

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	Mulleadys Ltd		
Site Location	Cloonaugh Drumlish Co. Longford		
NACE Code	3811, 3821		
Class/Classes of Activity	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 resumed in February 2014. The oversize (over 50mm) fraction was transferred to landfill or for incineration, the undersize which comprises of waste fines was transferred 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 transferred 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.

	27/03/2015
Signature Group/Facility manager <small>(or nominated, suitably qualified and experienced deputy)</small>	Date

AIR-summary template	Lic No: W0169-01	Year: 2014
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Answer all questions and complete all tables where relevant

Additional information

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

Yes

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.

Periodic/Non-Continuous Monitoring

- 2 Are there any results in breach of licence requirements? If yes please provide brief details in the comment section of TableA1 below

No

- 3 Was all monitoring carried out in accordance with EPA guidance note AG2 and using the basic air monitoring checklist? [Basic air monitoring checklist](#) [AGN2](#)

Yes

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

Emission reference no:	Parameter/ Substance	Frequency of Monitoring	ELV in licence or any revision thereof	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence limit	Method of analysis	Annual mass load (kg)	Comments - reason for change in % mass load from previous
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	
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	
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	
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	
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	0.0261705	
No. 3 D1	Dust	29/10/2014 - 27/11/2014	No	350 mg/m2/day	20.7	mg/m2/day	yes	Dust is collected using a jam jar collector, Bergerhoff method. Determination of Dust	0.0075555	
No. 3 D3	Dust	29/10/2014 - 27/11/2014	No	350 mg/m2/day	1.84	mg/m2/day	yes	Dust is collected using a jam jar collector, Bergerhoff method. Determination of Dust	0.0006716	
No. 3 D4	Dust	29/10/2014 - 27/11/2014	No	350 mg/m2/day	1.24	mg/m2/day	yes	Dust is collected using a jam jar collector, Bergerhoff method. Determination of Dust	0.0004526	

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

AIR-summary template	Lic No: W0169-01	Year	2014
Continuous Monitoring			

4	Does your site carry out continuous air emissions monitoring? If yes please review your continuous monitoring data and report the required fields below in Table A2 and compare it to its relevant Emission Limit Value (ELV)	No	
5	Did continuous monitoring equipment experience downtime? If yes please record downtime in table A2 below	No	
6	Do you have a proactive service agreement for each piece of continuous monitoring equipment?	No	
7	Did your site experience any abatement system bypasses? If yes please detail them in table A3 below	No	

Table A2: Summary of average emissions -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 thereof								
	SELECT		SELECT	SELECT					
	SELECT			SELECT					
	SELECT			SELECT					
	SELECT			SELECT					
	SELECT			SELECT					

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

Table A3: Abatement system bypass reporting table

[Bypass protocol](#)

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

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

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

AIR-summary template		Lic No: W0169-01	Year	2014				
Solvent use and management on site								
8 Do you have a total Emission Limit Value of direct and fugitive emissions on site? if yes please fill out tables A4 and A5			No					
Table A4: Solvent Management Plan Summary Total VOC Emission limit value		Solvent regulations Please refer to linked solvent regulations to complete table 5 and 6						
Reporting year	Total solvent input on site (kg)	Total VOC emissions to Air from entire site (direct and fugitive)	Total VOC emissions as %of solvent input	Compliance				
			Total Emission Limit Value (ELV) in licence or any revision thereof	SELECT				
				SELECT				
Table A5: Solvent Mass Balance summary								
	(I) Inputs (kg)	(O) Outputs (kg)						
Solvent	(I) Inputs (kg)	Organic solvent emission in waste gases(kg)	Solvents lost in water (kg)	Collected waste solvent (kg)	Fugitive Organic Solvent (kg)	Solvent released in other ways e.g.	Solvents destroyed onsite through	Total emission of Solvent to air (kg)
							Total	

		Additional information
<p>1 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</p>	YES	<p>In 2014 the monitoring of surface water was carried out in accordance with Schedule D4 of the waste Licence. Daily visual inspections are carried out on the surface water poit SD-1. June 2nd 2011 Mulleadys requested review of monitoring requirement of off-site surface water drain. Agency reviewed past 4 years monitoring data for SD-1, SW-1 and SW-2 and agreed to proposed reduction in monitoring locations under Condition 7.2 of the licence. Mulleadys continued to monitor surface water discharges at the on-site chamber downstream of the interceptors on a quarterly basis as per the licence requirements and visual inspections on a daily basis.</p>
<p>2 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 <u>only any evidence of contamination noted during visual inspections</u></p>	YES	

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
	SELECT	SELECT	SELECT			SELECT		SELECT	SELECT	
	SELECT	SELECT	SELECT			SELECT		SELECT	SELECT	

*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)

<p>3 Was there any result in breach of licence requirements? If yes please provide brief details in the comment section of Table W3 below</p>	Yes	Additional information
<p>4 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 require improvement in additional information box</p>	Yes	<p>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 SD-1 for Q2 shows exceedance of Trigger Level Limit for Ammonia. Trigger Limit for Ammonia is 1 mg/l, monitoring result was 1.77 mg/l. Investigation was carried out on surface water lines withing the Facility area. No defects were found, yet additional powerwashing of the lines was carried out to eliminate potential exceedance of the Triggel Level Limit in the future.</p>
	Yes	

[External /Internal Lab Quality Assessment of results checklist](#)

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)													
		Lic No:		W0169-01		Year		2014					

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

Emission reference no:	Emission released to	Parameter/ Substance>Note 1	Type of sample	Frequency of monitoring	Averaging period	ELV or trigger values in licence or any revision thereof ^{Note 2}	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/l	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/D2	All values < ELV	4.66	mg/l	yes	Alcontrol Laboratories TM045, Determination of BOD5 (ATU) Filtered by Oxygen Meter on liquids	UK SCA "Blue Book" series	Blue Book 130	0.0017009	
SD - 1	Water	BOD	discrete	04/06/2014		≤5MG/D2	All values < ELV	2.03	mg/l	yes	Alcontrol Laboratories TM045, Determination of BOD5 (ATU) Filtered by Oxygen Meter on liquids	UK SCA "Blue Book" series	Blue Book 130	0.00074095	
SD - 1	Water	BOD	discrete	24/09/2014		≤5MG/D2	All values < ELV	<1	mg/l	yes	Alcontrol Laboratories TM045, Determination of BOD5 (ATU) Filtered by Oxygen Meter on liquids	UK SCA "Blue Book" series	Blue Book 130	#VALUE!	
SD - 1	Water	BOD	discrete	11/11/2014		≤5MG/D2	All values < ELV	4.96	mg/l	yes	Alcontrol Laboratories TM045, Determination of BOD5 (ATU) Filtered by Oxygen 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/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	0.00064605	
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/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	0.00028397	
SD - 1	Water	COD	discrete	05/03/2014			All values < ELV	40.6	mg/l	yes	Alcontrol Laboratories, TM 107, Determination of Chemical Oxygen 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 Oxygen Demand using COD Dr Lange Kit	ISO	ISO 6060-1989	0.009563	

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)														
Lic No: W0169-01														
Year 2014														
SD - 1	Water	COD	discrete	24/09/2014		All values < ELV	7.65	mg/l	yes	Alcontrol Laboratories, TM 107, Determination of Chemical Oxygen 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 Oxygen 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	mS/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	discrete	11/11/2014	1000 µS/cm	All values < ELV	0.582	mS/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/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria		0.0132495	

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)													
					Lic No:	W0169-01		Year	2014				
SD - 1	Water	Mineral Oils	discrete	04/06/2014		5mg/l	All values < ELV	36.4	µ/l	yes	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/l	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/l	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	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	0.00264625
SD - 1	Water	Ph	discrete	04/06/2014		6.0 - 9.0	All values < ELV	8.12	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	0.0029638
SD - 1	Water	Ph	discrete	24/09/2014		6.0 - 9.0	All values < ELV	8.4	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	0.003066
SD - 1	Water	Ph	discrete	11/11/2014		6.0 - 9.0	All values < ELV	7.43	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	0.00271195

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)															
				Lic No: W0169-01		Year 2014									
WWT - 1	Wastewater/Se wer	Suspended Solids	discrete	11/04/2014		400mg/l	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/l	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/l	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/l	All values < ELV	46.7	mg/l	yes	Alcontrol Laboratories TM045, Determination of BOD5 (ATU) Filtered by Oxygen Meter on liquids	UK SCA "Blue Book" series	Blue Book 130	0.0170455	
WWT - 1	Wastewater/Se wer	BOD	discrete	04/06/2014		400mg/l	All values < ELV	42.6	mg/l	yes	Alcontrol Laboratories TM045, Determination of BOD5 (ATU) Filtered by Oxygen 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 BOD5 (ATU) Filtered by Oxygen 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 Oxygen Meter on liquids	UK SCA "Blue Book" series		0.092345	

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)														
		Lic No:		W0169-01		Year		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/l	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/l	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 Monitoring returns summary template-WATER/WASTEWATER(SEWER)														
		Lic No:		W0169-01		Year		2014						
WWT - 1	Wastewater/Se wer	Ortho-phosphate (as PO4)	discrete	11/04/2014		10mg/l	All values < ELV	0.918	mg/l	yes	Alcontrol Laboratories, TM184, The Determination of Anions in Aqueous Matrices using the Kone Spectrophotometric Analysers	EPA	Methods 325.1 & 325.2	0.00033507
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/l	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	0.00507335
WWT - 1	Wastewater/Se wer	Ortho-phosphate (as PO4)	discrete	13/11/2014		10mg/l	All values < ELV	2.19	mg/l	yes	Alcontrol Laboratories, TM184, The Determination of Anions in Aqueous Matrices using the Kone Spectrophotometric Analysers	EPA	Methods 325.1 & 325.2	0.00079935
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 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.	6.94	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	0.004745	
												Blue Book 130		
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	0.00122275	
												Blue Book 131		
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.S. (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: Volumetric flow shall be included as a reportable parameter														
Note 2: Where Emission Limit Values (ELV) do not apply to your licence please compare results against EQS for Surface water or relevant receptor quality standards														

Continuous monitoring
 5 Does your site carry out continuous emissions to water/sewer monitoring? Additional Information

If yes please summarise your continuous monitoring data below in Table W4 and compare it to its relevant Emission Limit Value (ELV)

6 Did continuous monitoring equipment experience downtime? If yes please record downtime in table W4 below

7 Do you have a proactive service contract for each piece of continuous monitoring equipment on site?

8 Did abatement system bypass occur during the reporting year? If yes please complete table W5 below

Table W4: Summary of average emissions -continuous monitoring

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

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

Table W5: Abatement system bypass reporting table

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

*Measures taken or proposed to reduce or limit bypass frequency

Bund testing

dropdown menu click to see options

Additional information

Are you required by your licence to undertake integrity testing on bunds and containment structures? If yes please fill out table B1 below listing all **new bunds and containment structures on site**, in addition to **all bunds which failed the integrity test- all bunding structures which failed including mobile bunds must be listed in the table below, please include all bunds outside the licenced testing period** (mobile bunds and chemstore included)

- 1 Please provide integrity testing frequency period
- 2 Does the site maintain a register of bunds, underground pipelines (including stormwater and foul), Tanks, sumps and containers? (containers refers to "Chemstore" type units and mobile bunds)
- 3 How many bunds are on site?
- 4 How many of these bunds have been tested within the required test schedule?
- 5 How many mobile bunds are on site?
- 6 Are the mobile bunds included in the bund test schedule?
- 7 How many of these mobile bunds have been tested within the required test schedule?
- 8 How many sumps on site are included in the integrity test schedule?
- 9 How many of these sumps are integrity tested within the test schedule?
- 10 **Please list any sump integrity failures in table B1**
- 11 Do all sumps and chambers have high level liquid alarms?
- 12 If yes to Q11 are these failsafe systems included in a maintenance and testing programme?
- 13 Is the Fire Water Retention Pond included in your integrity test programme?

Yes	
3 years	
Yes	
1	
1	
0	
N/A	
N/A	
N/A	
N/A	
Yes	
Yes	
N/A	

Table B1: Summary details of bund /containment structure integrity test

Bund/Containment structure ID	Type	Specify Other type	Product containment	Actual capacity	Capacity required*	Type of integrity test	Other test type	Test date	Integrity reports maintained on site?	Results of test	Integrity test failure explanation <50 words	Corrective action taken	Scheduled date for retest	Results of retest(if in current reporting year)
Waste Water Collection Tank	reinforced concrete		Waste Water		35,000 Ltr	Structural assessment		01/03/2014		Pass			01/04/2017	
Surface Water Interceptor Tank	reinforced concrete		Surface Water		46000 Ltr	Structural assessment		01/03/2014		Pass		SELECT	01/04/2017	
Surface Water Silt Tank	reinforced concrete		Surface Water		23000 Ltr	Structural assessment		01/03/2014		Pass			01/04/2017	
Bypass Surface Water	Glass Reinforced Polyester		Surface Water		27000 Ltr	Structural assessment		01/03/2014		Pass			01/04/2017	
Sewage Treatment Plant	prefabricated		Foul Sewer Water			Structural assessment		01/03/2014		Pass			01/04/2017	
Diesel Bund	prefabricated		Waste Water		66000 Ltr	Structural assessment		01/03/2014		Pass			01/04/2017	
D20 Waste Water Recycling System - Wash Bay	prefabricated		Waste Water		2000 m3/h	Structural assessment		01/03/2014		Pass			01/04/2017	

* Capacity required should comply with 25% or 110% containment rule as detailed in your licence

Has integrity testing been carried out in accordance with licence requirements and are all structures tested in line with BS8007/EPA Guidance?

[bundling and storage guidelines](#)

- 16 Are channels/transfer systems to remote containment systems tested?
- 17 Are channels/transfer systems compliant in both integrity and available volume?

Commentary	
Yes	Test completed March 2014
Yes	Test completed March 2014
Yes	

Pipeline/underground structure testing

Are you required by your licence to undertake integrity testing* on underground structures e.g. pipelines or sumps etc? If yes please fill out table 2 below listing all underground structures and pipelines on site **which failed the integrity test and all which have not been tested within the integrity test period as specified**

- 2 Please provide integrity testing frequency period
- *Please note integrity testing means water tightness testing for process and foul pipelines (as required under your licence)

Yes	
3 years	

Table B2: Summary details of pipeline/underground structures integrity test

Structure ID	Type system	Material of construction:	Does this structure have Secondary containment?	Type of secondary containment	Type integrity testing	Integrity reports maintained on site?	Results of test	Integrity test failure explanation <50 words	Corrective action taken	Scheduled date for retest	Results of retest(if in current reporting year)
Surface Water Underground Pipes	Storm	concrete	No		Hydraulic	Yes	Pass			01/04/2017	SELECT
Waste Water Underground Pipes	Foul	concrete	No		Hydraulic	Yes	Pass			01/04/2017	SELECT

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

Table 2: Downgradient Groundwater monitoring results

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
04/06/2014	GW - 1	Ammoniacal Nitrogen as NH3		Monitored twice a year	0.347		mg/l			
11/09/2014	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		ug/l			

*please note exceedance of generic assessment criteria (GAC) such as a Groundwater Threshold Value (GTV) or an Interim Guideline Value (IGV) or an upward trend in results for a substance indicates that further interpretation of monitoring results is required. In addition to completing the above table, please complete the Groundwater Monitoring Guideline Template Report at the link provided and submit separately through ALDER as a licensee return or as otherwise instructed by the EPA. [Groundwater monitoring template](#)

More information on the use of soil and groundwater standards/ generic assessment criteria (GAC) and risk assessment tools is available in the EPA published guidance (see the link in G31) [Guidance on the Management of Contaminated Land and Groundwater at EPA Licensed Sites \(EPA 2013\)](#).

**Depending on location of the site and proximity to other sensitive receptors alternative Receptor based Water Quality standards should be used in addition to the GTV e.g. if the site is close to surface water compare to Surface Water Environmental Quality Standards (SWEQS), if the site is close to a drinking water supply compare results to the Drinking Water Standards (DWS) [Surface water EQS](#) [Groundwater regulations](#) [Drinking water \(private supply\) standards](#) [Drinking water \(public supply\) standards](#) [Interim Guideline Values \(IGV\)](#)

Table 3: Soil results

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

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

Environmental Liabilities template

Lic No:

W0169-01

Year

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;
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

Environmental Management Programme/Continuous Improvement Programme 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	50	Quotations from third party consultants has been obtained.	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	Independent consultant was contracted to carry out bund and tank integrity testing	Managing Director, Environmental Manager	Increased compliance with licence conditions
Signage update	Update to existing signage within the facility (Monitoring points, Civic Amenity, Storage Bays)	50	Audit was carried out on the existing signage	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 No: W0169-01 Year 2014

- 1 Was noise monitoring a licence requirement for the AER period?
If yes please fill in table N1 noise summary below
- 2 Was noise monitoring carried out using the EPA Guidance note, including completion of the "Checklist for noise measurement report" included in the guidance note as table 6?
[Noise Guidance note NG4](#)
- 3 Does your site have a noise reduction plan
- 4 When was the noise reduction plan last updated?
- 5 Have there been changes relevant to site noise emissions (e.g. plant or operational changes) since the last noise survey?

Table N1: Noise monitoring summary

Date of monitoring	Time period	Noise location (on site)	Noise sensitive location - NSL (if applicable)	LA _{eq}	LA ₉₀	LA ₁₀	LA _{max}	Tonal or Impulsive noise* (Y/N)	If tonal /impulsive noise was identified was 5dB penalty applied?	Comments (ex. main noise sources on site, & extraneous noise ex. road traffic)	Is site 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 beepers.	Yes
14/11/2014	12.58	N1		63.8	48.6	63.7	88.7	No		Recycling Plant in operation. Traffic in the distance. Reversing beepers.	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 beepers.	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	16.27	N3		57	44.7	52	73.4	No		Noise environment dominated by passing traffic along R198.	Yes
14/11/2014	17.03	N3		59.7	41.9	56.6	75.9	No		Noise environment dominated by passing traffic along R198.	Yes

*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?

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

Resource Usage/Energy efficiency summary

Lic No:

W0169-01

Year

2014

- 1 When did the site carry out the most recent energy efficiency audit? Please list the recommendations in table 3 below
- 2 Is the site a member of any accredited programmes for reducing energy usage/water conservation such as the SEAI - Large programme linked to the right? If yes please list them in additional information
- 3 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	

Table R1 Energy usage on site

Energy Use	Previous year	Current year	Production +/- % compared to previous reporting year**	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

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

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

Table R2 Water usage on site

Water use	Water extracted		Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*	Water Emissions Volume Discharged back to environment(m ³ /yr):	Water Consumption Volume used i.e not discharged to environment e.g. released as steam m ³ /yr	Unaccounted for Water:
	Previous year m3/yr.	Current year m3/yr.					
Groundwater							
Surface water							
Public supply	2830	2875	1.59%	NA	NA	NA	NA
Recycled water							
Total							

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

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

Table R3 Waste Stream Summary

	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

Date of audit	Recommendations	Description of Measures proposed	Origin of measures	Predicted energy savings %	Implementation date	Responsibility	Completion date	Status and comments
			SELECT					
			SELECT					
			SELECT					

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

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

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 WASTE FACILITIES	PRTR facility login	dropdown list click to see options

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

Additional Information

Were any wastes accepted onto your site for recovery or disposal or treatment prior to recovery or disposal within the boundaries of your facility? (waste generated within your boundaries is to be captured through PRTR reporting)
 If yes please enter details in table 1 below

Yes	
-----	--

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

No	
----	--

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

Yes	Vanden Recycling Ltd, (company from Northern Ireland) brought in 11.340 tonnes of hard plastic
-----	--

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)

Licensed annual tonnage limit for your site (total tonnes/annum)	EWC code	Source of waste accepted	Description of waste accepted Please enter an accurate and detailed description - which applies to relevant EWC code European Waste Catalogue EWC codes	Quantity of waste accepted in current reporting year (tonnes)	Quantity of waste accepted in previous reporting year (tonnes)	Reduction/ Increase over previous year +/- %	Reason for reduction/increase from previous reporting year	Packaging Content (%)- only applies if the waste has a packaging component	Disposal/Recovery or treatment operation carried out at your site and the description of this operation	Quantity of waste remaining on site at the end of reporting year (tonnes)	Comments -
	20 03 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Mixed residual waste from household and commercial collections	19596.67	16904.1	16%		N/A	D13- Blending or mixing prior to submission to any of the operations numbered D1 to D12		Increase is due to loads coming from our Mulleadys site in Mullingar Co. Westmeath
	21 03 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Mixed Dry Recyclables from household and commercial collections	7288.7	5856.23	24%		38%	R5-Recycling/reclamation or other inorganic materials which includes soil celaning resulting in recovery of the soil and recycling of inorganic construction materials		Increase is due to loads coming from our Mulleadys site in Mullingar Co. Westmeath
	20 01 08	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Food waste from household and Commercial Collection	426.31	349.28	22%		N/A	D15-Storage pending any of the operations numbered D1 to D14		Increase is due to the demand for brown bins within the counties we collect in
	20 01 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Paper from municipal waste	1.7	9.7	-82%		100%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		Decrease is due the the change in customer base
	20 03 03	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Street Cleaning Residues	354.64	72.54	389%		0%	D15-Storage pending any of the operations numbered D1 to D14		Audit was carried out on EWC Code assignments to waste streams accepted from Longford Co Co
	20 03 07	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Bulky waste coming from skips	1277.69	1111.99	15%		0%	D13- Blending or mixing prior to submission to any of the operations numbered D1 to D12		
	15 01 01	15- WASTE PACKAGING: ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Cardboard packaging from municipal collection	486.64	647.37	-25%		100%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		Decrease is due to customer base

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

WASTE SUMMARY	Lic No: W0169-01	Year: 2014
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Table 4 Environmental monitoring-landfill only [Landfill Manual-Monitoring Standards](#)

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

-> please refer to Landfill Manual linked above for relevant Landfill Directive monitoring standards

Table 5 Capping-Landfill only

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

*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?

SELECT

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

SELECT

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

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

Table 7 Landfill Gas-Landfill only

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



[Guidance to completing the PRTR workbook](#)

AER Returns Workbook

Version 1.1.18

REFERENCE YEAR	2014
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1. FACILITY IDENTIFICATION

Parent Company Name	Mulleady's Limited
Facility Name	Mulleady's Limited (Drumlish)
PRTR Identification Number	W0169
Licence Number	W0169-01

Classes of Activity

No.	class_name
-	Refer to PRTR class activities below

Address 1	Cloonagh
Address 2	Drumlish
Address 3	
Address 4	
	Longford
Country	Ireland
Coordinates of Location	-7.783576413 53.8062771
River Basin District	IEGBNISH
NACE Code	3821
Main Economic Activity	Treatment and disposal of non-hazardous waste
AER Returns Contact Name	Ludmila Gabrisova
AER Returns Contact Email Address	Lu@mulleadays.com
AER Returns Contact Position	Environmental Manager
AER Returns Contact Telephone Number	043 3324128
AER Returns Contact Mobile Phone Number	
AER Returns Contact Fax Number	043 3324731
Production Volume	0.0
Production Volume Units	
Number of Installations	0
Number of Operating Hours in Year	0
Number of Employees	60
User Feedback/Comments	Releases to Waters - Monitoring results for 2014 for Ammoniacal 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 2002)

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 ONTO SITE

[Guidance on waste imported/accepted onto site](#)

Do you import/accept waste onto your site for on-site treatment (either recovery or disposal activities)?	Yes
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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

POLLUTANT		METHOD			Please enter all quantities in this section in KGs			
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

POLLUTANT		METHOD			Please enter all quantities in this section in KGs			
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 C : REMAINING POLLUTANT EMISSIONS (As required in your Licence)

POLLUTANT		METHOD			Please enter all quantities in this section in KGs			
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 quantities of methane flared and / or utilised	T (Total) kg/Year	M/C/E	Method Code	Designation or Description	Facility Total Capacity m3 per hour
	Total estimated methane generation (as per site model)	0.0			N/A
	Methane flared	0.0			0.0 (Total Flaring Capacity)
	Methane utilised in engine/s	0.0			0.0 (Total Utilising Capacity)
	Net methane emission (as reported in Section A above)	0.0			N/A

4.2 RELEASES TO WATERS

[Link to previous years emissions data](#)

[PRTR# : W0169 | Facility Name : Mulleady's Limited (Drumlish) | Filename : W0169_2014.xls | Return Year : 2014]

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SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

Data on ambient monitoring of storm/surface water or groundwater, conducted as part of your licence requirements, should NOT be submitted under AER / PRTR Reporting as this only concerns Releases from your facility

POLLUTANT		METHOD USED			QUANTITY			
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
				Calculated from test results for Ammoniacal Nitrogen (4 test results for 2014 reporting period), annual rainfall data for Mullingar station and facility operating area.	0.0	0.0	0.0	0.0
12	Total nitrogen	C	OTH		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

POLLUTANT		METHOD USED			QUANTITY			
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)

POLLUTANT		METHOD USED			QUANTITY			
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					0.0	0.0	0.0	0.0

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

4.3 RELEASES TO WASTEWATER OR SEWER

[Link to previous years emissions data](#)

| PRTR# : W0169 | Facility Name : Mulleady's Limited (Drumlish) | Filename : W0169_2014.xls | Return 25/03/2015 15:59

SECTION A : PRTR POLLUTANTS

OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATMENT OR SEWER					Please enter all quantities in this section in KGs			
POLLUTANT		METHOD			QUANTITY			
No. Annex II	Name	M/C/E	Method Used		Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
			Method Code	Designation or Description				
					0.0	0.0	0.0	0.0
13	Total phosphorus	C	OTH	Calculated from test results for Ortho Phosphates as PO4 (4 set of results for 2014 reporting period) and from volume of waste water collected in 2014.	1.0515	1.0515	0.0	0.0
12	Total nitrogen	C	OTH	Calculated from test results for Ammoniacal Nitrogen (4 sets of results for 2014 reporting period) and from volume of waste water collected in 2014.	5.639	5.639	0.0	0.0

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

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

OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATMENT OR SEWER					Please enter all quantities in this section in KGs			
POLLUTANT		METHOD			QUANTITY			
Pollutant No.	Name	M/C/E	Method Used		Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
			Method Code	Designation or Description				
					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

4.4 RELEASES TO LAND

[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 : PRTR POLLUTANTS

RELEASES TO LAND			Please enter all quantities in this section in KGs					
POLLUTANT		METHOD		QUANTITY				
No. Annex II	Name	M/C/E	Method Code	Method Used	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) 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 POLLUTANT EMISSIONS (as required in your Licence)

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

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE

| PRTR# : W0169 | Facility Name : Mulleady's Limited (Drumlish) | Filename : W0169_2014.xls | Return Year : 2014 |

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Please enter all quantities on this sheet in Tonnes

0

Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Haz Waste : Name and Licence/Permit No of Next Destination Facility	Non	Haz Waste : Address of Next Destination Facility	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)
						Haz Waste : Name and Licence/Permit No of Recover/Disposer	Non Haz Waste: Address of Recover/Disposer						
						M/C/E	Method Used						
Within 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		Killinagh Upper,Carbury,..Co. Kildare,Ireland		
Within 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	Drehid Waste Management Facility Bord Na Mona,W201-02		Killinagh Upper,Carbury,..Co. Kildare,Ireland		
To Other Countries	15 01 01	No	341.48	paper and cardboard packaging	R5	M	Weighed	Abroad	Peute Papier Recycling,IRE/G006/12		LA,Dortrecht,A528041436,N etherlands		
Within the Country	15 01 01	No	757.74	paper and cardboard packaging	R5	M	Weighed	Offsite in Ireland	Irish Packaging and Recycling,WPR021/2		Beauparc Business Park,Navan,..Co. Meath,Ireland		
To Other Countries	15 01 01	No	374.82	paper and cardboard packaging	R5	M	Weighed	Abroad	Agnail Ltd,IRE/AG/117/12		Rosemount Business Park,Ballycoolin,Dublin 11,Ireland		
Within the Country	15 01 04	No	257.16	metallic packaging	R4	M	Weighed	Offsite in Ireland	Wilton Waste Recycling,Waste Permit:06/30		Ballyjamesduff,..Co. Cavan,Ireland		
Within the Country	15 01 04	No	306.96	metallic packaging	R4	M	Weighed	Offsite in Ireland	Wilton Waste Recycling,Waste Permit:06/30		Ballyjamesduff,..Co. Cavan,Ireland		
To Other Countries	15 01 07	No	1247.84	glass packaging	R5	M	Weighed	Abroad	Glassdon.LN/08/103		Antrim,United Kingdom		
Within the Country	16 01 20	No	17.26	glass	R5	M	Weighed	Offsite in Ireland	Gannon Eco Limited,WFP-WM-2009-0007-01		Quarriers,Ballinagore,West Meath,..Ireland		
Within the Country	16 06 01	Yes	1.68	lead batteries	R4	M	Weighed	Offsite in Ireland	Rilta Environmental Ltd,EPA Licence: 192-3		Greenogue Business Park,Rathcoole,Dublin,Co. Dublin,Ireland	Rilta Environmental,Block 402,Greenogue Business Park,Rathcoole,Ireland	Rilta Environmental,Block 402,Greenogue Business Park,Rathcoole,Ireland
Within 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		Cappincur Industrial Estate,Daingean Road,Tullamore,Co. Offally,Ireland		
Within the Country	17 04 01	No	0.3	copper, bronze, brass other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	R4	M	Weighed	Offsite in Ireland	Wilton Waste Recycling,Waste Permit:06/30		Ballyjamesduff,..Co. Cavan,Ireland		
Within the Country	19 12 12	No	131.66	11	R3	M	Weighed	Offsite in Ireland	Padraig Thornton Waste,Disposal Ltd WCP-DC-09-1190		T/A Thornton Recycling Unit S3B Henry Road ,Park West Business Park,Dublin 12 ,Co/Dublin,Ireland		
Within 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 11	R1	M	Weighed	Offsite in Ireland	Indaver Ireland,W0167-02		Carranstown,Duleek,..CoMe ath,Ireland		
Within the Country	19 12 12	No	192.1	11	R3	M	Weighed	Offsite in Ireland	Greenstar Millenium Park W183 - 1,Millenium Business Park		Grange ,Ballycoolin,Dublin ,Ireland		
To Other Countries	20 01 01	No	1191.94	paper and cardboard	R5	M	Weighed	Abroad	Agnail Ltd,IRE/AG/117/12		Unit 9 Rossfield,50 Rosemount Business Park,Ballycoolin,Dublin 11,Ireland		

Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Haz Waste : Name and Licence/Permit No of Next Destination Facility	Non	Haz Waste : Address of Next Destination Facility	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)
						M/C/E	Method Used		Haz Waste : Name and Licence/Permit No of Recover/Disposer	Non Haz Waste : Address of Recover/Disposer			
To Other Countries	20 01 01	No	740.06	paper and cardboard	R5	M	Weighed	Abroad	Peute Papier Recycling,IRE/G006/12		Baanhoekweg 4,3313 LA,Dortrecht,A528041436,N etherlands		
To Other Countries	20 01 01	No	1060.98	paper and cardboard	R5	M	Weighed	Abroad	WRC Recycling Total Waste Solution,WRC Recycling Floor		St. Johnstone ...Renfrewshire,...United Kingdom		
Within the Country	20 01 08	No	376.3	biodegradable kitchen and canteen waste	R3	M	Weighed	Offsite in Ireland	Michael Dolan,WFP--WM-2010-0005-01		Johnstown,Slanemore,...Mullingar,Ireland		
Within the Country	20 01 11	No	8.76	textiles	R5	M	Weighed	Offsite in Ireland	Textile Recycling Ltd,WPR-014		Glen Abbey Complex,Belgrad Road,Tallagh,Dublin 24,Ireland		
Within the Country	20 01 21	Yes	1.32	fluorescent tubes and other mercury-containing waste	R5	M	Weighed	Offsite in Ireland	KMK Metals Recycling Ltd,W0113-03		Cappincur Industrial Estate,Daingean Road,Tullamore,Co. Offaly,Ireland	KMK Metals Recycling Ltd,W0113-03,Cappincur Industrial Estate,Daingean Road,Tullamore,Co. Offaly,Ireland	Cappincur Industrial Estate,Daingean Road,Tullamore,Co. Offaly,Ireland
Within the Country	20 01 36	No	116.9	discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35	R4	M	Weighed	Offsite in Ireland	KMK Metals Recycling Ltd,EPA Waste Licence: W0113-03		Office 2 Roxborough,...,Co. Roscommon,Ireland		
Within the Country	20 01 38	No	194.08	wood other than that mentioned in 20 01 37	R3	M	Weighed	Offsite in Ireland	OCR Waste Management Ltd,WFP-RN-10-0001-01		Sonna ,Mullingar,Westmeath,...,Ireland		
Within the Country	20 01 38	No	263.72	wood other than that mentioned in 20 01 37	R3	M	Weighed	Offsite in Ireland	Conroys Recycling Company,WFP-WH-2009-0002-01		47 Swaffham Road,Burwell,Cambridge,CB250AN,United Kingdom		
To Other Countries	20 01 39	No	100.4	plastics	R5	M	Weighed	Abroad	Boost Recycling Ltd,IRE/G082/12		Ballylynch ,Carrick On Suir,Tipperary ...Ireland		
Within the Country	20 01 39	No	11.02	plastics	R5	M	Weighed	Offsite in Ireland	WRC Recycling Total Waste Solution,WRC Recycling Floor		St. Johnstone ...Renfrewshire,...United Kingdom		
To Other Countries	20 01 39	No	437.74	plastics	R5	M	Weighed	Abroad	Asia Global Trade Ltd,IRE/G045/15		157 Highlever Road ...London,W10 6PH,United Kingdom		
Within the Country	20 01 40	No	255.44	metals	R4	M	Weighed	Offsite in Ireland	Wilton Waste Recycling,Waste Permit:06/30		Ballyjamesduff,...,Co. Cavan,Ireland		
Within the Country	20 03 01	No	1931.64	mixed municipal waste other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	D5	M	Weighed	Offsite in Ireland	Drehid Waste Management Facility Bord Na Mona,W201-02		Killinagh Upper,Carbury,...,Co. Kildare,Ireland		
Within the Country	19 12 12	No	5269.78	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	R1	M	Weighed	Offsite in Ireland	Indaver Ireland,W0167-02		Carranstown,Duleek,...,CoMeath,Ireland		
Within the Country	19 12 12	No	112.1	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	R3	M	Weighed	Offsite in Ireland	Enrich Environmental Ltd,08/0004/01		Marymount,Castleknock Rd,Castleknock,Dublin 15,Ireland		
Within the Country	19 12 12	No	3908.2	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	D5	M	Weighed	Offsite in Ireland	Drehid Waste Management Facility Bord Na Mona,W201-02		Killinagh Upper,Carbury,...,Co. Kildare,Ireland		

Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Haz Waste : Name and Licence/Permit No of Next Destination Facility	Non	Haz Waste : Address of Next Destination Facility	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)
						M/C/E	Method Used		Haz Waste: Name and Licence/Permit No of Recover/Disposer	Non Haz Waste: Address of Recover/Disposer			
Within the Country	19 12 12	No	8258.59	11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	R3	M	Weighed	Offsite in Ireland	Drehid Waste Management Facility Bord Na Mona,W201-02		Killinagh Upper,Carbury,..Co. Kildare,Ireland		
Within the Country	19 12 12	No	663.94	11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	R1	M	Weighed	Offsite in Ireland	Panda,W0140-03		Beauparc Business Park,..Navan,Co.Meath,Ireland		
Within the Country	19 12 12	No	18.52	11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	R1	M	Weighed	Offsite in Ireland	Oxigen Environmental,W0152-03 Advanced Environmental Solutions (Ireland) Ltd,W0131-02		Merrywell Industrial Estate,Ballymount Road Lower,Dublin 22,..Ireland Proudstown Road,..Navan,Co. Meath,Ireland		
Within the Country	20 03 07	No	194.14	bulky waste	R5	M	Weighed	Offsite in Ireland	Advanced Environmental Solutions (Ireland) Ltd,W0222-01		Coldwinters,Blakescross,Lusk,Co.Dublin,Ireland Unit 11 Alvaston Business Park,Middlewoch Road,Nantwich Cheshire,CW56PF,United Kingdom		
To Other Countries	20 01 01	No	377.52	paper and cardboard	R3	M	Weighed	Abroad	Recycling Uk Limited,IRE/G069/15		The Rubicon Centre,CIT Campus,Bishopstown,Cork,Ireland		
To Other Countries	15 01 02	No	89.72	plastic packaging	R3	M	Weighed	Abroad	Marwin Environmetal Trading,IRE/G027/15		The Rubicon Centre,CIT Campus,Bishopstown,Cork,Ireland		
To Other Countries	20 01 39	No	24.02	plastics	R3	M	Weighed	Abroad	Marwin Environmetal Trading,IRE/G027/15		The Kipper House,Scilly,Kinsale,Co. Cork,Ireland		
To Other Countries	20 01 39	No	101.42	plastics	R3	M	Weighed	Abroad	Materia Environment Ltd,IRE/AG161/15		11 Porthill Road,Mountnorris,Co. Armagh,BT602TY,United Kingdom		
To Other Countries	20 01 39	No	38.04	plastics	R3	M	Weighed	Abroad	Greenway Ireland Ltd,IRE/AG035/15		Unit 11A,Blaris Industrial Estate,Altona Road Lisburn,BT275QB,United Kingdom		
To Other Countries	20 01 39	No	406.02	plastics	R3	M	Weighed	Abroad	Vanden Recycling,IRE/G274/16		4F Fingal Business Park,Ballbriggan,Co. Dublin,..Ireland		
Within the Country	20 01 39	No	21.72	plastics	R1	M	Weighed	Offsite in Ireland	Pac On Waste & Recycling Ltd,WFP-FG-10/0004-01		17 Slack Road,..Manchester,M98AW, United Kingdom		
To Other Countries	15 01 04	No	21.96	metallic packaging	R4	M	Weighed	Abroad	Novelis,BL6802IU		Randor Park Industrial Estate,Congleton,Cheshire, CW124XE,United Kingdom		
To Other Countries	15 01 04	No	25.34	metallic packaging	R4	M	Weighed	Abroad	Tandom Metallurgical Group Ltd,IRE/G237/15		Wilton Waste,wfp-cn-10-0005-01,Kiffagh,Crosserlough,Ballyjamesduff,Co. Cavan,Ireland		
Within the Country	16 06 01	Yes	17.58	lead batteries	R4	M	Weighed	Offsite in Ireland	Wilton Waste Recycling,Waste Permit:06/30		Ballyjamesduff,..,Co. Cavan,Ireland	Kiffagh,Crosserlough,Ballyjamesduff,Co. Cavan,Ireland	

Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Haz Waste : Name and Licence/Permit No of Next Destination Facility	Haz Waste : Address of Next Destination Facility	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)
						M/C/E	Method Used		Haz Waste : Name and Licence/Permit No of Recover/Disposer	Non Haz Waste : Address of Recover/Disposer		
Within the Country	13 02 05	Yes	2.68	mineral-based non-chlorinated engine, gear and lubricating oils	R9	M	Weighed	Offsite in Ireland	Rilta Environmental Ltd,EPA Licence: 192-3	Greenogue Business Park,Rathcoole,Dublin,Co. Dublin,Ireland Brook House,Hambleton Road,Egleton,LE15 8AE,United Kingdom	Rilta Environmental,192-03,Rilta Environmental,Block 402,Greenogue Business Park,Rathcoole,Ireland	Rilta Environmental,Block 402,Greenogue Business Park,Rathcoole,Ireland
To Other Countries	20 01 39	No	51.54	plastics	R3	M	Weighed	Abroad	J&A Young (Leicester) Ltd,IRE/G058/15			

* 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](#)