# Annual Environmental Report

Jan 2014 – Dec 2014

2014

# **MULLEADY'S LTD**

**Waste Management** 

Cloonaugh, Drumlish, Co. Longford, Eire Tel: 043 3324128 Fax.: 043 3324731

EPA Licence: W0169-01

Facility Information	Summary					
AER Reporting Year	2014					
Licence Register Number	W0169-01					
Name of site			Mullead	lys Ltd		
Site Location		Mulleadys Ltd Cloonaugh Drumlish Co. Longford				
NACE Code			3811,	3821		
Class/Classes of Activity		Cloonaugh Drumlish Co. Longford 3811, 3821 Principal Class of Activity 3.13				
National Grid Reference (6E, 6 N)			"-7.7835"	53.8063"		

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.

Mulleadys Ltd is a waste recycling and transfer facility licenced to accept 95.000 tonnes of waste per annum. We operate three recycling sheds. Shed 1 deals with all mixed waste from wheelie bins, skips and roll-ons. Recycling and recoverable elements are hand picked off. Trommeling of the waste resummed in February 2014. The oversize (over 50mm) fraction was transfered to landfill or for incineration, the undersize which comprises of waste fines was transfered to a composting plant for stabilisation. Recycling shed 2 deals with Mixed Dry Recyclables coming from municipal collections. All mixed dry recyclables are unloaded to shed 2 floor from where transfered by inclined conveyor to the picking line. Shed 3 is home to the picking line where the segregation of mixed dry recyclables takes place before the material is sent to the various recycling outlets. Mulleadys accepted 34043.020 tonnes of material in reporting period 2014 of which 20% was sent to landfill, 24% sent for incineration, 56% sent for recycling. By continuous introduction of the brown bin we diverted 376 tonnes of organic waste from landfill.

### **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.

of the information is assured to meet licence requirement 27/03/2015

Signature Date

Group/Facility manager

(or nominated, suitably qualified and experienced deputy)

Answer all questions and complete all tables where relevant

2

3

Does your site have licensed air emissions? If yes please complete table A1 and A2 below for the current reporting year and
answer further questions. If you do not have licenced emissions and do not complete a solvent management plan (table A4 and A5) you do not need to complete the tables

During the reporting period three set of results were obtained for dust. Standard method VDI12119 (Measurement of Dustfall, Determination of Dustfall using Bergerhoff Instrument (Standard Method) German Engineering Institute) was utilized for analysis.

Additional information

Periodic/Non-Continuous Monitoring					
Are there any results in breach of licence requirements? If yes please provide brief	details in the comme	nt section of TableA1 below	No		
	Basic air				
				i e e e e e e e e e e e e e e e e e e e	
Was all monitoring carried out in accordance with EPA guidance note AG2 and using	monitoring				
the basic air monitoring checklist?	checklist	AGN2	Yes	i	

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

Emission reference no:	Parameter/ Substance		ELV in licence or any revision therof	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence limit		Annual mass load (kg)	Comments - reason for change in % mass load from previous
No. 1 D1	Dust	29/4/2014 - 28/5/2014	No	350 mg/m2/day	32.2	mg/m2/day	yes	Dust is collected using a jam jar collector, Bergerhoff method.  Determination of Dust	0.011753	3
No. 1 D3	Dust	29/4/2014 - 28/5/2014	No	350 mg/m2/day	15	mg/m2/day	yes	Dust is collected using a jam jar collector, Bergerhoff method.  Determination of Dust	0.005475	
No. 1 D4	Dust	29/4/2014 - 28/5/2014	No	350 mg/m2/day	57.8	mg/m2/day	yes	Dust is collected using a jam jar collector, Bergerhoff method. Determination of Dust	0.021097	7
No. 2 D1	Dust	24/7/2014 - 22/8/2014	No	350 mg/m2/day	149	mg/m2/day	yes	Dust is collected using a jam jar collector, Bergerhoff method.  Determination of Dust	0.054385	5
No. 2 D3	Dust	24/7/2014 - 22/8/2014	No	350 mg/m2/day	77.8	mg/m2/day	yes	Dust is collected using a jam jar collector, Bergerhoff method.  Determination of Dust	0.028397	7
No. 2 D4	Dust	24/7/2014 - 22/8/2014	No	350 mg/m2/day	71.7	mg/m2/day	yes	Dust is collected using a jam jar collector, Bergerhoff method.  Determination of Dust  Dust is collected using a jam jar	0.0261705	5
No. 3 D1	Dust	29/10/2014 - 27/11/2014	No	350 mg/m2/day	20.7	mg/m2/day	yes	collector, Bergerhoff method.  Determination of Dust  Dust is collected using a jam jar	0.0075555	5
No. 3 D3	Dust	29/10/2014 - 27/11/2014	No	350 mg/m2/day	1.84	mg/m2/day	yes	collector, Bergerhoff method.  Determination of Dust  Dust is collected using a jam jar	0.0006716	5
No. 3 D4	Dust	29/10/2014 - 27/11/2014	No	350 mg/m2/day	1.24	mg/m2/day	yes	collector, Bergerhoff method.  Determination of Dust	0.0004526	5

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

	AIR-summary t	template				Lic No:	W0169-01		Year	2014	
		Cont	inuous Monitoring								
4	Does your site carr	ry out continuous air emis	sions monitoring?			No					
	If yes please rev	view your continuous mon	itoring data and report the required fields Emission Limit Value (ELV)	below in Table A2 a	and compare it to its relevant					_	
5	Did continuous mo	onitoring equipment exper	ience downtime? If yes please record dowr	ntime in table A2 be	low	No				_	
6	Do you have a proa	active service agreement fo	or each piece of continuous monitoring equ	uipment?		No					
7		Did your site experience a	iny abatement system bypasses? If yes plea	ase detail them in ta	ble A3 below	No					
	Table A2: Sum	mary of average em	ssions -continuous monitoring								
	Emission reference no:	Parameter/ Substance		Averaging Period	Compliance Criteria	Units of measurement	Annual Emission	Annual maximum	Monitoring Equipment downtime (hours)	Number of ELV exceedences in current reporting year	Comments
			ELV in licence or any revision therof							reporting year	
		SELECT			SELECT	SELECT					
		SELECT				SELECT					ļ
		SELECT				SELECT		1			

SELECT

SELECT

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

### Table A3: Abatement system bypass reporting table

SELECT

SELECT

### **Bypass protocol**

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

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

<sup>\*\*</sup> an accurate record of time bypass beginning and end should be logged on site and maintained for future Agency inspections please refer to bypass protocol link

AIR-summa	ry template				Lic No:	W0169-01		Year	2014
	Solvent use and ma	nagement on site							
Do you have a	total Emission Limit Value of di	rect and fugitive emissions on site? if yes p	lease fill out tables	A4 and A5			No		
Table A4: Solimit value	olvent Management Pla	n Summary Total VOC Emission	Solvent regulations	Please refer to linked solver complete table 5					
Reporting ye	ar Total solvent input on site (kg)	Total VOC emissions to Air from entire site (direct and fugitive)		Total Emission Limit Value (ELV) in licence or any revision therof	Compliance				
					SELECT				
	Table A5: Solvent Mas	ss Balance summary			SELECT				
		,							
	(I) Inputs (kg)			(0) (					
Solvent	(I) Inputs (kg)		Solvents lost in water (kg)	Collected waste solvent (kg)	Fugitive Organic Solvent (kg)	Solvent released in other ways e.g.		Total emission of Solvent to air (kg)	
		_						_	
							Total		

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)		Lic No:	W0169-01	١
Does your site have licensed emissions direct to surface water or direct to sewer? If yes please complete table W2 and W3 below for the current reporting year and answer further questions. If you do not have licenced emissions you only need to complete table W1 and or W2 for storm water analysis and visual inspections		In 2014 the monitori with Schedule D4 of out on the surface w review of monitoring reviewed past 4 year agreed to proposed r of the licence. Mulle the on-site chamber	Additional information  Ing of surface water was carried out in accordance the waste Licence. Daily visual inspections are carried atter poit SD-1, June 2nd 2011 Mulledays requested requirement of off-site surface water drain. Agency smonitoring data for SD-1, SW-1 and SW-2 and reduction in monitoring locations under Condition 7.2 adys continued to monitor surface water discharges at downstream of the interceptors on a quarterly basis.	
Was it a requirement of your licence to carry out visual inspections on any surface water  discharges or watercourses on or near your site? If yes please complete table W2 below summarising only any evidence of contamination noted during visual inspections	YES	as per the licence rec	uirements and visual inspections on a daily basis.	
Table W1 Storm water monitoring				

	Location reference	Location relative to site activities	PRTR Parameter	Licenced Parameter	Monitoring date	ELV or trigger level in licence or any revision thereof*	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Comments
ſ		SELECT	SELECT	SELECT			SELECT		SELECT	SELECT	
ſ		SELECT	SELECT	SELECT			SELECT		SELECT	SELECT	

 $\ensuremath{^*}\text{trigger}$  values may be agreed by the Agency outside of licence conditions

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

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

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

3 Was there any result in breach of licence requirements? If yes please provide brief details in the comment section of Table W3 below	Yes	Additional information
Was all monitoring carried out in accordance with EPA guidance and checklists for Quality of Aqueous Monitoring Data Reported to the EPA? If no please detail what areas Lab Quality.  4 require improvement in additional information box results checklist results checklist		Monitoring carried out for Monitoring point WWT-1 shows an exceedance of WL limit for BOD and Ortho- phosphate as PO4, where BOD limit is 400mg/l and Ortho-phosphate limit is 10mg/l. Monitoring result for BOD was 642mg/l and for Ortho-phosphate it was 13.9. New operation procedures were applied as well as more frequent cleaning of the tank. Monitoring carried out for Monitoring Point 50-1 for O2 shows exceedance of Trigger Level limit for Ammonia 1: Rigger Limit for Ammonia 1: mg/l, monitoring result was 1.77 mg/l. investigation was carried out on surface water lines withing the Facility area. No deffects were found, yet additional powerwashing of the lines was carried out to eliminate potential exceedance of the Triggel Level Limit in the future.

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AER Monitoring returns summary template-WATER/WASTEWATER(SEWER) Lic No: W0169-01 Year 2/

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

						ELV or trigger values in licence or								
Emission reference no:	Emission released to	Parameter/ SubstanceNote 1	Type of sample	Frequency of monitoring	Averaging period	any revision therof <sup>Note 2</sup>	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Method of analysis	Procedural reference source	Procedural reference standard number	Annual mass load (kg) Comments
SD - 1	Water	Suspended Solids	discrete	05/03/2014	SELECT	≤25mg/l	All values < ELV	9.5	mg/l	yes	Alcontrol Laboratories Method: TM022, Determination of total suspended solids in waters	B.S. (British Standard)	BS EN 872	0.0034675
SD - 1	Water	Suspended Solids	discrete	04/06/2014		≤25mg/l	All values < ELV	7	mg/l	yes	Alcontrol Laboratories Method: TM022, Determination of total suspended solids in waters	B.S. (British Standard)	BS EN 872	0.002555
SD - 1	Water	Suspended Solids	discrete	24/09/2014		≤25mg/l	All values < ELV	<2	mg/l	yes	Alcontrol Laboratories Method: TM022, Determination of total suspended solids in waters	B.S. (British Standard)	BS EN 872	#VALUE!
SD - 1	Water	Suspended Solids	discrete	11/11/2014		≤25mg/l	All values < ELV	17	mg/I	yes	Alcontrol Laboratories Method: TM022, Determination of total suspended solids in waters	B.S. (British Standard)	BS EN 872	0.006205
SD - 1	Water	BOD	discrete	05/03/2014		≤5MG/02	All values < ELV	4.66	mg/I	yes	Alcontrol Laboratories TM045, Determination of BOD5 (ATU) Filtered by Oxigen Meter on liquids	UK SCA "Blue Book" series	Blue Book 130	0.0017009
SD - 1	Water	BOD	discrete	04/06/2014		≤5MG/02	All values < ELV	2.03	mg/I	yes	Alcontrol Laboratories TM045, Determination of BOD5 (ATU) Filtered by Oxigen Meter on liquids	UK SCA "Blue Book" series	Blue Book 130	0.00074095
SD - 1	Water	BOD	discrete	24/09/2014		≤5MG/02	All values < ELV	<1	mg/I	yes	Alcontrol Laboratories TM045, Determination of BOD5 (ATU) Filtered by Oxigen Meter on liquids	UK SCA "Blue Book" series	Blue Book 130	#VALUE!
SD - 1	Water	BOD	discrete	11/11/2014		≤5MG/02	All values < ELV	4.96	mg/I	yes	Alcontrol Laboratories TM045, Determination of BOD5 (ATU) Filtered by Oxigen Meter on liquids	UK SCA "Blue Book" series	Blue Book 130	0.0018104
SD - 1	Water	Ammoniacal Nitrogen (as N)	discrete	05/03/2014		0.02mg/l N	All values < ELV	1.6	mg/l	yes	Alcontrol Laboratories, TM099, Determination of Ammonium in Water Sampling using the Kone Analyser	B.S. (British Standard)	BS 2690: PArt7: 1968 / BS 6068: Part2.11:1984	0.000584
SD - 1	Water	Ammoniacal Nitrogen (as N)	discrete	04/06/2014		0.02mg/l N	All values < ELV	1.77	mg/i	yes	Alcontrol Laboratories, TM099, Determination of Ammonium in Water Sampling using the Kone Analyser	B.S. (British Standard)	BS 2690: PArt7: 1968 / BS 6068: Part2.11:1984	0.00064605
SD - 1	Water	Ammoniacal Nitrogen (as N)	discrete	24/09/2014		0.02mg/l N	All values < ELV	<0.2	mg/l	yes	Alcontrol Laboratories, TM099, Determination of Ammonium in Water Sampling using the Kone Analyser	B.S. (British Standard)	BS 2690: PArt7: 1968 / BS 6068: Part2.11:1984	#VALUE!
SD - 1	Water	Ammoniacal Nitrogen (as N)	discrete	11/11/2014		0.02mg/l N	All values < ELV	0.778	mg/I	yes	Alcontrol Laboratories, TM099, Determination of Ammonium in Water Sampling using the Kone Analyser	B.S. (British Standard)	BS 2690: PArt7: 1968 / BS 6068: Part2.11:1984	0.00028397
SD - 1	Water	COD	discrete	05/03/2014			All values < ELV	40.6	mg/l	yes	Alcontrol Laboratories, TM 107, Determination of Chemical Oxogen Demand using COD Dr Lange Kit	ISO	ISO 6060-1989	0.014819
SD - 1	Water	COD	discrete	04/06/2014			All values < ELV	26.2	mg/l	yes	Alcontrol Laboratories, TM 107, Determination of Chemical Oxogen Demand using COD Dr Lange Kit	ISO	ISO 6060-1989	0.009563

AFR Monitor	ing returns su	mmary template-WA	TER/WASTEWA	TER/SEWER)	Lic No:	W0169-01		Year	2014				
SD - 1	Water	COD	discrete	24/09/2014	DE TO	All values < ELV	7.65	mg/l	yes	Alcontrol Laboratories, TM 107, Determination of Chemical Oxogen Demand using COD Dr Lange Kit	ISO	ISO 6060-1989	0.00279225
SD - 1	Water	COD	discrete	11/11/2014		All values < ELV	49.5	mg/l	yes	Alcontrol Laboratories, TM 107, Determination of Chemical Oxogen Demand using COD Dr Lange Kit	ISO	ISO 6060-1989	0.0180675
SD - 1	Water	Conductivity	discrete	05/03/2014	1000 μS/cm	All values < ELV	0.568	mS/cm	yes	Alcontrol Laboratories, TM120, Determination of Electrical Conductivity using a Conductivity Meter	B.S. (British Standard)	BS 2690: Part 9:1970	0.00020732
SD - 1	Water	Conductivity	discrete	04/06/2015	1000 μS/cm	All values < ELV	0.394	m\$/cm	yes	Alcontrol Laboratories, TM120, Determination of Electrical Conductivity using a Conductivity Meter	B.S. (British Standard)	BS 2690: Part 9:1970	0.00014381
SD - 1	Water	Conductivity	discrete	24/09/2014	1000 μS/cm	All values < ELV	0.352	mS/cm	yes	Alcontrol Laboratories, TM120, Determination of Electrical Conductivity using a Conductivity Meter	B.S. (British Standard)	BS 2690: Part 9:1970	0.00012848
SD - 1	Water	Conductivity		11/11/2014	1000 μS/cm	All values < ELV	0.582	m\$/cm	yes	Alcontrol Laboratories, TM120, Determination of Electrical Conductivity using a Conductivity Meter	B.S. (British Standard)	BS 2690: Part 9:1970	0.00021243
SD - 1	Water	Mineral Oils	discrete	05/03/2014	5mg/l	All values < ELV	36.3	μ/Ι	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria		0.0132495

AFR Monitor	ing roturns su	mmary template-WA	TER/WASTEWA	TER/SEW/ER)		Lic No:	W0169-01		Year	2014				
SD - 1	Water	Mineral Oils	discrete	04/06/2014		5mg/I	All values < ELV		μ/1		Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria	0.013286	
SD - 1	Water	Mineral Oils	discrete	24/09/2014		5mg/l	All values < ELV	<10	μ/Ι	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria	#VALUE!	
SD - 1	Water	Mineral Oils	discrete	11/11/2014	!	5mg/l	All values < ELV	393	μ/Ι	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria	0.143445	
SD - 1	Water	Ph	discrete	05/03/2014		6.0 - 9.0	All values < ELV	7.25	ph Units	yes		The measurement of Electrical Conductivity and the Laboratory determination of pH Value of Natural, Treated and Wastewaters. HMSO, 1978. ISBN 011 751428 4	0.00264625	
SD - 1	Water	Ph	discrete	04/06/2014		6.0 - 9.0	All values < ELV	8.12	ph Units	yes		The measurement of Electrical Conductivity and the Laboratory determination of pH Value of Natural, Treated and Wastewaters. HMSO, 1978. ISBN 011 751428 4	0.0029638	
SD - 1	Water	Ph	discrete	24/09/2014		6.0 - 9.0	All values < ELV	8.4	ph Units	yes		The measurement of Electrical Conductivity and the Laboratory determination of pH Value of Natural, Treated and Wastewaters. HMSO, 1978. ISBN 011 751428 4	0.003066	
SD - 1	Water	Ph	discrete	11/11/2014		6.0 - 9.0	All values < ELV	7.43	ph Units	yes		The measurement of Electrical Conductivity and the Laboratory determination of pH Value of Natural, Treated and Wastewaters. HMSO, 1978. ISBN 011 751428 4	0.00271195	

AED Maniton	ing votures ou	nmary template-WA	TED /\A/ACTE\A/A	TED/CEWED)	Lic No:	W0169-01		Year	2014				
ALK WOULTO	ing returns sur	iiiiai y tempiate-WA	ILN/ WASIEWA	ILINISENVER)	LIC NO.	W0103-01		redl	2014				
WWT-1	Wastewater/Se wer	Suspended Solids	discrete	11/04/2014	400mg/I	All values < ELV	23.5	mg/l	yes	Alcontrol Laboratories Method: TM022, Determination of total suspended solids in waters	B.S. (British Standard)	BS EN 872	0.0085775
WWT - 1	Wastewater/Se wer	Suspended Solids	discrete	04/06/2014	400mg/l	All values < ELV	19	mg/l	yes	Alcontrol Laboratories Method: TM022, Determination of total suspended solids in waters	B.S. (British Standard)	BS EN 872	0.006935
WWT - 1	Wastewater/Se wer	Suspended Solids	discrete	11/09/2014	400mg/I	All values < ELV	270	mg/l	yes	Alcontrol Laboratories Method: TM022, Determination of total suspended solids in waters	B.S. (British Standard)	BS EN 872	0.09855
WWT - 1	Wastewater/Se wer	Suspended Solids	discrete	13/11/2014	400mg/I	All values < ELV	96	mg/l	yes	Alcontrol Laboratories Method: TM022, Determination of total suspended solids in waters	B.S. (British Standard)	BS EN 872	0.03504
WWT - 1	Wastewater/Se wer	BOD	discrete	11/04/2014	400mg/I	All values < ELV	46.7	mg/l	yes	Alcontrol Laboratories TM045, Determination of B0D5 (ATU) Filtered by Oxigen Meter on liquids	UK SCA "Blue Book" series	Blue Book 130	0.0170455
WWT - 1	Wastewater/Se wer	BOD	discrete	04/06/2014	400mg/I	All values < ELV	42.6	mg/l	yes	Alcontrol Laboratories TM045, Determination of B0D5 (ATU) Filtered by Oxigen Meter on liquids	UK SCA "Blue Book" series		0.015549
WWT - 1	Wastewater/Se wer	BOD	discrete	11/09/2014	400mg/l	All values < ELV	642	mg/l	no (if no please enter details in comments box)	Alcontrol Laboratories TM045, Determination of B0D5 (ATU) Filtered by Oxigen Meter on liquids	UK SCA "Blue Book" series		0.23433
WWT-1	Wastewater/Se wer	BOD	discrete	13/11/2014	400mg/l	All values < ELV	253	mg/l	yes	Alcontrol Laboratories TM045, Determination of BOD5 (ATU) Filtered by Oxigen Meter on liquids	UK SCA "Blue Book" series		0.092345

AED Manitos	ring voturns su	mmary template-WA	TED /\A/ACTE\A/A	TED/CEW/ED)	Lic No:	W0169-01		Year	2014					
ALK WOULD	ing returns su	minut y template-WA	ILIN WASILWA	TEM(SEVVER)	LIC NO.	VVO103-01		i cai	2014					
WWT-1	Wastewater/Se wer	Ammoniacal Nitrogen (as N)	discrete	11/04/2014	100mg/l	All values < ELV	5.69	mg/l	yes	Alcontrol Laboratories, TM099, Determination of Ammonium in Water Samples using Kone Analyser	B.S. (British Standard)	BS 2690: Part 7: 1968 / BS 6068: Part2.11:1984	0.00207685	
WWT-1	Wastewater/Se wer	Ammoniacal Nitrogen (as N)	discrete	04/06/2014	100mg/I	All values < ELV	5	mg/l	yes	Alcontrol Laboratories, TM099, Determination of Ammonium in Water Samples using Kone Analyser	B.S. (British Standard)	BS 2690: Part 7: 1968 / BS 6068: Part2.11:1984	0.001825	
WWT-1	Wastewater/Se wer	Ammoniacal Nitrogen (as N)	discrete	11/09/2014	100mg/i	All values < ELV	72.6	mg/l	yes	Alcontrol Laboratories, TM099, Determination of Ammonium in Water Samples using Kone Analyser	B.S. (British Standard)	BS 2690: Part 7: 1968 / BS 6068: Part2.11:1984	0.026499	
WWT - 1	Wastewater/Se wer	Ammoniacal Nitrogen (as N)	discrete	13/11/2014	100mg/l	All values < ELV	8.88	mg/l	yes	Alcontrol Laboratories, TM099, Determination of Ammonium in Water Samples using Kone Analyser	B.S. (British Standard)	BS 2690: Part 7: 1968 / BS 6068: Part2.11:1984	0.0032412	
WWT-1	Wastewater/Se wer	COD	discrete	11/04/2014	1600mg/l	All values < ELV	63.7	mg/l	yes	Alcontrol Laboratories, TM 107, Determination of Chemical Oxogen Demand using COD Dr Lange Kit	ISO	ISO 6060-1989	0.0232505	
WWT - 1	Wastewater/Se wer	COD	discrete	04/06/2014	1600mg/l	All values < ELV	69.7	mg/l	yes	Alcontrol Laboratories, TM 107, Determination of Chemical Oxogen Demand using COD Dr Lange Kit	ISO	ISO 6060-1989	0.0254405	
WWT - 1	Wastewater/Se wer	COD	discrete	11/09/2014	1600mg/l	All values < ELV	1510	mg/l	yes	Alcontrol Laboratories, TM 107, Determination of Chemical Oxogen Demand using COD Dr Lange Kit	ISO	ISO 6060-1989	0.55115	
WWT - 1	Wastewater/Se wer	COD	discrete	13/11/2014	1600mg/l	All values < ELV	422	mg/l	yes	Alcontrol Laboratories, TM 107, Determination of Chemical Oxogen Demand using COD Dr Lange Kit	ISO	ISO 6060-1989	0.15403	

AER Monito	ring returns su	mmary template-WA	TER/WASTEWA	TER(SEWER)	Lic No:	W0169-01		Year	2014					
	Wastewater/Se	Ortho-phosphate (as								Alcontrol Laboratories, TM184, The Determination of				
WWT - 1	Wastewater/Se wer	PO4)	discrete	11/04/2014	10mg/l	All values < ELV	0.918	mg/I	yes	Anions in Aqueous Matrices using the Kone Spectrophotometric Analysers Associated Laboratories, TMARA The Determination of	EPA	Methods 325.1 & 325.2	0.00033507	
WWT - 1	Wastewater/Se wer	Ortho-phosphate (as PO4)	discrete	04/06/2014	10mg/l	All values < ELV	0.178	mg/l	yes	Alcontrol Laboratories, TM184, The Determination of Anions in Aqueous Matrices using the Kone Spectrophotometric Analysers	EPA	Methods 325.1 & 325.2	0.00006497	
WWT - 1	Wastewater/Se wer	Ortho-phosphate (as PO4)	discrete	11/09/2014	10mg/l	All values < ELV	13.9	mg/I	no (if no please enter details in comments box)	Alcontrol Laboratories, TM184, The Determination of Anions in Aqueous Matrices using the Kone Spectrophotometric Analysers	EPA	Methods 325.1 & 325.2	0.0050735	
WWT - 1	Wastewater/Se wer	Ortho-phosphate (as PO4)	discrete	13/11/2014	10mg/l	All values < ELV	2.19	mg/I	yes	Alcontrol Laboratories, TM184, The Determination of Anions in Aqueous Matrices using the Kone Spectrophotometric Analysers	EPA	Methods 325.1 & 325.2	0.00079935	
WWT - 1	Wastewater/Se wer	Sulphate So4	discrete	11/04/2014	1000mg/l	All values < ELV	0.00514	mg/l	yes	Alcontrol Laboratories, TM184, The Determination of Anions in Aqueous Matrices using the Kone Spectrophotometric Analysers	EPA	Methods 325.1 & 325.2	1.8761E-06	
WWT - 1	Wastewater/Se wer	Sulphate So4	discrete	04/06/2014	1000mg/l	All values < ELV	51.7	mg/l	yes	Alcontrol Laboratories, TM184, The Determination of Anions in Aqueous Matrices using the Kone Spectrophotometric Analysers	EPA	Methods 325.1 & 325.2	0.0188705	
WWT - 1	Wastewater/Se wer	Sulphate So4	discrete	11/09/2014	1000mg/l	All values < ELV	<2	mg/l	yes	Alcontrol Laboratories, TM184, The Determination of Anions in Aqueous Matrices using the Kone Spectrophotometric Analysers	EPA	Methods 325.1 & 325.2	#VALUE!	
WWT - 1	Wastewater/Se wer	Sulphate So4	discrete	13/11/2014	1000mg/l	All values < ELV	15.1	mg/l	yes	Alcontrol Laboratories, TM184, The Determination of Anions in Aqueous Matrices using the Kone Spectrophotometric Analysers	EPA	Methods 325.1 & 325.2	0.0055115	
WWT - 1	Wastewater/Se wer	TPH/Oil & Greases	discrete	11/04/2014	100mg/l	All values < ELV	<1	mg/l	yes	Alcontrol Laboratories, TM235, Determination of Total Petroleum Hydrocarbons (TPH) in Waters By Infra-Red Spectroscopy	The Determination of Hydrocarbon Oils in Waters by Solvent Extraction, Infra red Absorption and Gravimetry 1983, HMSO, London		#VALUE!	
WWT - 1	Wastewater/Se wer	TPH/Oil & Greases	discrete	04/06/2014	100mg/l	All values < ELV	<1	mg/l	yes	Alcontrol Laboratories, TM235, Determination of Total Petroleum Hydrocarbons (TPH) in Waters By Infra-Red Spectroscopy	The Determination of Hydrocarbon Oils in Waters by Solvent Extraction, Infra red Absorption and Gravimetry 1983, HMSO, London		#VALUE!	
WWT-1	Wastewater/Se wer	TPH/Oil & Greases	discrete	11/09/2014	100mg/l	All values < ELV	6.98	mg/l	yes	Alcontrol Laboratories, TM235, Determination of Total Petroleum Hydrocarbons (TPH) in Waters By Infra-Red Spectroscopy	The Determination of Hydrocarbon Oils in Waters by Solvent Extraction, Infra red Absorption and Gravimetry 1983, HMSO, London		0.0025477	
WWT-1	Wastewater/Se wer	TPH/Oil & Greases	discrete	13/11/2014	100mg/l	All values < ELV	51.5	mg/l	yes	Alcontrol Laboratories, TM235, Determination of Total Petroleum Hydrocarbons (TPH) in Waters By Infra-Red Spectroscopy	The Determination of Hydrocarbon Oils in Waters by Solvent Extraction, Infra red Absorption and Gravimetry 1983, HMSO, London		0.0187975	
WWT-1	Wastewater/Se wer	ph	discrete	11/04/2014	6.0 - 9.0	No pH value shall deviate from the specified range.	7.15	ph units	yes	Alcontrol Laboratories, TM256, Determination of pH in Waters and Leachate using the GLpH pH Meter	The measurement of Electrical Conductivity and the Laboratory determination of pH Value of Natural, Treated and Wastewaters. HMSO, 1978. ISBN 011 751428 4		0.00260975	
WWT-1	Wastewater/Se wer	ph	discrete	04/06/2014	6.0 - 9.0	No pH value shall deviate from the specified range.	7.88	ph units	yes	Alcontrol Laboratories, TM256, Determination of pH in Waters and Leachate using the GLpH pH Meter	The measurement of Electrical Conductivity and the Laboratory determination of pH Value of Natural, Treated and Wastewaters. HMSO, 1978. ISBN 011 751428 4		0.0028762	

AER Monitor	AER Monitoring returns summary template-WATER/WASTEWATER(SEWER) Lic No: W0169-01 Year 2014														
WWT-1	Wastewater/Se wer	ph	discrete	11/09/2014		6.0 - 9.0	No pH value shall deviate from the specified range.		ph units	yes	Alcontrol Laboratories, TM256, Determination of pH in Waters and Leachate using the GLpH pH Meter	The measurement of Electrical Conductivity and the Laboratory determination of pH Value of Natural, Treated and Wastewaters. HMSO, 1978. ISBN 011 751428 4		0.0025331	
WWT-1	Wastewater/Se wer	ph	discrete	13/11/2014		6.0 - 9.0	No pH value shall deviate from the specified range.	7.03	ph units	yes	Alcontrol Laboratories, TM256, Determination of pH in Waters and Leachate using the GLpH pH Meter	The measurement of Electrical Conductivity and the Laboratory determination of pH Value of Natural, Treated and Wastewaters. HMSO, 1978. ISBN 011 751428 4		0.00256595	
SG - 1	Water	Suspended Solids	discrete	13/11/2014		30	All values < ELV	13	mg/l	yes	Alcontrol Laboratories TM022, Determination of total suspended solids in water	UK SCA "Blue Book" series	Blue Book 130	0.004745	
SG - 1	Water	BOD	discrete	13/11/2014		20	All values < ELV	3.35	mg/l	yes	Alcontrol Laboratories TM022, Determination of total suspended solids in water	UK SCA "Blue Book" series	Blue Book 131	0.00122275	
SG - 1	Water	Ammoniacal Nitrogen (as N)	discrete	13/11/2014		5	All values < ELV	2.48	mg/l	yes	Alcontrol Laboratories, TM099, Determination of Ammonium in Water Sampling using the Kone Analyser	B C (British Standard)	BS 2690: PArt7: 1968 / BS 6068: Part2.11:1984	0.0009052	
SG - 1	Water	Nitrates	discrete	13/11/2014			All values < ELV	0.243	mg/l	yes	Alcontrol Laboratories, TM184, The Determination of Anions in Aqueous Matrices using the Kone Spectrophotometric Analysers	EPA	Methods 325.1 & 325.2	0.000088695	
SG - 1	Water	Ph	discrete	13/11/2014		6.0 - 9.0	No pH value shall deviate from the specified range.	7.27	ph Units	yes	Alcontrol Laboratories, TM256, Determination of pH in Waters and Leachate using the GLpH pH Meter	The measurement of Electrical Conductivity and the Laboratory determination of pH Value of Natural, Treated and Wastewaters. HMSO, 1978. ISBN 011 751428 4		0.00265355	
Note 1: Volumet	ric flow shall be in	cluded as a reportable para es (ELV) do not apply to yo	meter	mara raculta agai	net EOS for Surface	water or relevant res	antor quality standards								
INDIE Z. WHERE E	mission Liniit Valu	es (EEV) do not apply to yo	ar incenice prease cor	inhaire Leanitz agail	ist EQS IOI SUITACE	water or relevant rec	eptor quality standards				<u> </u>	l	1		

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)		Lic No:	W0169-01		Year	2014	
Continuous monitoring  Does your site carry out continuous emissions to water/sewer monitoring?	No		Additional Information		]		
If yes please summarise your continuous monitoring data below in Table W4 and compare it to its relevant Emission Limit Value (ELV)							
Did continuous monitoring equipment experience downtime? If yes please record downtime in table W4 below	No						
Do you have a proactive service contract for each piece of continuous monitoring equipment on site?	No						
Did abatement system bypass occur during the reporting year? If yes please complete table W5 below	No						
Table W4: Summary of average emissions -continuous monitoring							
PIV - Letters				0/ -h // 6			

			ELV OF TRIBBER					% change +/- Ironi			
			values in licence					previous reporting	Monitoring	Number of ELV	
Emission	Emission		or any revision	Averaging	Compliance	Units of	Annual Emission for current	year	Equipment	exceedences in	
reference no:	released to	Parameter/ Substance	thereof	Period	Criteria	measurement	reporting year (kg)		downtime (hours)	reporting year	Comments
	SELECT	SELECT		SELECT	SELECT	SELECT					
	SELECT	SELECT		SFLECT	SELECT	SELECT					

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

### Table W5: Abatement system bypass reporting table

Date	Duration (hours)		action*		When was this report submitted?
				SELECT	

<sup>\*</sup>Measures taken or proposed to reduce or limit bypass frequency

Bund/Pipeline testing templat	e				Lic No:	W0169-01		Year	2014	1				
Bund testing	]	dropdown menu cl	ick to see options		·	- <del></del>	Additional information							
Are you required by your licence to un structures on site, in addition to all but all bunds outside the licenced testing	nds which failed the integ	n bunds and containment structurity test-all bunding structures wh	res ? if yes please fill out table			Yes								
Please provide integrity testing freque	ncy period					3 years		+						
Does the site maintain a register of bu		es (including stormwater and foul	), Tanks, sumps and container	s? (containers refers to "Ch	emstore" type units and									
3 mobile bunds) 4 How many bunds are on site?						Yes	1							
5 How many of these bunds have been t	ested within the required	test schedule?					1	_						
<ul><li>6 How many mobile bunds are on site?</li><li>7 Are the mobile bunds included in the bunds included in the bunds.</li></ul>	Colubodes test barr					N/A	0	+						
8 How many of these mobile bunds have		auired test schedule?				N/A		+						
9 How many sumps on site are included						N/A								
10 How many of these sumps are integrity		nedule?				N/A								
Please list any sump integrity failures 11 Do all sumps and chambers have high						Yes		7						
12 If yes to Q11 are these failsafe systems		e and testing programme?				Yes		+						
13 Is the Fire Water Retention Pond inclu						N/A								
Table P1.	'ummanu dataile of bund /	containment structure integrity to	vet.	Т										
Table B1: 3	summary details of bund /	containment structure integrity to	est											
														Results of
									Integrity reports					retest(if in
Rund /Containment structure ID	Tuno	Consider Other tune	Dradust containment	Actual capacity	Conneity required*	Tune of integrity test	Other test tune	Test date	maintained on site?	Results of test	Integrity test failure	Corrective action taken	Scheduled date for retest	current reporting ye
Bund/Containment structure ID  Waste Water Collection Tank	Type reinforced concrete	Specify Other type	Product containment Waste Water	Actual capacity	Capacity required* 35.000 Ltr	Type of integrity test Structural assessment	Other test type	01/03/2014	site?	Pass	explanation <50 words	Corrective action taken	01/04/201	
Surface Water Interceptor Tank	reinforced concrete		Surface Water		46000 Ltr	Structural assessment		01/03/2014		Pass		SELECT	01/04/201	
Surface Water litter ceptor rank	reinforced concrete		Surface Water		23000 Ltr	Structural assessment		01/03/2014		Pass		SEECT	01/04/201	
	Glass Reforced							,,					,-,	
Bypass Surface Water	Polyester		Surface Water		27000 Ltr	Structural assessment		01/03/2014		Pass			01/04/201	
Sewage Treatment Plant	prefabricated		Faul Sewer Water			Structural assessment		01/03/2014		Pass			01/04/201	
Diesel Bund	prefabricated		Waste Water		66000 Ltr	Structural assessment		01/03/2014		Pass			01/04/201	1
D20 Waste Water Recycling System - Wash Bay	prefabricated		Waste Water		2000 m3/h	Structural assessment		01/03/2014		Pass			01/04/201	7
* Capacity required should comply with 25% or 110%		ur licence	waste water		2000 1113/11	Structural assessment	Commentary	01/03/2014		F 033		1	01/04/201	-
Has integrity testing been carried out i	n accordance with licence	requirements and are all structur	es tested in line with											
15 BS8007/EPA Guidance?				bunding and storage guide	lines	Yes Yes	Test completed March 2014 Test completed March 2014	_						
16 Are channels/transfer systems to remoderate the channels/transfer systems compliant.						Yes	Test completed March 2014	+						
17 Are channels/transfer systems compile	ant in both integrity and a	valiable volume:				163								
Pipeline/underground str	ucture testing	1												
Are you required by your licence to un		on underground structures e.g. n	inelines or sumps etc ? if yes r	olease fill out table 2 below	listing all underground									
1 structures and pipelines on site which						Yes								
2 Please provide integrity testing freque						3 years		1						
*please note integrity testing means w	ater tightness testing for p	process and foul pipelines (as requ	uired under your licence)											
Table B2: Su	mmary details of pipeline	underground structures integrity	test	I								=		
												A .		
				Type of secondary								A .		
				containment				Integrity test				A .		
			Does this structure have			Integrity reports			Corrective action		Results of retest(if in current	A .		
Structure ID	Type system SELECT	Material of construction: SELECT	Secondary containment? SELECT	SELECT	Type integrity testing SELECT	maintained on site? SELECT	Results of test SELECT	<50 words	taken	for retest	reporting year) SELECT	4		
Surface Water Underground Pipes	Sterm	concrete	No SELECT	SELECT	Hydraulic	Yes	Pass			01/04/2017		A		
Waste Water Underground Pipes	Foul	concrete	No		Hydraulic	Yes	Pass			01/04/2017		1		
and the second s					.,,					22,2.,2017		i		
												1		
							٦							
		Please use com-	mentary for additional details	not answered by tables / ou	estions ahove									
		ricase ase colli	nemary for additional details	not answered by tables/ qu	COCIONO BUOVE		_							

Groundwater/Soil monitoring template	Lic No:	W0169-01	Year	2014	
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Comments

		Comments	
Are you required to carry out groundwater monitoring as part of your licence requirements?			Please provide an interpretation of groundwater monitoring data in the
2 Are you required to carry out soil monitoring as part of your licence requirements?	no		interpretation box below or if you require additional space please
<sup>3</sup> Do you extract groundwater for use on site? If yes please specify use in comment section	no		include a groundwater/contaminated land monitoring results interpretaion as an additional section in this AER
Do monitoring results show that groundwater generic assessment criteria 4 such as GTVs or IGVs are exceeded or is there an upward trend in results for a substance? If yes, please complete the Groundwater Monitoring Guideline Template Report (link in cell G8) and submit separately through ALDER as a licensee return AND answer questions 5-12 below.  Groundwater monitoring template	no		Testing of Ground Water monitoring point GW-1 is carried out Bi
5 Is the contamination related to operations at the facility (either current and/or historic)	N/A		Annually. 2014 results are in accordance with condition 7.1 of our waste licence. Accredited Laboratory Alcontrol Laborories completed
6 Have actions been taken to address contamination issues?If yes please summarise remediation strategies proposed/undertaken for the site	N/A		testing. Analysis Method/Technique - "Standards Methods for the examination of Water and Wastewater"
7 Please specify the proposed time frame for the remediation strategy	N/A		
8 Is there a licence condition to carry out/update ELRA for the site?	yes		
9 Has any type of risk assesment been carried out for the site?	yes		
10 Has a Conceptual Site Model been developed for the site?	yes		
11 Have potential receptors been identified on and off site?	yes		
12 Is there evidence that contamination is migrating offsite?	no		

**Table 1: Upgradient Groundwater monitoring results** 

10010 21 01	gradient G.	Canawater monito	ing results							
										Upward trend in
										pollutant
	Sample									concentration
Date of	location			Monitoring	Maximum	Average				over last 5 years
sampling	reference	Parameter/ Substance	Methodology	frequency	Concentration++	Concentration+	unit	GTV's*	SELECT**	of monitoring data
							SELECT			SELECT
							SELECT			SELECT

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

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

Jiounawa	ter/Soil mo	nitoring template			Lic No:	W0169-01		Year	2014			
able 2: D	owngradien	t Groundwater mon	itoring result	:s								_
Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration	Average Concentration	unit	GTV's*	SELECT**	Upward trend in yearly average pollutant concentration over last 5 years of monitoring data		
4/06/2014	GW - 1	Ammoniacal Nitrogen as NH3		Monitored twice a year	0.347		mg/l					
1/09/2014	GW - 1	Ammoniacal Nitrogen as NH3		Monitored twice a year	0.304		mg/l					
04/06/2014	GW - 1	EPH Range >C10 - C40 (aq)		Monitored twice a year	<46		ug/l					
11/09/2014	GW - 1	EPH (DRO)( C10- C40)diss. Filt		Monitored twice a year	<10		/1					
				)	4.0		ug/I					
results froundwater ore informat AC) and risk	or a substance in Monitoring Guid ion on the use of assessment tools on location of the	dicates that further interpreline Template Report at the fooil and groundwater stands is available in the EPA public e site and proximity to othe	etation of monitor e link provided and dards/ generic asse ished guidance (se r sensitive recepto Water Environme	oundwater Threshold ing results is required I submit separately th essment criteria the link in G31) rs alternative Receptor	Value (GTV) or an Inte . In addition to comple rough ALDER as a lice Guidance on the or based Water Quality s (SWEQS), If the site is	eting the above table usee return or as oth use Management of y standards should be	(IGV) or an upward trend in	roundwater a	Groundwater regulations		<u>Drinking water (public supply) standards</u>	Interim Guideli Values (IGV)
results in	or a substance in Monitoring Guid ion on the use of assessment tools on location of the is close to surface	dicates that further interpreline Template Report at the fooil and groundwater stands is available in the EPA public e site and proximity to othe	etation of monitor e link provided and dards/ generic asse ished guidance (se r sensitive recepto Water Environme	oundwater Threshold ing results is required I submit separately th essment criteria the the link in G31) rs alternative Receptontal Quality Standards	Value (GTV) or an Inte . In addition to comple rough ALDER as a lice Guidance on the or based Water Quality s (SWEQS), If the site is	eting the above table usee return or as oth use Management of y standards should be	(IGV) or an upward trend in , please complete the erwise instructed by the EPA.  Contaminated Land and G	roundwater a	at EPA Licensed S  Groundwater regulations	Drinking water (private supply)		
results for an area of the format of the for	or a substance in Monitoring Guid ion on the use of assessment tools on location of the is close to surface	dicates that further interpreline Template Report at the fooil and groundwater stands is available in the EPA public site and proximity to othe	etation of monitor e link provided and dards/ generic asse ished guidance (se r sensitive recepto Water Environme	oundwater Threshold ing results is required I submit separately th essment criteria the the link in G31) rs alternative Receptontal Quality Standards	Value (GTV) or an Inte . In addition to comple rough ALDER as a lice Guidance on the or based Water Quality s (SWEQS), If the site is	eting the above table usee return or as oth use Management of y standards should be	(IGV) or an upward trend in , please complete the erwise instructed by the EPA.  Contaminated Land and G	roundwater a	at EPA Licensed S  Groundwater regulations	Drinking water (private supply)		

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

Environmental Liabilities template	Lic No:	W0169-01	Vear	2014

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

			Commentary
1	ELRA initial agreement status		
		Submitted and not agreed by EPA;	
		<u> </u>	
2	ELRA review status	Review required and not completed;	
3	Amount of Financial Provision cover required as determined by the latest ELRA	€87.69	
4	Financial Provision for ELRA status	Submitted and not agreed by EPA;	
5	Financial Provision for ELRA - amount of cover	€87.69	
6	Financial Provision for ELRA - type	Environmental Impairment Liability insurance	
7	Financial provision for ELRA expiry date	01/02/2015	
8	Closure plan initial agreement status	Closure plan submitted and not agreed by EPA	
9	Closure plan review status	Review required and not completed	
10	Financial Provision for Closure status	Submitted and not agreed by EPA;	
11	Financial Provision for Closure - amount of cover	117.722	
12	Financial Provision for Closure - type	Parent Company Guarantee	
13_	Financial provision for Closure expiry date	01/02/2015	

	<b>Environmental Management Programme/Continuous Improvement Programme</b>	template	Lic No:	W0169-01	Year	2014
	Highlighted cells contain dropdown menu click to view		Additional Information		_	
1	Do you maintain an Environmental Mangement System (EMS) for the site. If yes, please detail in additional information	Yes	Submitted to the	Agency 28/2/2004		
2	Does the EMS reference the most significant environmental aspects and associated impacts on-site	Yes				
3	Does the EMS maintain an Environmental Management Programme (EMP) as required in accordance with the licence requirements	Yes				
4	Do you maintain an environmental documentation/communication system to inform the public on environmental performance of the facility, as required by the licence	Yes				

Environmental Management Programme (EMP) report									
Objective Category	Target	Status (% completed)	How target was progressed	Responsibility	Intermediate outcomes				
ISO 14001, ISO 9001 Standards Implementation	In order to improve environmental performance and provide assurance on environmental issues to external stakeholders - such as customers, the community and regulatory agencies			Managing Director, Environmental Manager	Improved Environmental Management Practices				
Extension of existing Shed No.1, Shed No.2, Shed No. 3	To provide an extra roofed storage at the facility and divert loadings of outgoing material	10	Proposal layout drawings prepared by Turmec Engineering.	Managing Director	Installation of infrastructure				
Tank, Bund Integrity Testing	The integrity of the existing tanks and bunds to be tested as required.	90	0	Managing Director, Environmental Manager	Increased compliance with licence conditions				
Signage update	Update to existing signage withing the facility (Monitoring points, Civic Amenity, Storage Bays)			Environmental Manager, Project Manager	Improved Environmental Management Practices				
Waste reduction/Raw material usage efficiency	Energy Audit	70	Audit was carried out on the existing lightning in order to establish possible savings. Old Harrys Baler was removed and replaced by new IPS TRHE.852 baler with 50% less power demand.	Managing Director	Improved Environmental Management Practices				

Noise monitoring summary report Lic N	No:	W0169-01	Year 2014
			1
1 Was noise monitoring a licence requirement for the AER period?		Yes	
If yes please fill in table N1 noise summary below			
<u>Nois</u>	ise		
2 Was noise monitoring carried out using the EPA Guidance note, including completion of the Guid	dance	Yes	
"Checklist for noise measurement report" included in the guidance note as table 6? note	e NG4		
3 Does your site have a noise reduction plan		No	
4 When was the noise reduction plan last updated?		Enter date	
Have there been changes relevant to site noise emissions (e.g. plant or operational changes) since the las survey?	st noise	No	

Table N1: Noi	se monitoring su	ummary									
Date of monitoring		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)?
14/11/2014	12.28	N1		64.4	51.7	66.8	80.7	No	SELECT	Recycling Plant in operation. Traffic in the distance. Reversing bleepers.	Yes
14/11/2014				63.8		63.7	88.7	No		Recycling Plant in operation. Traffic in the distance. Reversing bleepers.	Yes
14/11/2014	14.01	N1		63.8	61.9	65.3	78.4	No		Recycling Plant in operation. Traffic in the distance. Reversing bleepers.	Yes
14/11/2014	14.36	N2		54	40.7	58.5	76.5	No		Noise environment dominated by passing traffic along R198.	Yes
14/11/2014	15.06	N2		55.3	43.1	59.7	77.6	No		Noise environment dominated by passing traffic along R198.	Yes
14/11/2014	15.31	N2		56.4	44.7	58.1	77.1	No		Noise environment dominated by passing traffic along R198.	Yes
14/11/2014	15.56	N3		58.9	43.9	56.8	67.9	No		Noise environment dominated by passing traffic along R198.	Yes
14/11/2014		N3		57	44.7	52	73.4	No		Noise environment dominated by passing traffic along R198.	Yes
14/11/2014				59.7	41.9	56.6		No		Noise environment dominated by passing traffic along R198.	Yes

<sup>\*</sup>Please ensure that a tonal analysis has been carried out as per guidance note NG4. These records must be maintained onsite for future inspection

If noise limits exceeded as a result of noise attributed to site activities, please choose the corrective action from the following options?

SELECT

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

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

Is the site a member of any accredited programmes for reducing energy usage/water conservation such as the SEAI Industry Energy 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
NA	
No	
SELECT	
	NA

Table R1 Energy usage on si	te			
Energy Use	Previous year		compared to	Energy Consumption +/- % vs overall site production*
Total Energy Used (MWHrs)	364100	374400	2.83%	
Total Energy Generated (MWHrs)	NA	NA	NA	NA
Total Renewable Energy Generated (MWHrs)	NA	NA	NA	NA
Electricity Consumption (MWHrs)	364100	374400	2.83%	
Fossil Fuels Consumption:	NA	NA	NA	NA
Heavy Fuel Oil (m3)	NA	NA	NA	NA
Light Fuel Oil (m3)	NA	NA	NA	NA
Natural gas (m3)	NA	NA	NA	NA
Coal/Solid fuel (metric tonnes)	NA	NA	NA	NA
Peat (metric tonnes)	NA	NA	NA	NA
Renewable Biomass	NA	NA	NA	NA
Renewable energy generated on site	NA	NA	NA	NA

<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.

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

where site production information is available p	lease enter percentage ii	icrease or decrease co	inpared to previous	year			
Table R2 Water usage on sit				Water Emissions	Water Consumption		
						Volume used i.e not	
			Production +/- %	Energy		discharged to	
			compared to	Consumption +/- %	Volume Discharged	environment e.g.	
	Water extracted	Water extracted	previous reporting	vs overall site	back to	released as steam	
Water use	Previous year m3/yr.	Current year m3/yr.	year**	production*	environment(m <sup>3</sup> yr):	m3/yr	Unaccounted for Water:
Groundwater							
Surface water							
Public supply	2830	2875	1.59%	NA	NA	NA	NA
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 Summ					
	Total	Landfill	Incineration	Recycled	Other
Hazardous (Tonnes)	0	0	0	0	0
Non-Hazardous (Tonnes)	32822 41	6737.540	7751.08	9263.3	9070.49

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 power is gene	rated onsite (e.g. nower	generation facilities/fo	od and drink industr	v)please complete the	e following informatio
	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					

omplaints and	d Incidents summary temp	ate			Lic No:	W0169-01		Year	2014	ı		i	
			Complaints		Additional inform	]							
			please complete summary details of complaints received		Additional inform	ation							
lave you received a	any environmental complaints in ti	on site in table 1 below	please complete summary details of complaints received	Yes									
		on site in table 1 below		T Cod		4							
Table	1 Complaints summary		7										
ate	Category	Other type (please specify)	Brief description of complaint (Free txt <20 words)	Corrective action< 20 words	Resolution status	Resolution date	Further information						
			Noxious and very strong odours coming from the	Odour investigation onsite and offsite took place on the the day			Manufactures of the deodorisers system						
			facility. Smell has got worse over the last few months,	of the compliant. Deodoriser system was turned up and			completed a full site inspection and maintenance						
09/06/2014	4 Odour		particularly on Mondays	continued inspection on a regular basis therafter.	Complete	11/06/201	4 of the system immediately	_					
							Prior to the compliant daily odour checks on-site						
							were carried out as part of the Nuisance						
				Odour investigation onsite and offsite took place on the the day			Inspections.Odour Assessment Field Record						
			Odour particularly bad from 3-5pm on Wednesday.	of the compliant. Deodoriser system was checked and inspections			Sheets didn't show any significant odour						
09/09/2014			Constant odour of fresh waste/bin smell	carried out 3 times daily for six weeks .	Complete	12/06/201	4 appearance.	4					
	SELECT SELECT				SELECT			-					
	SELECT				SELECT			-					
otal complaints	SEECO				SEEECI	1							
oen at start of													
porting year		0											
otal new													
mplaints													
ceived during													
porting year	-	2											
otal complaints osed during													
porting year		0											
alance of													
implaints end of													
porting year		0											
			Incidents			1							
					Additional informa	ation							
						1							
Have any incid	dents occurred on site in the currer	t reporting year? Please list all i	ncidents for current reporting year in Table 2 below	No		]							
For information on	n how to report and what constitute												
	an incident	What is an incident	1										
able 2 Incidents sur			٦										
ivie 2 incidents sui	IIIIIIdi y		1			Other				1	Preventative		T
		1				cause(please				Corrective action<20		1	Resolution
ate of occurrence	Incident nature	Location of occurrence	Incident category*please refer to guidance	Receptor	Cause of incident		Activity in progress at time of incident	Communication	Occurrence	words		Resolution status	
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT	
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT	
	SELECT		SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT	
	SELECT		SELECT SELECT	SELECT SELECT	SELECT		SELECT	SELECT	SELECT			SELECT	
					SELECT	1	SELECT	SELECT	SELECT	1	1	SELECT	
otal number of	SELECT	SEELET	SEECI	J. C.	JEEC 1								

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WASTE SUMMARY	Lic No:	W0169-01	Year	2014
SECTION A-PRTR ON SITE WASTE TREATMENT AND WASTE TRANSFERS TAB- TO BE COMPLETED BY ALL IPPC AND V	VASTE FACILITIES	PRTR facility logon	dropdown list click to see options	

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

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 boundaries 1 is to be captured through PRTR reporting)

If yes please enter details in table 1 below

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

Additional Information

Vanden Recycling Ltd, (company from Northern Ireland) brought in 11.340 tonnes

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

Secretarian procession of the control of the contro								have been reported in your PRT				
PROJECT METAL AND	Licenced annual	EWC code	Source of waste accepted	Description of waste	Quantity of waste	Quantity of waste accepted in	Reduction/	Reason for reduction/ increase from	Packaging Content (%)-	Disposal/Recovery or	Quantity of	Comments -
Standard Marked Confession (Confession Marked Confession Marked Co	tonnage limit for your			accepted	accepted in current	previous reporting year (tonnes)	Increase over	previous reporting year	only applies if the	treatment operation carried	waste	
Standard Marked Confession (Confession Marked Confession Marked Co	site (total			Please enter an	reporting year (tonnes)		previous year +/ -		waste has a packaging	out at your site and the	remaining on	
Companies   Continues   Cont	tonnes/annum)						%				site at the end	
## To Applicate Control of Contro	,,											
Comparison   Com												
Extraction Value Collection Part Collection  Address Collection Part Collection  DOLUMENT AND INSTITUTION WORTH AND INSTITUTION WORT											year (torries)	
STANLAR COMMERCIAL BOOLERS AND WASTER BOOLERS AND W												
Description (Lower Early Control (Lower Early Contr		European Waste Catalogue EWC codes										
PACKED OF LANGE AND				Catalogue EWC codes								
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2010 OCHECTROPACHONS  20 ANNION ANCIDENTAL AND BOUGHARD ANCIDENT A			INSTITUTIONAL WASTES)	commercial collections						operations numbered D1 to D12		
2.0 MINIORAL WASTED POLISTICAL MAD P			INCLUDING SEPARATELY									Increase is due to loads coming from our Mulleadys site
2.0 MINIORAL WASTED POLISTICAL MAD P		20 03 01	COLLECTED FRACTIONS		19596.67	16904.1	16%		N/A			in Mullingar Co. Westmeath
PROJUSTICAL AND SIMPLATE AND												
MODISTRIA, AND INSTITUTIONAL WASTES INCLUDING SEMANTICAL COLLECTOR PACTIONS 1 AND INSTITUTIONAL WASTES										R5-Recycling/reclamation or		
Minded Committeed.  Note of the processor of the cold and in receivery of the cold and received collection.  OLIGINAL ACCOMMENDAL AND STAN ACCOMMENDAL AND SANIAL COMMENDAL AND SANIAL COMM		1										
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INCLUDING SPANATEUR 21 01 01 COLLECTO PARCHONS 228.7 555.2 245 389 COLLECTOR PARCHONS 238.7 555.2 245 389 COLLECTOR PARCHONS 20 MUNICIPAL WASTES (MICHIGAN WASTES) (MICHIGAN W			INSTITUTIONAL WASTES)	commercial collections								
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2.0 DISCHINGUE, WASTS AND CONVESTORAL WASTS OF A CONVESTORAL WASTS O										construction materials		
CHOUSENDLO WASTEAN AND SINILAR COMMERCIAL, INDUSTRIAL AND STITUTIONAL WASTES) INCLUDING SEPARATELY CONCESSED WASTE PACKAGING (HOUSENDLO WASTEAN AND SINILAR COMMERCIAL), INDUSTRA AND SINILAR COMMERCIAL, INDUSTRA AND SINILAR COMMERCIAL SINILAR COMME		21 03 01			7288.7	5856.23	24%		38%			in Mullingar Co. Westmeath
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Institution   Mark			INDUSTRIAL AND	household and								
NOLUDING SPRACTELY COLLECTE PRACTIONS (AUDITION AND ASTE AND SIMILAR COMMERCIAL, NOUSTRAIL AND INSTITUTIONAL WASTES) (HOUSHOLD WASTE AND SIMILAR COMMERCIAL, NOUSTRAIL AND INSTITUTIONAL WASTES) (HOUSHOLD WASTE AND SIMILAR COMMERCIAL, NOUSTRAIL AND INSTITUTIONAL WASTES) (HOUSHOLD WASTE AND SIMILAR COMMERCIAL, NOUSTRAIL AND INSTITUTIONAL WASTES) (HOUSHOLD WASTE AND SIMILAR COMMERCIAL, NOUSTRAIL AND INSTITUTIONAL WASTES) (HOUSHOLD WASTE AND SIMILAR COMMERCIAL, NOUSTRAIL AND INSTITUTIONAL WASTES) (HOUSHOLD WASTE AND SIMILAR COMMERCIAL, NOUSTRAIL AND INSTITUTIONAL WASTES) (HOUSHOLD WASTE AND SIMILAR COMMERCIAL, NOUSTRAIL AND INSTITUTIONAL WASTES) (HOUSHOLD WASTE AND SIMILAR COMMERCIAL, NOUSTRAIL AND INSTITUTIONAL WASTES) (HOUSHOLD WASTE AND SIMILAR COMMERCIAL, NOUSTRAIL AND INSTITUTIONAL WASTES) (HOUSHOLD WASTE AND SIMILAR COMMERCIAL, NOUSTRAIL AND INSTITUTIONAL WASTES) (HOUSHOLD WASTE AND SIMILAR COMMERCIAL, NOUSTRAIL AND INSTITUTIONAL WASTES) (HOUSHOLD WASTE AND SIMILAR COMMERCIAL, NOUSTRAIL AND INSTITUTIONAL WASTES) (HOUSHOLD WASTE AND SIMILAR COMMERCIAL, NOUSTRAIL AND INSTITUTIONAL WASTES) (HOUSHOLD WASTE AND SIMILAR COMMERCIAL, NOUSTRAIL AND INSTITUTIONAL WASTES) (HOUSHOLD WASTE AND SIMILAR COMMERCIAL, NOUSTRAIL AND INSTITUTIONAL WASTES) (HOUSHOLD WASTE AND SIMILAR COMMERCIAL, NOUSTRAIL AND INSTITUTIONAL WASTES) (HOUSHOLD WASTE AND SIMILAR COMMERCIAL, NOUSTRAIL AND INSTITUTIONAL WASTES) (HOUSHOLD WASTE AND SIMILAR COMMERCIAL, NOUSTRAIL AND INSTITUTIONAL WASTES) (HOUSHOLD WASTE AND SIMILAR COMMERCIAL, NOUSTRAIL AND INSTITUTIONAL WASTES) (HOUSHOLD WASTE AND SIMILAR COMMERCIAL, NOUSTRAIL AND INSTITUTIONAL WASTES) (HOUSHOLD WASTE AND SIMILAR COMMERCIAL, NOUSTRAIL AND INSTITUTIONAL WASTES) (HOUSHOLD WASTE AND SIMILAR COMMERCIAL, NOUSTRAIL AND INSTITUTIONAL WASTES) (HOUSHOLD WASTE AND SIMILAR COMMERCIAL NOUSTRAIL AND INSTITUTIONAL WASTES) (HOUSHOLD WASTE AND SIMILAR COMMERCIAL NOUSTRAIL AND INSTITUTIONAL WASTES) (HOUSHOLD WASTE AND SIMILAR COMMERCIAL NOUSTRAIL AND INSTITUTIONAL WASTES) (HOUSHOLD WASTE AND SIMILAR COMM										operations numbered D1 to D14		counties we collect in
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ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING AND PROTECTIVE CLOTHING CLOTH SPECIAL CONTRACT CONTR		20 03 07			1277.69	1111.99	15%		0%			
ANSURENTS, WITHOUT CATOORING PACKAGING  CLOTHS, FILTER MATERIALS  AND PROTECTIVE CLOTHING  AND PROTECTIVE CLOTHING  Collection  AND PROTECTIVE CLOTHING  Collection  AND PROTECTIVE CLOTHING  Collection		1								R13-Storage of waste pending		
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AND PROTECTIVE CLOTHING collection		1	CLOTHS, FILTER MATERIALS	from municipal								
15 01 01 NOT OTHERWISE SPECIFIED 486.64 647.37 -25% 100% emporary storage Decrease is due to customer base		1	AND PROTECTIVE CLOTHING	collection								
		15 01 01	NOT OTHERWISE SPECIFIED		486.64	647.37	-25%		100%	temporary storage)		Decrease is due to customer base
	·		·	·	<del></del>		-	·	·			· · · · · · · · · · · · · · · · · · ·

WASTE SUMMARY			Lic No:	W0169-01			Year	2014	
	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING	Plastic packaging from municipal collection				Increase in MDR entering the facility form outside contractors		R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
	NOT OTHERWISE SPECIFIED							temporary storage;	Increase is due to new bailing contracts for packagin
15 01 02	15- WASTE PACKAGING;		279.06	146.47	91%		100%		material (mixed plastic bottles)
15 01 04	ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED 15- WASTE PACKAGING:	Metal packaging	340.45	107.56	217%		100%		Increase is due to new bailing contracts for packagin material (Al. Cans)
	ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING	Glass packaging (bottle banks, municipal collection, Civic Amenity).						R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
15 01 07	NOT OTHERWISE SPECIFIED	Amenicy).	1193.86	1241.37	-4%		100%		
16 01 03	16- WASTES NOT OTHERWISE SPECIFIED IN THE LIST	Car and tractor Tyres	240.02	185.82	29%		0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	Increased demand for recycling of tyres from local i
100103			240.02	103.02	23/0		0,0		reconcis
17 09 04	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Mixed C&D waste coming from construction sites.	476.26	126.54	276%		ner.	D13- Blending or mixing prior to submission to any of the operations numbered D1 to D12	Increase in tonnage is due to C&D coming from construction work which was carried out at Mu facility Mullingar (Wallace), also increase in construction activity in Co. Longford
17 09 04	20- MUNICIPAL WASTES		470.20	120.34	270%		0%		construction activity in co. Longiora
	(HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY	Mixed recyclables coming from commercial and industrial sources.						R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	Extra sorting caacity supplied to third party materi
20 03 01	COLLECTED FRACTIONS		703.21	404.33	74%		38%		recovery facilities and waste collectors
	10- WASTES FROM THERMAL PROCESSES	Gravel type bottom ash coming from industrial						D15-Storage pending any of the operations numbered D1 to D14	
10 01 01	08- WASTES FORM THE	source.	808	780.27	4%		0%		
	MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS,) ADHESIVES, SEALANTS AND PRINTING INKS	Paint Sludge coming from industrial source.						D15-Storage pending any of the operations numbered D1 to D14	
08 01 14	20- MUNICIPAL WASTES		195.59	185.58	5%		0%		
201040	(HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Metal coming from municipal collections	54.876	42.306	30%		0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	Increase is due to material coming from Wallaces facility which Mulleadys Ltd acquired February 201
	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND								
	SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY	Metal Packaging						R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	Increase is due to material coming from Wallaces o
150104	17- CONSTRUCTION AND		36.584	28.204	30%		100%	R13-Storage of waste pending	facility which Mulleadys Ltd acquired February 201
170201	DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	C&D WOOD	134.83	102.87	31%		0%	any of the operations numbered R1 to R12 (excluding temporary storage)	Increase is due to material coming from Wallaces of facility which Mulleadys Ltd acquired February 201
150103	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Wood Packaging	53.932	41.148	31%		100%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	Increase is due to material coming from Wallaces of facility which Mulleadys Ltd acquired February 201
200138	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY	Non Wood Packaging	80.898	61.722	31%		0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	Increase is due to material coming from Wallaces of facility which Mullacete 144 acrossed Gabrary 201
200138	COLLECTED FRACTIONS 20- MUNICIPAL WASTES		80.898	61./22	31%		0%		facility which Mulleadys Ltd acquired February 201
	(HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY	Household White goods delivered by Households						R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
200136	COLLECTED FRACTIONS		116.9	124.22	-6%		0%		

		2

WASTE SUMMARY	Lic No:	W0169-01	Year	2014
· ·		•	•	

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

Is all waste proceeding infrastructure as required by			

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?

## SECTION D-TO BE COMPLETED BY LANDFILL SITES ONLY Table 2 Waste type and tonnage-landfill only

Table 2 waste type	and tormage-randim 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

Yes	
Yes	
Yes	
Yes Yes	
Yes	

### Table 3 General information-Landfill only

	Area ID	Date landfilling commenced	Date landfilling ceased	Currently landfilling	Private or Public Operated	Inert or non-hazardous	Predicted date to cease landfilling	Licence permits asbestos	Is there a separate cell for asbestos?	Total disposal area occupied by waste	Lined disposal area occupied by waste
										SELECT UNIT	SELECT UNIT
C	ell 8										

WASTE SUMMARY	Lic No:	W0169-01	Year	2014
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Table 4 Environmental monitoring-landfill only

Landfill Manual-Monitoring Standards

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

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

Table 5 Capping-Landfill only

				Area with waste that		
Area uncapped*	Area with temporary cap			should be permanently		
SELECT UNIT	SELECT UNIT	Area with final cap to LD		capped to date under		
DEEDCT CITE	DELECT CHT	Standard m2 ha, a	Area capped other	licence	What materials are used in the cap	Comments

\*please note this includes daily cover area

Table 6 Leachate-Landfill only
9 Is leachate from your site treated in a Waste Water Treatment Plant?
10 Is leachate released to surface water? If yes please complete leachate mass load information below

SELECT	
SELECT	

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

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

### **AER Returns Workbook**

	Version 1.1.18
REFERENCE YEAR	2014
1. FACILITY IDENTIFICATION	
Parent Company Name	Mulleady's Limited
	Mulleady's Limited (Drumlish)
PRTR Identification Number	
Licence Number	
Election Number	1770100 01
Classes of Activity	T
No.	class_name
-	Refer to PRTR class activities below
Address 1	Cloonagh
Address 2	Drumlish
Address 3	
Address 4	
/ladiose i	
	Longford
Country	
Country	
	-7.783576413 53.8062771
River Basin District	
NACE Code	
	Treatment and disposal of non-hazardous waste
AER Returns Contact Name	Ludmila Gabrisova
AER Returns Contact Email Address	Lu@mulleadys.com
AER Returns Contact Position	Environmental Manager
AER Returns Contact Telephone Number	
AER Returns Contact Mobile Phone Number	
AER Returns Contact Fax Number	
Production Volume	0.0
Production Volume Units	
Number of Installations	
Number of Operating Hours in Year	
Number of Employees	
User Feedback/Comments	Releases to Waters - Monitoring results for 2014 for Ammonialcal Nitrogen varied to the ones for
	2013 (within the Triggerl Levels limits) therefore the total release to the waters for the year is
	different to the one for 2013.
Web Address	
2. PRTR CLASS ACTIVITIES	
Activity Number	Activity Name
5(c)	Installations for the disposal of non-hazardous waste
5(c)	Installations for the disposal of non-hazardous waste
50.1	General
3. SOLVENTS REGULATIONS (S.I. No. 543 of 20	02)
Is it applicable?	No
Have you been granted an exemption ?	No
If applicable which activity class applies (as per	
Schedule 2 of the regulations) ?	
Is the reduction scheme compliance route being	
used?	
4 WASTE IMPORTED/ACCEPTED CATO SITE	Guidance on waste imported/accepted onto site
4. WASTE IMPORTED/ACCEPTED ONTO SITE	
Do you import/accept waste onto your site for on-	
site treatment (either recovery or disposal	

ary or disposal activities)? Yes

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

4.1 RELEASES TO AIR

Link to previous years emissions data

| PRTR# : W0169 | Facility Name : Mulleady's Limited (Drumlish) | Filename : W0169\_2014.xls | Return Year : 2014 |

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**SECTION A: SECTOR SPECIFIC PRTR POLLUTANTS** 

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

\* 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 POLLUTANT			Please enter all quantities in this section in KGs						
					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	1	0.0	) 0.0	

\* 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						
POLLUTANT			N	ETHOD	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	

\* 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:

Landfill:

Mulleady's Limited (Drumlish)

Please enter summary data on the guantities of methane flared and / or utilised			Moth	nod Used		
qualitities of methane nared and 7 or utilised					Facility Total Capacity m3	1
	T (Total) kg/Year	M/C/E	Method Code	Description	per hour	İ
Total estimated methane generation (as per						i
site model)	0.0				N/A	i
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						i
A above)	0.0				N/A	i
Net methane emission (as reported in Section						(Total Utilising Capacit

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4.2 RELEASES TO WATERS

Link to previous years emissions data

PRTR#: W0169 | Facility Name: Mulleady's Limited (Drumlish) | Filename: W0169\_2014.xls | Return Year: 2014 |

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SECTION A:	SECTOR SPECI	FIC PRTR POLLUTANTS	

SEC	TION A : SECTOR SPECIFIC PRTR POL		Data on ambient monitoring of storm/surface water or groundwater, conducted as part of your licence requirements, should NOT be submitted under AER / PRTR Reporting as this only										
		RELEASES TO WATERS POLLUTANT				Please enter all quantities	in this section in KGs						
		POLLUTANT		1				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				
					Calculated from test results								
					for Ammoniacal Nitrogen (4								
					test results for 2014								
					reporting period), annual								
					rainfall data for Mullingar								
					station and facility operating								
12		Total nitrogen	С	OTH	area.	46.7	46.7	0.0	0.0				

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

### SECTION B : REMAINING PRTR POLLUTANTS

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

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

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

	RELEASES TO WATERS	Please enter all quantities in this section in KGs								
	POLLUTANT						QUANTITY			
				Method Used						
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year		
					n	0 00	1 0.0	0.0		

\* 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

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#### SECTION A - PRTP POLITITANTS

	OFFSITE TRANSFER OF POLLUTANTS DESTINED F	OR WASTE-WATER TREATMENT OR			Please enter all quantiti	es in this			
	POLLUTANT			METHOD	QUANTITY				
				Method Used					
lo. Annex II	Name	M/C/E	Method Code	Designation or Description			al) KG/Year A	A (Accidental) KG/Year	F (Fugitive) KG/Yea
					•	.0	0.0	0.0	0
				Calculated from test results					
				for Ortho Phosphates as					
				PO4 (4 set of results for					
				2014 reporting period) and					
				from volume of waste					
3	Total phosphorus	C	ОТН	water collected in 2014.	1.05	15	1.0515	0.0	0.
				Calculated from test results					
				for Ammoniacal Nitrogen					
				(4 sets of results for 2014					
				reporting period) and from					
				volume of waste water					
2	Total nitrogen	С	OTH	colelcted in 2014.	5.6	39	5.639	0.0	0.
	* Select a row by double-clicking on the Pollutant Name (Column B) t	hen click the delete button							

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

	OFFSITE TRANSFER OF POLLUTANTS DE		Please enter all quantities in this section in KGs						
	POLLUTANT		N	IETHOD	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	٥	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

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4.4 RELEASES TO LAND

Link to previous years emissions data

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### **SECTION A: PRTR POLLUTANTS**

	REI	EASES TO LAND			Please enter all quant	Gs	
	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
						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)

	RELEASES TO LAND				Please enter all quantitie	3s	
	POLLUTANT		MET	HOD		QUANTITY	
			N	Method 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#: W0169 | Facility Name: Mulleady's Limited (Drumlish) | Filename: W0169\_2014.xts | Return Year: 2014 |

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			Quantity (Tonnes per Year)				Method Used		Haz Waste: Name and Licence/Permit No of Next Destination Facility <u>Naz Waste</u> : 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 Destinatic i.e. Final Recovery / Disposal Sit (HAZARDOUS WASTE ONLY)
ransfer Destination	European Waste Code	Hazardous		Description of Waste	Waste Treatment Operation	M/C/E	Method Used	Location of Treatment				
Vithin the Country	08 01 14	No	177.7	sludges from paint or varnish other than those mentioned in 08 01 13	D5	M	Weighed	Offsite in Ireland	Drehid Waste Management Facility Bord Na Mona,W201-02 Drehid Waste Management	Killinagh Upper,Carbury,.,Co. Kildare,Ireland Killinagh		
Vithin the Country	10 01 01	No	720.0	bottom ash, slag and boiler dust (excluding boiler dust mentioned in 10 01 04)	D5	M	Weighed	Offsite in Ireland		Upper,Carbury,.,Co. Kildare,Ireland Baanhoekweg 4,3313		
o Other Countries	15 01 01	No	341.48	paper and cardboard packaging	R5	М	Weighed	Abroad	Peute Papier Recycling,IRE/G006/12 Irish Packaging and	LA,Dortrecht,A528041436,N etherlands Beauparc Business Park,NavanCo.		
Vithin the Country	15 01 01	No	757.74	paper and cardboard packaging	R5	M	Weighed	Offsite in Ireland	Recycling,WPR021/2	Meath,Ireland Unit 9 Rossfield,50 Rosemount Business		
o Other Countries	15 01 01	No	374.82	paper and cardboard packaging	R5	M	Weighed	Abroad	Agnail Ltd,IRE/AG/117/12 Wilton Waste	Park,Ballycoolin,Dublin 11,Ireland		
Vithin the Country	15 01 04	No	257.16	metallic packaging	R4	M	Weighed	Offsite in Ireland	Recycling, Waste Permit: 06/30 Wilton Waste Recycling, Waste	Ballyjamesduff,,Co. Cavan,Ireland Ballyjamesduff,,Co.		
Vithin the Country	15 01 04	No	306.96	metallic packaging	R4	M	Weighed	Offsite in Ireland		Cavan, Ireland 52 Creagh Road, Toomebridge,,Co.		
o Other Countries  Vithin the Country		No No	1247.84 17.26		R5	M M	Weighed Weighed	Abroad Offsite in Ireland	Glassdon,LN/08/103 Gannon Eco Limited,WFP- WM-2009-0007-01	Antrim, United Kingdom Quarriers, Ballinagore, West Meath, ., Ireland		
Vithin the Country		Yes			R4	М	Weighed	Offsite in Ireland	Rilta Environmental Ltd,EPA	Greenogue Business	Rilta Environmental,192- 03,Rilta Environmental,Block 402,Greenogue Business Park,Rathcoole,Ireland	Rilta Environmental, Block 402, Greenogue Business Park, Rathcoole, Ireland
Vithin the Country	16 06 04	No	0.76	alkaline batteries (except 16 06 03)	R4	M	Weighed	Offsite in Ireland	KMK Metals Recycling Ltd,W0113-03 Wilton Waste	Estate, Daingean Road, Tullamore, Co. Offally, Ireland		
Vithin the Country	17 04 01	No	0.3	copper, bronze, brass other wastes (including mixtures of materials) from mechanical treatment of	R4	М	Weighed	Offsite in Ireland	Recycling,Waste Permit:06/30 Padraig Thornton	Ballyjamesduff,,Co. Cavan,Ireland T/A Thornton Recycling Unit S3B Henry Road ,Park West		
Vithin the Country	19 12 12	No	131.66	wastes other than those mentioned in 19 12 11	R3	М	Weighed	Offsite in Ireland	Waste, Disposal Ltd WCP- DC-09-1190	Business Park, Dublin 12 ,Co/Dublin, Ireland Carranstown, Duleek, CoMe		
Vithin the Country	20 03 01	No	1475.08	mixed municipal waste other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	R1	М	Weighed	Offsite in Ireland	Indaver Ireland,W0167-02  Greenstar Millenium Park W183 - 1,Millenium	ath,Ireland  Grange ,Ballycoolin,Dublin,		
Vithin the Country	19 12 12	No	192.1		R3	M	Weighed	Offsite in Ireland		,Ireland Unit 9 Rossfield,50 Rosemount Business		
o Other Countries	20 01 01	No	1191.94	paper and cardboard	R5	М	Weighed	Abroad	Agnail Ltd,IRE/AG/117/12	Park,Ballycoolin,Dublin 11,Ireland		

									Haz Waste : Name and			
									Licence/Permit No of Next			
			Quantity						Destination Facility Non Haz Waste: Name and	Haz Waste : Address of Next Destination Facility	Name and License / Permit No. and Address of Final Recoverer /	Actual Address of Final Destination
			(Tonnes per						Licence/Permit No of	Non Haz Waste: Address of	Disposer (HAZARDOUS WASTE	i.e. Final Recovery / Disposal Site
			Year)				Method Used		Recover/Disposer	Recover/Disposer	ONLY)	(HAZARDOUS WASTE ONLY)
					Waste							
	European Waste				Treatment			Location of				
Transfer Destination	Code	Hazardous		Description of Waste	Operation	M/C/E	Method Used	Treatment				
										Baanhoekweg 4,3313		
									Peute Papier	LA,Dortrecht,A528041436,N		
To Other Countries	20 01 01	No	740.06	paper and cardboard	R5	M	Weighed	Abroad	Recycling,IRE/G006/12	etherlands		
									WRC Recycling Total Waste			
To Other Countries	20.04.04	No	1000.00	napar and cardboard	DE	М	Weighod	Abroad	Solution, WRC Recycling Floor	,,,Renfrewshire,,,United		
To Other Countries	20 01 01	NO	1000.96	paper and cardboard	R5	IVI	Weighed	ADIOAU	Michael Dolan,WFPWM-	Kingdom Johnstown, Slanemore, "Mulli		
Within the Country	20.01.08	No	376.3	biodegradable kitchen and canteen waste	R3	М	Weighed	Offsite in Ireland	2010-0005-01	ngar,Ireland		
within the Country	20 01 00	140	370.3	biodegradable kitchen and canteen waste	11.5	IVI	Weighted	Offsite in freiand	2010-0003-01	Glen Abbey		
										Complex,Belgrad		
									Textile Recycling Ltd,WPR-	Road, Tallagh, Dublin		
Within the Country	20 01 11	No	8.76	textiles	R5	М	Weighed	Offsite in Ireland		24,Ireland		
			20								KMK Metals Recycling	
											Ltd,W0113-03,Cappincur	Cappincur Industrial
										Estate, Daingean	Industrial Estate, Daingean	Estate, Daingean
				fluorescent tubes and other mercury-					KMK Metals Recycling	Road, Tullamore, Co.	Road, Tullamore, Co.	Road, Tullamore, Co.
Within the Country	20 01 21	Yes	1.32	containing waste	R5	M	Weighed	Offsite in Ireland	Ltd,W0113-03	Offally, Ireland	Offaly, Ireland	Offaly, Ireland
										Cappincur Industrial		
				discarded electrical and electronic					KMK Metals Recycling	Estate, Daingean		
				equipment other than those mentioned in					Ltd,EPA Waste Licence:	Road,Tullamore,Co.		
Within the Country	20 01 36	No	116.9	20 01 21, 20 01 23 and 20 01 35	R4	M	Weighed	Offsite in Ireland		Offaly, Ireland		
										Office 2 Roxborough,,Co.		
Within the Country	20 01 38	No	194.08	wood other than that mentioned in 20 01 37	R3	M	Weighed	Offsite in Ireland	Ltd,WFP-RN-10-0001-01	Roscommon, Ireland		
									Conroys Recycling Company,WFP-WH-2009-	Sonna ,Mullingar,Westmeath,.,Irela		
Within the Country	20.01.20	No	262.72	wood other than that mentioned in 20 01 37	D2	М	Weighed	Offsite in Ireland		nd		
Willing the Country	20 01 36	NO	203.72	wood other than that mentioned in 20 01 37	N3	IVI	weighed	Offsite in freiand	0002-01	47 Swaffham		
									Boost Recycling	Road, Burwell, Cambridge, CB		
To Other Countries	20 01 39	No	100.4	plastics	R5	М	Weighed	Abroad	Ltd.IRE/G082/12	250AN,United Kingdom		
									Filmco Limited ,WFP-TS-10-	Ballylynch ,Carrick On		
Within the Country	20 01 39	No	11.02	plastics	R5	M	Weighed	Offsite in Ireland	0003-03	Suir, Tipperary ,,, Ireland		
•									WRC Recycling Total Waste	St. Johnstone		
									Solution,WRC Recycling	,,,Renfrewshire,,,United		
To Other Countries	20 01 39	No	437.74	plastics	R5	M	Weighed	Abroad	Floor	Kingdom		
										157 Highlever Road		
									Asia Global Trade	,,,London,W10 6PH,United		
To Other Countries	20 01 39	No	397.38	plastics	R5	M	Weighed	Abroad	Ltd,IRE/G045/15	Kingdom		
									Wilton Waste	Palluiamanduff C-		
Middie the Original	00.04.40	NI-	055.44		D4		Material	Official in Indianal	Recycling, Waste	Ballyjamesduff,,,,,Co.		
Within the Country	20 01 40	No	255.44	metals	R4	М	Weighed	Offsite in Ireland	Permit:06/30 Drehid Waste Management	Cavan, Ireland Killinagh		
									Facility Bord Na	Upper,Carbury,.,Co.		
Within the Country	20.03.01	No	1031 64	mixed municipal waste	D5	М	Weighed	Offsite in Ireland		Kildare,Ireland		
within the Country	20 03 01	140	1951.04	other wastes (including mixtures of	D3	IVI	Weighted	Offsite in freiand	World, WZOT OZ	raidaro, irolaria		
				materials) from mechanical treatment of								
				wastes other than those mentioned in 19 12						Carranstown, Duleek,, CoMe		
Within the Country	19 12 12	No	5269.78		R1	M	Weighed	Offsite in Ireland	Indaver Ireland,W0167-02	ath,Ireland		
				other wastes (including mixtures of					.,			
				materials) from mechanical treatment of						Marymount, Castleknock		
				wastes other than those mentioned in 19 12					Enrich Environmental	Rd,Castlecnock,Dublin		
Within the Country	19 12 12	No	112.1		R3	M	Weighed	Offsite in Ireland	Ltd,08/0004/01	15,Ireland		
				other wastes (including mixtures of								
				materials) from mechanical treatment of						Killinagh		
				wastes other than those mentioned in 19 12					Facility Bord Na	Upper,Carbury,.,Co.		
Within the Country	19 12 12	No	3908.2	11	D5	M	Weighed	Offsite in Ireland	Mona,W201-02	Kildare,Ireland		

_													
										Haz Waste : Name and			
										Licence/Permit No of Next	Handware Address of New	Name and License / Permit No. and	
				Quantity						Destination Facility Non Haz Waste: Name and	Haz Waste : Address of Next Destination Facility	Name and License / Permit No. and Address of Final Recoverer /	Actual Address of Final Destination
				(Tonnes per						Licence/Permit No of	Non Haz Waste: Address of	Disposer (HAZARDOUS WASTE	i.e. Final Recovery / Disposal Site
				Year)				Method Used		Recover/Disposer	Recover/Disposer	ONLY)	(HAZARDOUS WASTE ONLY)
				·		Waste							
		European Waste				Treatment			Location of				
	Transfer Destination	Code	Hazardous		Description of Waste	Operation	M/C/E	Method Used	Treatment				
					other wastes (including mixtures of								
					materials) from mechanical treatment of						Killinagh		
					wastes other than those mentioned in 19 12					Facility Bord Na	Upper,Carbury,.,Co.		
١	Within the Country	19 12 12	No	8258.59		R3	M	Weighed	Offsite in Ireland	Mona,W201-02	Kildare,Ireland		
					other wastes (including mixtures of								
					materials) from mechanical treatment of						Beauparc Business		
					wastes other than those mentioned in 19 12					D   1 W0440.00	Park,,,Navan,Co.Meath,Irela		
1	Within the Country	19 12 12	No	663.94		R1	M	Weighed	Offsite in Ireland	Panda,W0140-03	nd		
					other wastes (including mixtures of						Manager and the december		
					materials) from mechanical treatment of					Ovigen	Merrywell Industrial		
,	Within the Country	10 12 12	No	18.52	wastes other than those mentioned in 19 12	R1	М	Weighed	Offsite in Ireland	Oxigen Environmental,W0152-03	Estate,Ballymount Road Lower,Dublin 22,.,Ireland		
	Willin the Country	19 12 12	INO	10.52	11	KI	IVI	weigned		Advanced Environmental	Proudstown		
										Solutions (Ireland)	Road,.,Navan,Co.		
١	Within the Country	20.03.07	No	194 14	bulky waste	R5	М	Weighed	Offsite in Ireland	Ltd,W0131-02	Meath, Ireland		
	Wilding the Country	20 00 01	140	104.14	bulky waste	110		Weighted	Official In Inciding	Advanced Environmental	Wedth, il clarid		
										Solutions (Ireland)	Coldwinters, Blakescross, Lus		
١	Within the Country	20 03 07	No	102.3	bulky waste	R5	М	Weighed	Offsite in Ireland		k.Co.Dublin.Ireland		
	, , , , , , , , , , , , , , , , , , , ,				,						Unit 11 Alvaston Business		
											Park, Middlewoch		
											Road, Nantwich		
										Recycling Uk	Cheshire,CW56PF,United		
	To Other Countries	20 01 01	No	377.52	paper and cardboard	R3	M	Weighed	Abroad	Limited,IRE/G069/15	Kingdom		
											The Rubicon Centre,CIT		
										Marwin Environmnetal	Campus, Bishopstown, Cork, I		
	To Other Countries	15 01 02	No	89.72	plastic packaging	R3	M	Weighed	Abroad	Trading,IRE/G027/15	reland		
											The Rubicon Centre,CIT		
										Marwin Environmnetal	Campus,Bishopstown,Cork,I		
	To Other Countries	20 01 39	No	24.02	plastics	R3	M	Weighed	Abroad	Trading,IRE/G027/15	reland		
											The Kipper		
										Materia Environment	House, Scilly, Kinsale, Co.		
	To Other Countries	20 01 39	No	101.42	plastics	R3	М	Weighed	Abroad	Ltd,IRE/AG161/15	Cork,Ireland		
											11 Porthill		
										Greenway Ireland	Road, Mountnorris, Co. Armagh, BT602TY, United		
	To Other Countries	20.01.20	No	29.04	plastics	R3	М	Weighed	Abroad	Ltd,IRE/AG035/15	Kingdom		
	To Other Countiles	20 01 39	NO	36.04	plastics	N3	IVI	Weighed	Abibau	Ltd,IRE/AG035/15	Unit 11A.Blaris Industrial		
											Estate, Altona Road		
										Vanden	Lisburn,BT275QB,United		
	To Other Countries	20 01 39	No	406.02	plastics	R3	М	Weighed	Abroad	Recycling,IRE/G274/16	Kingdom		
										, , , , , , , , ,	4F Fingal Business		
										Pac On Waste & Recycling	Park,Ballbriggan,Co.		
١	Within the Country	20 01 39	No	21.72	plastics	R1	M	Weighed		Ltd,WFP-FG-10/0004-01	Dublin,.,Ireland		
											17 Slack		
											Road,.,Manchester,M98AW,		
	To Other Countries	15 01 04	No	21.96	metallic packaging	R4	M	Weighed	Abroad	Novelis,BL6802IU	United Kingdom		
											Randor Park Industrial		
										Tandom Metallurgical Group			
	To Other Countries	15 01 04	No	25.34	metallic packaging	R4	M	Weighed	Abroad	Ltd,IRE/G237/15	CW124XE,United Kingdom	14/74	
												Wilton Waste,wfp-cn-10-	
										Wilton Wasts		0005-	
										Wilton Waste Recycling, Waste	Ballyjamesduff,,Co.	01,Kiffagh,Crosserlough,Ball yjamesduff,Co.	Kiffagh,Crosserlough,Ballyja
,	Within the Country	16.06.01	Yes	17.50	lead batteries	R4	М	Weighed	Offsite in Ireland		Cavan, Ireland		mesduff,Co. Cavan,Ireland
	within the Country	10 00 01	162	17.58	ioda patteries	134	IVI	vveigneu	Onsite in Heland	1 CHIIII.00/30	Ouvan, ireland	Gavan, il Giana	mosdun,oo. Oavan,neianu

Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)		Waste Treatment Operation		Method Used Method Used	Location of Treatment	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)
Within the Country  To Other Countries		Yes	2.68	S .		M M		Offsite in Ireland	Rilta Environmental Ltd,EPA	Greenogue Business Park,Rathcoole,Dublin,Co. Dublin,Ireland Brook House,Hambleton Road,Egleton,LE15 8AE.United Kinddom		Rilta Environmental,Block 402,Greenogue Business Park,Rathcoole,Ireland

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

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