R12 (excluding		
	200108		anteen waste	1689.112	1591.41	100% generation		porary storage)		
		20- MUNICIPAL WASTES						Recycling/reclamation or		
		(HOUSEHOLD WASTE AND						nic substances which are		
		SIMILAR COMMERCIAL,						used as solvents(including		
		INDUSTRIAL AND						posting asnother biological		
		INSTITUTIONAL WASTES)						sformation		
		INCLUDING SEPARATELY				no significant		esses)which includes		
	200138		cipal Wood	1.46	1.42	3% change		fication and pyrolisis		
		20- MUNICIPAL WASTES						Recycling/reclamation or		
		(HOUSEHOLD WASTE AND						nic substances which are		
		SIMILAR COMMERCIAL,						used as solvents(including		
		INDUSTRIAL AND						posting asnother biological		
		INSTITUTIONAL WASTES)						sformation		
		INCLUDING SEPARATELY				no significant	proce	cesses)which includes		
	200139		cipal Plastic	224.2	220.332	2% change	0% gasif	fication and pyrolisis	6	
		20- MUNICIPAL WASTES								
		(HOUSEHOLD WASTE AND								
		SIMILAR COMMERCIAL,								
		INDUSTRIAL AND								
		INSTITUTIONAL WASTES)								
		INCLUDING SEPARATELY				improved coding	R4- F	Recycling/reclamation of		
	200140		cipal Metals	110.9	76.97	44% practices	0% meta	als and metal compounds	1.5	
		20- MUNICIPAL WASTES	İ							
		(HOUSEHOLD WASTE AND								
		SIMILAR COMMERCIAL,								
		INDUSTRIAL AND					R13-	-Storage of waste pending		
			gradable wastes					of the operations		
			garden and Park			diversion of waste		bered R1 to R12 (excluding		
	20 02 01	COLLECTED FRACTIONS wastes		0.8	2.74			porary storage)		
			-,	0.0	2.74		270 1001115	,		

ASTE SUMMARY				Lic No:	W0240-01		Year	2016		
								R12-Exchange of waste for		
								submission to any of the		
								operations numbered R1 to		
								R11 (if there is no other R code		
								appropriate, this can include		
								preliminary operations prior to		
								recovery including pre-		
								processing such as amongst		
								others, dismantling, sorting,		
	20- MUNICIPAL WASTES							crushing, compacting,		
	(HOUSEHOLD WASTE AND							pelletising, drying, shredding,		
	SIMILAR COMMERCIAL,							conditioning, repackaging,		
	INDUSTRIAL AND							seperating, blending or mixing		
	INSTITUTIONAL WASTES)							prior to submission to any of		
	INCLUDING SEPARATELY					no significant		the operations numbered R1 to		
20 03 01		Mixed Municipal Waste	15460.74	14563.05	6%	change	0%	R11)	60	
	20- MUNICIPAL WASTES									
	(HOUSEHOLD WASTE AND									
	SIMILAR COMMERCIAL,									
	INDUSTRIAL AND							R13-Storage of waste pending		
	INSTITUTIONAL WASTES)							any of the operations		
	INCLUDING SEPARATELY					no significant		numbered R1 to R12 (excluding		
20 03 01		Mixed Recyclable Waste	4307.7076	4417.1068	-2%	change	0%	temporary storage)	25	
	20- MUNICIPAL WASTES									
	(HOUSEHOLD WASTE AND									
	SIMILAR COMMERCIAL,									
	INDUSTRIAL AND							R13-Storage of waste pending		
	INSTITUTIONAL WASTES)							any of the operations		
		Street-Cleansing				no significant		numbered R1 to R12 (excluding		
20 03 03		residues	249.52	254.23	-2%	change	0%	temporary storage)		
	20- MUNICIPAL WASTES									
	(HOUSEHOLD WASTE AND									
	SIMILAR COMMERCIAL,									
	INDUSTRIAL AND							R13-Storage of waste pending		
	INSTITUTIONAL WASTES)							any of the operations		
	INCLUDING SEPARATELY					diversion of waste		numbered R1 to R12 (excluding		
20 03 07	COLLECTED FRACTIONS	Bulky Waste	669.8	806.622	-17%	stream	0%	temporary storage)	14	
						1				1

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

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

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

6 Does your facility have relevant nuisance controls in place?
7 Do you have an odour management system in place for your facility? If no why?
8 Do you maintain a sludge register on site?

SELECT	
SELECT	
SELECT	
SELECT	

SELECT	
SELECT	
SELECT	

### SECTION D-TO BE COMPLETED BY LANDFILL SITES ONLY

Table 2 Waste type and tonnage-landfill only

Waste types permitted for disposal	Authorised/licenced annual intake for disposal (tpa)	Actual intake for disposal in reporting year (tpa)	Remaining licensed capacity at end of reporting year (m3)	Comments

Table 3 General information-Landfill only

Area ID	Date landfilling commenced	Date landfilling ceased	Currently landfilling	Private or Public Operated	Inert or non-hazardous	Predicted date to cease	Licence permits asbestos	Is there a separate cell for asbestos?	Accepted asbestos in reporting year		Lined disposal area occupied by waste	Unlined area	Comments on liner type
				•		ianurining				SELECT UNIT	SELECT UNIT	SELECT UNIT	
Cell 8													

WASTE SUMMARY	Lic No:	W0240-01	Year	2016

Table 4 Environmental monitoring-landfill on Landfill Manual-Monitoring Standards

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

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

Table 5 Capping-Landfill only

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

\*please note this includes daily cover area

#### Table 6 Leachate-Landfill only

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

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

SE	LE	CT		
SE	LE	СТ		

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

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

Table 7 Landfill Gas-Landfill only

Gas Captured&Treated by LFG System m3	Power generated (MW / KWh)	Used on-site or to national grid	Was surface emissions monitoring performed during the reporting year?	Comments
			SELECT	



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# **Guidance to completing the PRTR workbook**

# **PRTR Returns Workbook**

/ersion 1.1.19

# REFERENCE YEAR 2016

#### 1. FACILITY IDENTIFICATION

Parent Company Name	Advanced Environmental Solutions (Ireland) Limited
Facility Name	Advanced Environmental Solutions (Ireland) Limited (Nenagh)
PRTR Identification Number	W0240
Licence Number	W0240-01

#### Classes of Activity

Classes of Activity	
No.	class_name
•	Refer to PRTR class activities below

	Solsborough
	Springfort Cross
Address 3	Nenagh
Address 4	
	Tipperary
Country	Ireland
Coordinates of Location	-8.22389 52.85971
River Basin District	IEGBNISH
NACE Code	3900
Main Economic Activity	Remediation activities and other waste management services
AER Returns Contact Name	Charlotte Greene
AER Returns Contact Email Address	
AER Returns Contact Position	Environmental Officer
AER Returns Contact Telephone Number	045439492
AER Returns Contact Mobile Phone Number	0877697465
AER Returns Contact Fax Number	
Production Volume	0.0
Production Volume Units	
Number of Installations	0
Number of Operating Hours in Year	0
Number of Employees	1
User Feedback/Comments	incorrect NACE Code listed - Correct Code is 3821 Treatment and
	Disposal of Non-Hazardous Waste
Web Address	http://www.aesirl.ie

#### 2. PRTR CLASS ACTIVITIES

Activity Number	Activity Name
5(c)	Installations for the disposal of non-hazardous waste

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

5: GOEVENTO REGUEATIONS (G.I. NO. 545 OF 2002)	
Is it applicable? No	)
Have you been granted an exemption?	

| PRTR# : W0240 | Facility Name : Advanced Environmental Solutions (Ireland) Limited (Nenagh) | Filename : w0240\_2016.xls | Return Year : 2016 |

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
4. WASTE IMPORTED/ACCEPTED ONTO SITE	Guidance on waste imported/accepted onto site

4.1 RELEASES TO AIR

Link to previous years emissions data

| PRTR#: W0240 | Facility Name: Advanced Environmental Solutions (Ireland) Limited (Nenagh) | Filename: w0240\_2016.xls | Return Year: 2016 |

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#### SECTION A: SECTOR SPECIFIC PRTR POLLUTANTS

RELEASES TO AIR					Please enter all quantities in this section in KGs			
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

<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			METHOD		QUANTITY				
		Method Used							
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accider	ntal) 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 C: REMAINING POLLUTANT EMISSIONS (As required in your Licence)

	RELEASES TO AIR		Please enter all quantities in this section in KGs								
PO	LLUTANT			METHOD	QUANTITY						
		Method Used									
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accider	ntal) 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

#### 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 below:

Advanced Environmental Solutions (Ireland) Limited

	Advanced Environmental Solutions (Ireland) Limited					
Landfill:	(Nenagh)				<u></u>	
Please enter summary data on the						
quantities of methane flared and / or						
utilised			Meth	nod Used		
				Designation or	Facility Total Capacity m3	
	T (Total) kg/Year	M/C/E	Method Code	Description	per hour	
Total estimated methane generation (as per						
site model)	0.0				N/A	
Methane flared	0.0				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	

**4.2 RELEASES TO WATERS** 

Link to previous years emissions data

PRTR#: W0240 | Facility Name: Advanced Environmental Solutions (Ireland) Limited (Nenagh) | Filename: w0240\_2016.xls | Return Year: 2016 |

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SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS
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SECTION A : SECTOR SPECIFIC PRTR POL	LUTANTS	Data on an	nbient monitoring o	f storm/surface water or groundw	ater, conducted as part of yo	our lice	nce requirements, sho	uld NOT be submitte	ed under AE	R / PRTR Reporting as this	
	RELEASES TO WATERS	Please enter all quantities in this section in KGs									
PO	LLUTANT		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	0.0	

<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 WATERS		Please enter all quantities in this section in KGs								
POL	LUTANT				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	0.0			

<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											
				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

#### 4.3 RELEASES TO WASTEWATER OR SEWER

Link to previous years emissions data

| PRTR# : W0240 | Facility Name : Advanced Environmental Solutions (Ireland) Limited (Nenagh) | Filen

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#### SECTION A: PRTR POLLUTANTS

	OFFSITE TRANSFER OF POLLUTANTS DESTINED FO	Please enter all quantities in this section in KGs								
	POLLUTANT		METI	HOD	QUANTITY					
			N	lethod 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 B: REMAINING POLLUTANT EMISSIONS (as required in your Licence)

	OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE	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	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

4.4 RELEASES TO LAND

Link to previous years emissions data

| PRTR# : W0240 | Facility Name : Advanced Environmental Solutions (Ireland) Limited (Nenagh) | Filename : w0240\_2016.xls | Return Year : 2016

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**SECTION A: PRTR POLLUTANTS** 

020110111111111111111111111111111111111							
	RELEASES TO LAND						
PO	LLUTANT		METHO	D			QUANTITY
			Met	hod Used			
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year
					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)

020110112111211111111111111111111111111	RELEASES TO LAND  Please enter all quantities in this section in KGs										
	Please enter all quantities	in this section in KGs	5								
PO	LLUTANT		METHO	D		QUANTITY					
	Method Used		hod Used								
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) 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

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE | PRTR#: W0240 | Facility Name: Advanced Environmental Solutions (Ireland) Limited (Nenagh) | Filename: w0240\_2016.x/s | Return Year: 2016 | 09/05/2017 23:39 all quantities on this sheet in Tonnes Haz Waste : Name and cence/Permit No of Next Destinati Haz Waste: Address of Next Quantity Destination Facility Name and License / Permit No. and Non Haz Waste: (Tonnes per i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY) Name and Licence/Permit No of Non Haz Waste: Address of ddress of Final Recoverer / Dispos (HAZARDOUS WASTE ONLY) Year) Method Used Recover/Disposer Recover/Disposer Waste European Waste Location of Treatmen Transfer Destination Code Hazardous Description of Waste N/C/E Method Used Operation Treatment ENVA Ireland Ltd., W0184 Clonminam Industrial Clonminam Industrial 01.Clonminam Industrial Estate, Portlaoise, Co. Estate Portlagise Co. Estate Portlagise Co. Offsite in Ireland ENVA Ireland Ltd., W0184-01 Laois,.,Ireland Within the Country 13 05 07 0.0 oily water from oil/water separators D9 Weighed Yes М Laois Ireland Laois Ireland Rilta Environmental Limited.W0192-03.Block 402 Padraic Thornton Waste Grant's Drive, Greenogue Block 402 Grant's Disposal Ltd trading as Unit S3B ,Henry Road,Park Business Drive, Greenogue Business Thorntons Recycling, WFP-West Business Park, Rathcoole, County Park, Rathcoole, County Within the Country 13 05 07 0.0 oily water from oil/water separators D9 М Weighed Offsite in Ireland KE-10-0061-01 Park, Dublin, Ireland Dublin, Ireland Dublin,Ireland Cappincur Industrial Estate, Daingean Road, Tullamore, Co. Within the Country 15 01 01 190.4 paper and cardboard packaging Weighed Offsite in Ireland AES Tullamore, W0104-03 Offaly, Ireland R13 М No Ballykeefe Townland ,Dock Within the Country 15 01 01 250,421 paper and cardboard packaging R13 М Weighed Offsite in Ireland Greenstar Ltd.W0082-02 Road.Limerick...Ireland No Ballymount Road, Walkinstown, Dublin, 12 Irish Packaging Weighed Within the Country 15 01 01 Nο 0.0 paper and cardboard packaging R13 M Offsite in Ireland Recycling,W0263-01 Ireland Ballykeefe Townland Dock Within the Country 15 01 01 No 0.0 paper and cardboard packaging R13 M Weighed Offsite in Ireland Greenstar Ltd, W0082-02 Road, Limerick... Ireland Clermont Business Leinster Environmentals, WP Park, Haggardstown, Dundalk, Within the Country 15 01 02 65.68 plastic packaging R3 М Weighed Offsite in Ireland 2008/06 Co. Louth, Ireland Ballymount Irish Packaging Road, Walkinstown, Dublin, 12 Weighed Within the Country 15 01 02 Nο 0.0 plastic packaging R13 Offsite in Ireland Recycling, W0263-01 ,Ireland Cappincur Industrial Estate, Daingean Road, Tullamore, Co. Offsite in Ireland AES Tullamore, W0104-03 Within the Country 15 01 02 0.0 plastic packaging R13 Offaly, Ireland No М Weighed Mountrath Sawmills .Shannon Street Within the Country 15 01 03 Offsite in Ireland CJ SHeeran .P0337-01 Mountrath Co. Laois, Ireland 0.0 wooden packaging R3 M Weighed Nο Thomas O'Neill (Timber recycling)
Offsite in Ireland Ltd.WFP/LK/2012/05B/R1 18 Upper William Within the Country 15 01 03 R3 Street.Limerick.....Ireland Nο 0.0 wooden packaging М Weighed Clonmel Waste Disposal Lawlesstown, Clonmel, Co. Within the Country 15 01 03 No 512.58 wooden packaging R13 М Weighed Offsite in Ireland Ltd,WFP-TS-11-0001-01 Tipperary,,,Ireland Ballymount Irish Packaging Road, Walkinstown, Dublin, 12 Within the Country 15 01 03 0.0 wooden packaging R13 М Weighed Offsite in Ireland Recycling, W0263-01 ,Ireland Cappincur Industrial Estate, Daingean Road, Tullamore, Co. Within the Country 15 01 03 R13 М Weighed Offsite in Ireland AES Tullamore, W0104-03 Offaly, Ireland No 0.0 wooden packaging Killmainham, Kells, Co. Meath,,,Ireland Within the Country 15 01 03 R13 М Weighed Offsite in Ireland Paddy Daly. No 0.0 wooden packaging Thomas O'Neill (Timber 18 Upper William recyclina) Offsite in Ireland Ltd,WFP/LK/2012/05B/R1 Within the Country 15 01 03 0.0 wooden packaging R13 М Weighed Street.Limerick.....Ireland No Killmainham, Kells, Co. Offsite in Ireland Paddy Daly... Within the Country 15 01 03 Nο 0.0 wooden packaging R13 M Weighed Meath Ireland Cappincur Industrial Estate, Daingean KMK Metals Recycling Road, Tullamore, Offaly, Irelan 0.0 metallic packaging Within the Country 15 01 04 R13 Weighed Offsite in Ireland Ltd,W0113-03 Unit 4 Osberstown Industrial Rehab Glassco Ltd, WFP-KE- Park, Caragh Road, Naas, Co. Within the Country 15 01 07 439.42 glass packaging Weighed 08-0357-01 Kildare, Ireland

Drehid Waste Management

Offsite in Ireland Facility, W0201-03

Killinagh Upper, Carbury, Co.

Kildare...Ireland

0.0 concrete

No

R13

Weighed

Within the Country 17 01 01

		1			1							
			Quantity						Haz Waste: Name and Licence/Permit No of Next Destination	Haz Waste : Address of Next		
			(Tonnes per						Facility Non Haz Waste: Name and Licence/Permit No of	Destination Facility Non Haz Waste: Address of	Name and License / Permit No. and Address of Final Recoverer / Disposer	Actual Address of Final Destination i.e. Final Recovery / Disposal Site
			Year)				Method Used		Recover/Disposer	Recover/Disposer	(HAZARDOUS WASTE ONLY)	(HAZARDOUS WASTE ONLY)
	European Waste				Waste Treatment			Location of				
Transfer Destination	Code	Hazardous		Description of Waste	Operation	M/C/E	Method Used	Treatment				
Within the Country	17 01 01	No	227.44	4 concrete	R13	М	Weighed	Offsite in Ireland	Williams Sand & Gravel,WFT-TS-09-0084-01	Carrickconeen,.,Co. Tipperary,.,Ireland Killmainham,Kells,Co.		
Within the Country	17 01 02	No	0.0	bricks mixture of concrete, bricks, tiles and	R13	М	Weighed	Offsite in Ireland		Meath,.,Ireland		
Within the Country	17 01 07	No	0.0	ceramics other than those mentioned in 17 0 01 06	R13	М	Weighed	Offsite in Ireland	Thomas O'Neill (Timber	Gortadroma,Ballyhahill,Limer ick,.,Ireland		
Within the Country	17 02 01	No	0.0	) wood	R3	М	Weighed	Offsite in Ireland	recycling) Ltd,WFP/LK/2012/05B/R1 Thomas O'Neill (Grain	18 Upper William Street,Limerick,,Ireland 18 Upper William		
Within the Country	17 02 01	No	0.0	) wood	R13	М	Weighed	Offsite in Ireland	Merchant) Ltd,WP LK 05(a) Clonmel Waste Disposal	Street,Limerick,,Ireland Lawlesstown,Clonmel,Co.		
Within the Country	17 02 01	No	12.78	3 wood	R13	М	Weighed	Offsite in Ireland	Ltd,WFP-TS-11-0001-01	Tipperary,.,Ireland Killmainham,Kells,Co.		
Within the Country	17 02 01	No	0.0	) wood	R13	М	Weighed	Offsite in Ireland		Meath,.,Ireland Eastway Business		
Within the Country	17 04 05	No	0.0	) iron and steel	R13	М	Weighed	Offsite in Ireland	Clearcircle Metals (formerly	Park,Ballysimon,Limerick,.,Ir eland		
Within the Country	17 04 07	No	0.0	) mixed metals	R13	М	Weighed	Offsite in Ireland	Hegarty Metal Recycling Ltd.),WFP-LKC-11-001-01	Ballysimon Road,Limerick,,Ireland Eastway Business		
Within the Country	17 04 07	No	199.91	1 mixed metals	R13	М	Weighed	Offsite in Ireland	United Metals ,WFP/LK/2010/147A/R1	Park,Ballysimon,Limerick,.,Ir eland Eastway Business		
Within the Country	17 04 11	No	0.0	cables other than those mentioned in 17 04 0 10 mixed construction and demolition wastes	R13	М	Weighed	Offsite in Ireland	United Metals ,WFP/LK/2010/147A/R1	Park,Ballysimon,Limerick,.,Ir eland		
Within the Country	17 09 04	No	0.0	other than those mentioned in 17 09 01, 17 0 09 02 and 17 09 03 mixed construction and demolition wastes	D1	М	Weighed	Offsite in Ireland		Gortadroma,Ballyhahill,Limer ick,.,Ireland Eastway Business		
Within the Country	17 09 04	No	0.0	other than those mentioned in 17 09 01, 17 0 09 02 and 17 09 03	R13	М	Weighed	Offsite in Ireland	United Metals ,WFP/LK/2010/147A/R1	Park,Ballysimon,Limerick,.,Ir eland Cappincur Industrial Estate,Daingean		
Within the Country	20 01 01	No	0.0	) paper and cardboard	R13	М	Weighed	Offsite in Ireland	AES Tullamore,W0104-03	Road, Tullamore, Co. Offaly, Ireland Archerstown Industrial		
Within the Country	20 01 08	No	1635.59	biodegradable kitchen and canteen waste	R3	М	Weighed	Offsite in Ireland	Acorn Recycling,W0249-01	Estate,Thurles,Co. Tipperary,.,Ireland Milltown More &		
Within the Country	20 01 08	No	0.0	) biodegradable kitchen and canteen waste	R3	М	Weighed	Offsite in Ireland		Moorstown,Fethard,Co. Tipperary,,,Ireland		
Within the Country	20 01 08	No	0.0	) biodegradable kitchen and canteen waste	R3	М	Weighed	Offsite in Ireland	Drehid Waste Management Facility,W0201-03	Killinagh Upper,Carbury,Co. Kildare,.,Ireland Cappincur Industrial		
Within the Country	20 01 36	No	0.0	discarded electrical and electronic equipment other than those mentioned in 20 0 01 21, 20 01 23 and 20 01 35	R13	М	Weighed	Offsite in Ireland	KMK Metals Recycling Ltd,W0113-03	Estate, Daingean Road, Tullamore, Offaly, Irelan d		
Within the Country	20 01 36	No	0.0	discarded electrical and electronic equipment other than those mentioned in 20 0 01 21, 20 01 23 and 20 01 35	R13	М	Weighed	Offsite in Ireland	KMK Metals Recycling Ltd,W0113-03	Cappincur Industrial Estate, Daingean Road, Tullamore, Offaly, Irelan d Ballymount		
Within the Country	20 01 39	No	0.0	) plastics	R13	М	Weighed	Offsite in Ireland	Irish Packaging Recycling,W0263-01	Road, Walkinstown, Dublin, 12 , Ireland Killeen		
Within the Country	20 01 39	No	0.0	) plastics	R13	М	Weighed	Offsite in Ireland		Road,Ballyfermot,Dublin,10,I reland Clermont Business		
Within the Country	20 01 39	No	0.0	) plastics	R13	М	Weighed	Offsite in Ireland	2008/06 Clearcircle Metals (formerly	Park,Haggardstown,Dundalk, Co. Louth,Ireland		
Within the Country	20 01 40	No	23.48	3 metals	R13	М	Weighed	Offsite in Ireland	Hegarty Metal Recycling Ltd.),WFP-LKC-11-001-01	Ballysimon Road,Limerick,.,,,Ireland		

					I					Her Wester News and			
				Quantity						Haz Waste: Name and Licence/Permit No of Next Destination	Haz Waste : Address of Next		
				(Tonnes per						Facility Non Haz Waste: Name and Licence/Permit No of	Destination Facility Non Haz Waste: Address of	Name and License / Permit No. and Address of Final Recoverer / Disposer	Actual Address of Final Destination i.e. Final Recovery / Disposal Site
				Year)		Waste		Method Used	_	Recover/Disposer	Recover/Disposer	(HAZARDOUS WASTE ONLY)	(HAZARDOUS WASTE ONLY)
		European Waste				Treatment			Location of				
Transfe	r Destination	Code	Hazardous		Description of Waste	Operation	M/C/E	Method Used	Treatment		Dellamant		
										Irish Packaging	Ballymount Road, Walkinstown, Dublin, 12		
Within th	ne Country	20 01 40	No	0.0	) metals	R13	M	Weighed	Offsite in Ireland	Recycling,W0263-01	,Ireland		
										United Metals	Eastway Business Park,Ballysimon,Limerick,.,Ir		
Within th	ne Country	20 01 40	No	1.1	metals	R13	M	Weighed	Offsite in Ireland	,WFP/LK/2010/147A/R1	eland		
										Thomas O'Neill (Timber recycling)	18 Upper William		
Within th	ne Country	20 02 01	No	0.0	) biodegradable waste	R3	M	Weighed	Offsite in Ireland	Ltd,WFP/LK/2012/05B/R1	Street,Limerick,,Ireland		
										Maria III.	Proudstown		
Within th	ne Country	20 03 01	No	0.0	) mixed municipal waste	D13	M	Weighed	Offsite in Ireland	Midland Waste Disposal Ltd (AES Navan),W0131-02	Road,Clonmagadden Navan,Co Meath,,,Ireland		
	•									Drehid Waste Management	Killinagh Upper,Carbury,Co.		
Within th	ne Country	20 03 01	No	10964.875	5 mixed municipal waste	D5	М	Weighed	Offsite in Ireland	Facility,W0201-03 Gortadroma Landfill Site	Kildare,.,Ireland Gortadroma,Ballyhahill,Limer		
Within th	ne Country	20 03 01	No	0.0	) mixed municipal waste	D5	M	Weighed	Offsite in Ireland		ick,.,lreland		
										Thorntons Recycling	Killeen Road,Ballyfermot,Dublin,10,I		
Within th	ne Country	20 03 01	No	0.0	) mixed municipal waste	R12	М	Weighed	Offsite in Ireland		reland		
\A/:4b: 4l		20 03 01	Ne	0.0	) as its advantage of seconds	D40		Walabad	Offician in Incland	O'Toole Composting Ltd,WFP-CW-10-0003-01	Ballintrane, Fenagh, Carlow,.,I		
vvitriiri tr	ne Country	20 03 01	No	0.0	) mixed municipal waste	R13	М	Weighed	Offsite in freiand	Killarney Waste Disposal Ltd	reland Aughacurreen ,Killarney		
Within th	ne Country	20 03 01	No	0.0	mixed recyclable waste	R13	M	Weighed	Offsite in Ireland	(KWD),W0217-01	,Co. Kerry,.,Ireland		
											Cappincur Industrial Estate, Daingean		
											Road, Tullamore, Co.		
Within th	ne Country	20 03 01	No	0.0	) mixed municipal waste	R12	М	Weighed	Offsite in Ireland		Offaly,Ireland Killinagh Upper,Carbury,Co.		
Within th	ne Country	20 03 01	No	0.0	) mixed municipal waste	D5	M	Weighed	Offsite in Ireland	Facility,W0201-03	Kildare,.,Ireland		
										Kyletalesha Landfill Laois	Clonsoughy Kyleclonhobert ,Portlaoise,Co.		
Within t	he Country	20 03 01	No	0.0	) mixed municipal waste	D1	М	Weighed	Offsite in Ireland	Co. Co.,W0026-03	Laois,.,Ireland		
\A/:4b: 4l		20.02.04	Ne	0.0	) as its advantage of seconds	D1	М	Walabad	Offician in Incland	Gortadroma Landfill Site	Gortadroma, Ballyhahill, Limer		
vvitilli ti	ne Country	20 03 01	No	0.0	) mixed municipal waste	DI	IVI	Weighed	Offsite in freiand	Limerick Co. Co.,W0017-04	ick,.,Ireland Cappincur Industrial		
											Estate, Daingean		
Within th	ne Country	20 03 01	No	0.0	) mixed municipal waste	R13	М	Weighed	Offsite in Ireland	AES Tullamore,W0104-03	Road,Tullamore,Co. Offaly,Ireland		
											Cappincur Industrial		
											Estate, Daingean Road, Tullamore, Co.		
Within th	ne Country	20 03 01	No	4737.24	Mixed Dry Recyclables	R13	M	Weighed	Offsite in Ireland	AES Tullamore,W0104-03	Offaly,Ireland		
										Midland Waste Disposal Ltd	Proudstown Road,Clonmagadden		
Within th	ne Country	20 03 01	No	0.0	) mixed municipal waste	R13	М	Weighed	Offsite in Ireland	(AES Navan),W0131-02	Navan,Co Meath,.,Ireland		
Within th	ne Country	20 03 01	No	0.0	) mixed municipal waste	R3	М	Weighed	Offsite in Ireland	Drehid Waste Management Facility,W0201-03	Killinagh Upper,Carbury,Co. Kildare,.,Ireland		
vvitilli ti	Country	20 03 01	140	0.0	, mixes municipal waste		(VI	TTEIGHEU		Indaver (Ireland) Ltd,W0167-			
Within th	ne Country	20 03 01	No	1146.42	2 mixed municipal waste	R1	M	Weighed	Offsite in Ireland	03	Meath,.,Ireland Kyletalesha,Mountmellick		
											Road, Portlaoise, Co		
Within th	ne Country	20 03 01	No	3488.79	mixed municipal waste	R13	М	Weighed	Offsite in Ireland		Laois, Ireland		
Within th	ne Country	20 03 03	No	513.68	3 street-cleaning residues	D5	M	Weighed	Offsite in Ireland	Drehid Waste Management Facility,W0201-03	Killinagh Upper,Carbury,Co. Kildare,.,Ireland		
	•									Nurendale Ltd. T/A Panda	Rathdrinagh, Beauparc		
vvitnin ti	ne Country	20 03 07	No	0.0	) bulky waste	R13	М	Weighed	Oirsite in Ireland	Waste Services,W0140-04	Navan,Co. Meath,.,Ireland Proudstown		
14//		00 00 07	NI.		N. I. all and the second of th	Dio		W. C. L.	0".".		Road, Clonmagadden		
Within th	ne Country	20 03 07	No	0.0	bulky waste	R13	М	Weighed	Offsite in Ireland	(AES Navan),W0131-02	Navan,Co Meath,.,Ireland Clonsoughy Kyleclonhobert		
										Kyletalesha Landfill Laois	,Portlaoise,Co.		
Within th	ne Country	20 03 07	No	0.0	) bulky waste	R13	М	Weighed	Offsite in Ireland	Co. Co.,W0026-03	Laois,.,Ireland Cappincur Industrial		
											Estate, Daingean		
\A/ithir 4	o Country	20.02.07	No	0.0	) hulky wasto	D12	М	Weighod	Officito in Iroland	AES Tullamore,W0104-03	Road, Tullamore, Co.		
WITTIIN T	ne Country	20 03 07	No	0.0	) bulky waste	R13	IVI	Weighed	Orisite in Ireland	ALS Tulialliole, WU104-03	Offaly,Ireland		

	European Waste		Quantity (Tonnes per Year)		Waste Treatment		Method Used	Location of	Haz Waste : Name and Licence/Permit No of Next Destination Facility Non Haz Waste: Name and Licence/Permit No of Recover/Disposer	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	Code	Hazardous		Description of Waste	Operation	M/C/E	Method Used	Treatment				
Within the Country	20 03 07	No	0.0	bulky waste	R13	М	Weighed		Ltd,WFP-CW-10-0003-01	Ballintrane,Fenagh,Carlow,,I reland Kyletalesha,Mountmellick Road,Portlaoise.Co		
Within the Country	20 03 07	No	0.0	bulky waste	R13	М	Weighed		AES Portlaoise,W0194-02 O'Toole Composting	Laois, Ireland Ballintrane, Fenagh, Carlow,I		
Within the Country	20 03 07	No	0.0	bulky waste	R13	М	Weighed		Ltd,WFP-CW-10-0003-01	reland Ballynagran ,Coolbeg and		
Within the Country	20 03 01	No	74.34	mixed municipal waste	D5	М	Weighed	Offsite in Ireland	Ballynagran Landfill Ltd,W0165-02 Knockharley Landfill	Kilcandra ,Co Wicklow.,,,Ireland Knockharley ,, Navan , Co.		
Within the Country	20 03 01	No	285.1	mixed municipal waste	D5	M	Weighed	Offsite in Ireland	Ltd.W0146-02	MeathIreland		

<sup>\*</sup> Select a row by double-clicking the Description of Waste then click the delete button