

Facility Information Summary

AER Reporting Year	2015
Licence Register Number	W0169-01
Name of site	Mulleady's 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 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 33,700,540 tonnes of material in reporting period 2015 of which 7% was sent to landfill, 37% sent for incineration, 56% sent for recycling . By continuous introduction of the brown bin we diverted 424 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.

	31/3/2016
Signature Group/Facility manager <small>(or nominated, suitably qualified and experienced deputy)</small>	Date

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Year

2015

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

Yes	
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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 year if applicable
No 1 D1	Dust	07/05/2015 - 06/06/2015	No	350mg/m2/day	104	mg/m2/day	yes	Dust is collected using a jam jar container, Bergerhoff method. Determination of Dust	0.03796	
No 1 D3	Dust	07/05/2015 - 06/06/2015	No	350mg/m2/day	84.9	mg/m2/day	yes	Dust is collected using a jam jar container, Bergerhoff method. Determination of Dust	0.0309885	
No 1 D4	Dust	07/05/2015 - 06/06/2015	No	350mg/m2/day	97	mg/m2/day	yes	Dust is collected using a jam jar container, Bergerhoff method. Determination of Dust	0.035405	

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No.2 D1	Dust	28/07/2015 - 27/08/2015	No	350mg/m2/day	51.7	mg/m2/day	yes	Dust is collected using a jam jar container, Bergerhoff method. Determination of Dust	0.0188705
No.2 D3	Dust	28/07/2015 - 27/08/2015	No	350mg/m2/day	6.67	mg/m2/day	yes	Dust is collected using a jam jar container, Bergerhoff method. Determination of Dust	0.00243455
No.2 D4	Dust	28/07/2015 - 27/08/2015	No	350mg/m2/day	10.2	mg/m2/day	yes	Dust is collected using a jam jar container, Bergerhoff method. Determination of Dust	0.003723
No. 3 D1	Dust		No	350mg/m2/day	57	mg/m2/day	yes	Dust is collected using a jam jar container, Bergerhoff method. Determination of Dust	0.020805
No. 3 D3	Dust		No	350mg/m2/day	9.92	mg/m2/day	yes	Dust is collected using a jam jar container, Bergerhoff method. Determination of Dust	0.0036208
No. 3 D4	Dust		No	350mg/m2/day	0.0167	mg/m2/day	yes	Dust is collected using a jam jar container, Bergerhoff method. Determination of Dust	6.0955E-06

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

4	Does your site carry out continuous air emissions monitoring?	No	
	If yes please review your continuous monitoring data and report the required fields below in Table A2 and compare it to its relevant Emission Limit Value (ELV)		
5	Did continuous monitoring equipment experience downtime? If yes please record downtime in table A2 below	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	ELV in licence or any revision thereof	Averaging Period	Compliance Criteria	Units of measurement	Annual Emission	Annual maximum	Monitoring Equipment downtime (hours)	Number of ELV exceedences in current reporting year	Comments
	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

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	Total Emission Limit Value (ELV) in licence or any revision thereof	Compliance
					SELECT
					SELECT

Table A5: Solvent Mass Balance summary

Solvent	(I) Inputs (kg)		(O) Outputs (kg)					
	(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

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** licensed emissions you only need to complete table W1 and or W2 for storm water analysis and visual inspections

Yes	In 2015 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 point SD-1. June 2nd 2011 Muleadys requested review of monitoring requirement of off-site surface water drain. The Agency reviewed the past 4 years monitoring data for SD-1, SW-1 and SW-2 and agreed to propose a reduction in monitoring locations under Condition 7.2 of the licence. Muleadys 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.
Yes	

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 only any evidence of contamination noted during visual inspections

Table W1 Storm water monitoring

Location reference	Location relative to site activities	PRTR Parameter	Licensed 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)

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
Yes	Monitoring was carried out for Monitoring Point SD-1 in Q2. The result shows the exceedance of <u>Surface Water Warning Limit</u> value (0.5mg/l) for Ammonia, however the result is below <u>the surface water action level</u> (1mg/l). Trigger Limit for Ammonia is 1 mg/l, monitoring result was 0.841 mg/l. Investigation was carried out on surface water lines within the Facility area. No defects were found, yet additional powerwashing of the lines was carried out to eliminate potential exceedance of the Trigger Level Limit in the future.

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

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

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 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	20/03/2015	SELECT	≤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	0.00073	
SD-1	Water	Suspended Solids	discrete	07/05/2015	SELECT	≤25mg/l	All values < ELV	4	mg/L	yes	Alcontrol Laboratories Method: TM022, Determination of total suspended solids in waters	B.S. (British Standard)	BS EN 872	0.00146	
SD-1	Water	Suspended Solids	discrete	28/07/2015	SELECT	≤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	19/11/2015	SELECT	≤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	0.00073	
SD-1	Water	BOD	discrete	20/03/2015	SELECT	≤5mg/O ₂	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	07/05/2015	SELECT	≤5mg/O ₂	All values < ELV	2.32	mg/L	yes	Alcontrol Laboratories TM045, Determination of BOD5 (ATU) Filtered by Oxygen Meter on liquids	UK SCA "Blue Book" series	Blue Book 130	0.0008468	
SD-1	Water	BOD	discrete	28/07/2015	SELECT	≤5mg/O ₂	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	19/11/2015	SELECT	≤5mg/O ₂	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	Ammoniacal Nitrogen	discrete	20/03/2015	SELECT	0.02MG/l N	All values < ELV	0.814	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	0.00029711	
SD-1	Water	Ammoniacal Nitrogen	discrete	07/05/2015	SELECT	0.02MG/l N	All values < ELV	0.543	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	0.000198195	
SD-1	Water	Ammoniacal Nitrogen	discrete	28/07/2015	SELECT	0.02MG/l N	All values < ELV	0.194	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	0.00007081	

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SD-1	Water	Ammoniacal Nitrogen	discrete	19/11/2015	SELECT	0.02MG/l N	All values < ELV	0.427	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	0.000155855	
SD-1	Water	COD	discrete	20/03/2015	SELECT		All values < ELV	11.9	mg/L	yes	Alcontrol Laboratories, TM 107, Determination of Chemical Oxygen Demand using COD Dr Lange Kit	ISO	ISO 6060-1989	0.0043435	
SD-1	Water	COD	discrete	07/05/2015	SELECT		All values < ELV	23.6	mg/L	yes	Alcontrol Laboratories, TM 107, Determination of Chemical Oxygen Demand using COD Dr Lange Kit	ISO	ISO 6060-1989	0.008614	
SD-1	Water	COD	discrete	28/07/2015	SELECT		All values < ELV	<7	mg/L	yes	Alcontrol Laboratories, TM 107, Determination of Chemical Oxygen Demand using COD Dr Lange Kit	ISO	ISO 6060-1989	#VALUE!	
SD-1	Water	COD	discrete	19/11/2015	SELECT		All values < ELV	12.2	mg/L	yes	Alcontrol Laboratories, TM 107, Determination of Chemical Oxygen Demand using COD Dr Lange Kit	ISO	ISO 6060-1989	0.004453	
SD-1	Water	Conductivity	discrete	20/03/2015	SELECT	1000µS/cm	All values < ELV	0.403	mS/cm	yes	Alcontrol Laboratories, TM120, Determination of Electrical Conductivity using a Conductivity Meter	B.S. (British Standard)	BS 2690: Part 9:1970	0.000147095	
SD-1	Water	Conductivity	discrete	07/05/2015	SELECT	1000µS/cm	All values < ELV	0.493	mS/cm	yes	Alcontrol Laboratories, TM120, Determination of Electrical Conductivity using a Conductivity Meter	B.S. (British Standard)	BS 2690: Part 9:1970	0.000179945	
SD-1	Water	Conductivity	discrete	28/07/2015	SELECT	1000µS/cm	All values < ELV	0.335	mS/cm	yes	Alcontrol Laboratories, TM120, Determination of Electrical Conductivity using a Conductivity Meter	B.S. (British Standard)	BS 2690: Part 9:1970	0.000122275	
SD-1	Water	Conductivity	discrete	19/11/2015	SELECT	1000µS/cm	All values < ELV	0.368	mS/cm	yes	Alcontrol Laboratories, TM120, Determination of Electrical Conductivity using a Conductivity Meter	B.S. (British Standard)	BS 2690: Part 9:1970	0.00013432	
SD-1	Water	Mineral oils	discrete	20/03/2015	SELECT	5mg/l	All values < ELV	<10	µA	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	07/05/2015	SELECT	5mg/l	All values < ELV	65.1	µA	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria		0.0237615	
SD-1	Water	Mineral oils	discrete	28/07/2015	SELECT	5mg/l	All values < ELV	<1	µA	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	19/11/2015	SELECT	5mg/l	All values < ELV	<10	µA	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria		#VALUE!	
SD-1	Water	pH	discrete	20/03/2015	SELECT	6.0 - 9.0	All values < ELV	7.42	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		0.0027083	
SD-1	Water	pH	discrete	07/05/2015	SELECT	6.0 - 9.0	All values < ELV	7.4	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		0.002701	
SD-1	Water	pH	discrete	28/07/2015	SELECT	6.0 - 9.0	All values < ELV	7.42	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		0.0027083	

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SD-1	Water	pH	discrete	19/11/2015	SELECT	6.0 - 9.0	All values < ELV	7.58	pH units	yes	Alcontrol Laboratories, TM256, Determination of pH in Waters and Leachate using the GpH 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		0.0027667	
WWT-1	Wastewater/Sewer	Suspended Solids	discrete	19/03/2015		400mg/l	All values < ELV	71	mg/L	yes	Alcontrol Laboratories Method: TM022, Determination of total suspended solids in waters	B.S. (British Standard)	BS EN 872	0.025915	
WWT-1	Wastewater/Sewer	Suspended Solids	discrete	07/05/2015		400mg/l	All values < ELV	84	mg/L	yes	Alcontrol Laboratories Method: TM022, Determination of total suspended solids in waters	B.S. (British Standard)	BS EN 872	0.03066	
WWT-1	Wastewater/Sewer	Suspended Solids	discrete	28/07/2015		400mg/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	
WWT-1	Wastewater/Sewer	Suspended Solids	discrete	19/11/2015		400mg/l	All values < ELV	31	mg/L	yes	Alcontrol Laboratories Method: TM022, Determination of total suspended solids in waters	B.S. (British Standard)	BS EN 872	0.011315	
WWT-1	Wastewater/Sewer	BOD	discrete	19/03/2015		400mg/l	All values < ELV	173	mg/L	yes	Alcontrol Laboratories TM045, Determination of BOD5 (ATU) Filtered by Oxygen Meter on liquids	UK SCA "Blue Book" series Blue Book 130		0.063145	
WWT-1	Wastewater/Sewer	BOD	discrete	07/05/2015		400mg/l	All values < ELV	118	mg/L	yes	Alcontrol Laboratories TM045, Determination of BOD5 (ATU) Filtered by Oxygen Meter on liquids	UK SCA "Blue Book" series Blue Book 130		0.04307	
WWT-1	Wastewater/Sewer	BOD	discrete	28/07/2015		400mg/l	All values < ELV	3.43	mg/L	yes	Alcontrol Laboratories TM045, Determination of BOD5 (ATU) Filtered by Oxygen Meter on liquids	UK SCA "Blue Book" series Blue Book 130		0.00125195	
WWT-1	Wastewater/Sewer	BOD	discrete	19/11/2015		400mg/l	All values < ELV	57.5	mg/L	yes	Alcontrol Laboratories TM045, Determination of BOD5 (ATU) Filtered by Oxygen Meter on liquids	UK SCA "Blue Book" series Blue Book 130		0.0209875	
WWT-1	Wastewater/Sewer	Ammoniacal Nitrogen (as N)	discrete	19/03/2015		100mg/l	All values < ELV	14.6	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: Part 2.11:1984	0.005329	

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WWT -1	Wastewater/Sewer	Ammoniacal Nitrogen (as N)	discrete	07/05/2015		100mg/l	All values < ELV	9.76	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	0.0035624	
WWT -1	Wastewater/Sewer	Ammoniacal Nitrogen (as N)	discrete	28/07/2015		100mg/l	All values < ELV	2.78	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	0.0010147	
WWT -1	Wastewater/Sewer	Ammoniacal Nitrogen (as N)	discrete	19/11/2015		100mg/l	All values < ELV	5.63	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	0.00205495	
WWT -1	Wastewater/Sewer	COD	discrete	19/03/2015		1600mg/l	All values < ELV	160	mg/L	yes	Alcontrol Laboratories, TM 107, Determination of Chemical Oxygen Demand using COD Dr Lange Kit	ISO	ISO 6060-1989	0.0584	
WWT -1	Wastewater/Sewer	COD	discrete	07/05/2015		1600mg/l	All values < ELV	159	mg/L	yes	Alcontrol Laboratories, TM 107, Determination of Chemical Oxygen Demand using COD Dr Lange Kit	ISO	ISO 6060-1989	0.058035	
WWT -1	Wastewater/Sewer	COD	discrete	28/07/2015		1600mg/l	All values < ELV	26.3	mg/L	yes	Alcontrol Laboratories, TM 107, Determination of Chemical Oxygen Demand using COD Dr Lange Kit	ISO	ISO 6060-1989	0.0095995	
WWT -1	Wastewater/Sewer	COD	discrete	19/11/2015		1600mg/l	All values < ELV	94.8	mg/L	yes	Alcontrol Laboratories, TM 107, Determination of Chemical Oxygen Demand using COD Dr Lange Kit	ISO	ISO 6060-1989	0.034602	
WWT -1	Wastewater/Sewer	Ortho-phosphate (as PO4)	discrete	19/03/2015		10mg/l	All values < ELV	2.61	mg/L	yes	Alcontrol Laboratories, TM184, The Determination of Anions in Aqueous Matrices using the Kone Spectrophotometric Analysers	EPA	Methods 325.1 & 325.2	0.00095265	
WWT -1	Wastewater/Sewer	Ortho-phosphate (as PO4)	discrete	07/05/2015		10mg/l	All values < ELV	2.46	mg/L	yes	Alcontrol Laboratories, TM184, The Determination of Anions in Aqueous Matrices using the Kone Spectrophotometric Analysers	EPA	Methods 325.1 & 325.2	0.0008979	
WWT -1	Wastewater/Sewer	Ortho-phosphate (as PO4)	discrete	28/07/2015		10mg/l	All values < ELV	0.317	mg/L	yes	Alcontrol Laboratories, TM184, The Determination of Anions in Aqueous Matrices using the Kone Spectrophotometric Analysers	EPA	Methods 325.1 & 325.2	0.000115705	

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WWT -1	Wastewater/Sewer	Ortho-phosphate (as PO4)	discrete	19/11/2015		10mg/l	All values < ELV	0.422	mg/L	yes	Alcontrol Laboratories, TM184, The Determination of Anions in Aqueous Matrices using the Kone Spectrophotometric Analysers	EPA	Methods 325.1 & 325.2	0.00015403	
WWT -1	Wastewater/Sewer	Sulphate	discrete	19/03/2015		1000mg/l	All values < ELV	0.00089	mg/L	yes	Alcontrol Laboratories, TM184, The Determination of Anions in Aqueous Matrices using the Kone Spectrophotometric Analysers	EPA	Methods 325.1 & 325.2	3.2485E-07	
WWT -1	Wastewater/Sewer	Sulphate	discrete	07/05/2015		1000mg/l	All values < ELV	0.00092	mg/L	yes	Alcontrol Laboratories, TM184, The Determination of Anions in Aqueous Matrices using the Kone Spectrophotometric Analysers	EPA	Methods 325.1 & 325.2	3.358E-07	
WWT -1	Wastewater/Sewer	Sulphate	discrete	28/07/2015		1000mg/l	All values < ELV	52.6	mg/L	yes	Alcontrol Laboratories, TM184, The Determination of Anions in Aqueous Matrices using the Kone Spectrophotometric Analysers	EPA	Methods 325.1 & 325.2	0.019199	
WWT -1	Wastewater/Sewer	Sulphate	discrete	19/11/2015		1000mg/l	All values < ELV	52.1	mg/L	yes	Alcontrol Laboratories, TM184, The Determination of Anions in Aqueous Matrices using the Kone Spectrophotometric Analysers	EPA	Methods 325.1 & 325.2	0.0190165	
WWT -1	Wastewater/Sewer	TPH/Oil & Greases	discrete	19/03/2015		100mg/l	All values < ELV	2.96	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		0.0010804	
WWT -1	Wastewater/Sewer	TPH/Oil & Greases	discrete	07/05/2015		100mg/l	All values < ELV	4.49	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		0.00163885	
WWT -1	Wastewater/Sewer	TPH/Oil & Greases	discrete	28/07/2015		100mg/l	All values < ELV	1.86	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		0.0006789	
WWT -1	Wastewater/Sewer	TPH/Oil & Greases	discrete	19/11/2015		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/Sewer	pH	discrete	19/03/2015		6.0 - 9.0	All values < ELV	6.85	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		0.00250025	

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER) Lic No: WD169-01 Year: 2015

WWT -1	Wastewater/Sewer	pH	discrete	07/05/2015		6.0 - 9.0	All values < ELV	7.06	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		0.0025769	
WWT -1	Wastewater/Sewer	pH	discrete	28/07/2015		6.0 - 9.0	All values < ELV	7.36	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		0.0026864	
WWT -1	Wastewater/Sewer	pH	discrete	19/11/2015		6.0 - 9.0	All values < ELV	7.07	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		0.00258055	
SG - 1	Water	Suspended Solids	discrete	19/11/2015		30mg/l	All values < ELV	8.5	mg/L	yes	Alcontrol Laboratories TM022, Determination of total suspended solids in water	UK SCA "Blue Book" series	Blue Book 130	0.0031025	
SG - 1	Water	BOD	discrete	19/11/2015		20mg/l	All values < ELV	2.83	mg/L	yes	Alcontrol Laboratories TM045, Determination of BOD5 (ATU) Filtered by Oxygen Meter on liquids in water	UK SCA "Blue Book" series	Blue Book 130	0.00103295	
SG - 1	Water	Ammoniacal Nitrogen (as N)	discrete	19/11/2015		5mg/l	All values < ELV	0.825	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	0.000301125	
SG - 1	Water	Nitrates	discrete	19/11/2015			All values < ELV	4.54	mg/L	yes	Alcontrol Laboratories, TM184, The Determination of Anions in Aqueous Matrices using the Kone Spectrophotometric Analysers	EPA	Methods 325.1 & 325.2	0.0016571	
SG - 1	Water	Ph	discrete	19/11/2015		6.0 - 9.0	All values < ELV	7.37	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		0.00269005	

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?
- Please list any sump integrity failures in table B1**
- 10 Do all sumps and chambers have high level liquid alarms?
 - 11 If yes to Q11 are these failsafe systems included in a maintenance and testing programme?
 - 12 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	

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	SELECT	Pass		SELECT	01/04/2017	
Surface Water Interceptor Tank	reinforced concrete		Surface Water		46000 Ltr	Structural assessment		01/03/2014	SELECT	Pass			01/04/2017	
Surface Water Silt Tank	reinforced concrete		Surface Water		23000 Ltr	Structural assessment		01/03/2014	SELECT	Pass			01/04/2017	
Bypass Surface Water	Glass Reinforced Polyester		Surface Water		27000 Ltr	Structural assessment		01/03/2014	SELECT	Pass			01/04/2017	
Sewage Treatment Plant	prefabricated		Foul Sewer Water			Structural assessment		01/03/2014	SELECT	Pass			01/04/2017	
Diesel Bund	prefabricated		Waste Water		66000 Ltr	Structural assessment		01/03/2014	SELECT	Pass			01/04/2017	
D20 Waste Water Recycling System - Wash Bay	prefabricated		Waste Water		2000 m3/h	Structural assessment		01/03/2014	SELECT	Pass		SELECT	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 [bunding and storage guidelines](#)
- 15 Guidance?
 - 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 2015
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 1 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	

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	SELECT	Hydraulic	Yes	Pass			01/04/2017	
Waste Water Underground Pipes	Foul	concrete	No		Hydraulic	Yes	Pass			01/04/2017	

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

			Comments
1	Are you required to carry out groundwater monitoring as part of your licence requirements?	yes	Please provide an interpretation of groundwater monitoring data in the interpretation box below or if you require additional space please include a groundwater/contaminated land monitoring results interpretation as an additional section in this AER
2	Are you required to carry out soil monitoring as part of your licence requirements?	no	
3	Do you extract groundwater for use on site? If yes please specify use in comment section	no	
4	Do monitoring results show that groundwater generic assessment criteria 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	
5	Is the contamination related to operations at the facility (either current and/or historic)	N/A	
6	Have actions been taken to address contamination issues? If yes please summarise remediation strategies proposed/undertaken for the site	N/A	
7	Please specify the proposed time frame for the remediation strategy	N/A	
8	Is there a licence condition to carry out/update ELRA for the site?	yes	
9	Has any type of risk assessment 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

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

.* where average indicates arithmetic mean

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

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
07/05/2015	GW - 1	Ammoniacal Nitrogen as NH3		Monitored twice a year	0.285		mg/l			
28/07/2015	GW - 1	Ammoniacal Nitrogen as NH3		Monitored twice a year	0.0247		mg/l			
07/05/2015	GW - 1	EPH Range >C10 - C40 (aq)		Monitored twice a year	<46		ug/l			SELECT
28/07/2015	GW - 1	EPH Range >C10 - C40 (aq)		Monitored twice a year	<46		ug/l			SELECT

Groundwater/Soil monitoring template

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*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)

Groundwater	Drinking water		
Surface water EQS	regulations	(private supply)	Drinking water (public supply) standards
	GTV's	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

[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	€87,693.00
4	Financial Provision for ELRA status	Submitted and not agreed by EPA;
5	Financial Provision for ELRA - amount of cover	€87,693.00
6	Financial Provision for ELRA - type	bond
7	Financial provision for ELRA expiry date	N/A
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	bond
13	Financial provision for Closure expiry date	N/A

Environmental Management Programme/Continuous Improvement Programme template

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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 28/02/2004
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 withing 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

Environmental Management Programme/Continuous Improvement Programme template

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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
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Noise monitoring summary report

Lic No: W0169-01

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1 Was noise monitoring a licence requirement for the AER period?

Yes

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](#)

Yes

3 Does your site have a noise reduction plan

No

4 When was the noise reduction plan last updated?

Enter date

5 Have there been changes relevant to site noise emissions (e.g. plant or operational changes) since the last noise survey?

No

Table N1: Noise monitoring summary

Date of monitoring	Time period	Noise location (on site)	Noise sensitive location -NSL (if applicable)	LA _{eq}	LA ₉₀	LA ₁₀	LA _{max}	Tonal or Impulsive noise* (Y/N)	If tonal /impulsive noise was identified was 5dB penalty applied?	Comments (ex. main noise sources on site, & extraneous noise ex. road traffic)	Is <u>site</u> compliant with noise limits (day/evening/night)?
06/08/2015	11.30	N1		61.5	57.7	63.9	75.8	No	SELECT	Recycling Plant in operation. Traffic in the distance. Reversing beepers.	Yes
06/08/2015	12.00	N1		61.6	56.6	63.7	81	No		Recycling Plant in operation. Traffic in the distance. Reversing beepers.	Yes
06/08/2015	12.30	N1		62.8	57.3	64.4	77.9	No		Recycling Plant in operation. Traffic in the distance. Reversing beepers.	Yes
06/08/2015	11.35	N2		55.6	41.8	58.3	78.2	No		Noise environment dominated by passing traffic along R198.	Yes
06/08/2015	12.05	N2		55.9	42.7	58.4	82.3	No		Noise environment dominated by passing traffic along R198.	Yes
06/08/2015	12.35	N2		56.3	43	59.4	80.6	No		Noise environment dominated by passing traffic along R198.	Yes
06/08/2015	14.00	N3		50	35.7	46.2	75.7	No		Noise environment dominated by passing traffic along R198.	Yes
06/08/2015	14.30	N3		47	35.4	42.7	71.3	No		Noise environment dominated by passing traffic along R198.	Yes

06/08/2015	15.00	N3		49.4	36.7	43.2	69.3	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?

SELECT

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

		Additional information
1	When did the site carry out the most recent energy efficiency audit? Please list the recommendations in table 3 below	N/A
2	Is the site a member of any accredited programmes for reducing energy usage/water conservation such as the SEAI programme linked to the right? If yes please list them in additional information	No
3	Where Fuel Oil is used in boilers on site is the sulphur content compliant with licence conditions? Please state percentage in additional information	SELECT

Energy Use	Previous year	Current year	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*
Total Energy Used (MWHrs)	374400	383300	2.38%	
Total Energy Generated (MWHrs)	N/A	N/A	N/A	N/A
Total Renewable Energy Generated (MWHrs)	N/A	N/A	N/A	N/A
Electricity Consumption (MWHrs)	374400	383300	2.38%	
Fossil Fuels Consumption:	N/A	N/A	N/A	N/A
Heavy Fuel Oil (m3)	N/A	N/A	N/A	N/A
Light Fuel Oil (m3)	N/A	N/A	N/A	N/A
Natural gas (m3)	N/A	N/A	N/A	N/A
Coal/Solid fuel (metric tonnes)	N/A	N/A	N/A	N/A
Peat (metric tonnes)	N/A	N/A	N/A	N/A
Renewable Biomass	N/A	N/A	N/A	N/A
Renewable energy generated on site	N/A	N/A	N/A	N/A

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

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

Water use	Water extracted Previous year m3/yr.	Water extracted Current year m3/yr.	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*	Water Emissions		Water Consumption	
					Volume Discharged back to environment(m ³ /yr):	Unaccounted for Water:	Volume used i.e not discharged to environment e.g. released as steam m3/yr	
Groundwater								
Surface water								
Public supply	2875	2913	1.32%	N/A	N/A	N/A	N/A	N/A
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

	Total	Landfill	Incineration	Recycled	Other
Hazardous (Tonnes)	0	0	0	0	0
Non-Hazardous (Tonnes)	35087.91	2358.42	12880.05	12092.94	7756.5

Resource Usage/Energy efficiency summary

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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					

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

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

1 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	
Yes	
No	Mulleady's accepted waste from the following: Asia Global (UK) 51.340t of Plastic Bottles WRC 40.920t (UK) of Mixed Trays Asia Global (UK) 50.780t of PET Bottles UPM Shotton (UK) 15.040 PET Bottles
Yes	

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

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)

Licenced annual tonnage limit for your site (total tonnes/annum)	EWC code	Source of waste accepted	Description of waste accepted <i>Please enter an accurate and detailed description - which applies to relevant EWC code</i> 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	17859.89	19596.67	-9%		N/A	D13- Blending or mixing prior to submission to any of the operations numbered D1 to D12		
	20 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	7700.23	7288.7	6%		38%	R5-Recycling/reclamation or other inorganic materials which includes soil celening resulting in recovery of the soil and recycling of inorganic construction materials		
	20 01 08	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Food waste from households and commercial collection	431.83	426.31	1%		N/A	D15-Storage pending any of the operations numbered D1 to D14		
	20 01 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Paper from municipal waste	9	1.7	429%	Company called Christy Lynch brought in 8.380t of Mixed Paper on a once off into the facility	100%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
	20 03 03	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Street Cleaning Residues	97.38	354.64	-73%	Decrease in the amount of street cleaning residues entering the facility	0%	D15-Storage pending any of the operations numbered D1 to D14		
	20 03 07	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Bulky waste coming from skips	2281.83	1277.69	79%	Increase in Skip order	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	425.57	486.64	-13%		100%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
	15 01 02	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Plastic packaging from municipal sources	316.41	279.06	13%		100%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
	15 01 04	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Metal Packaging, Al Cans	1653.81	340.45	386%	1602.640t of Al Cans entered the facility in 2015 from Wilton Waste for balling only	100%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		

WASTE SUMMARY		Lic No: W0169-01			Year: 2015		
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).	1271.2	1193.86	6%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	100%
16 01 03	16- WASTES NOT OTHERWISE SPECIFIED IN THE LIST	Car and tractor tyres	124.58	240.02	-48%	Stopped accepting tyres at the Agency's request.	0%
17 09 04	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Mixed C&D waste coming from construction sites	50.26	476.26	-89%	2014 saw a larger tonnage in Mixed C&D due to construction work completed at Mulleady's Ltd Mullingar site W0197-02	0%
10 01 01	10- WASTES FROM THERMAL PROCESSES	Gravel type bottom ash coming from industrial sources	739.84	808	-8%		0%
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 sources	159.36	195.59	-19%		0%
20 10 40	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Metal coming from municipal collections	18.288	54.876	-67%	Decrease in the amount of metal coming into the facility	0%
15 01 04	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Metal	12.192	36.584	-67%	Decrease in the amount of metal coming into the facility	100%
17 02 01	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	C&D Wood	246.115	134.83	83%	Increase in timber from third parties	0%
15 01 03	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Wood Packaging	98.446	53.932	83%	Increase in timber from third parties	100%
20 01 38	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Non Wood Packaging	147.669	80.898	83%	Increase in timber from third parties	0%
20 01 36	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Household White goods delivered by households	112.6	116.9	-4%		0%



Environmental Protection Agency

[Guidance to completing the PRTR workbook](#)

PRTR Returns Workbook

Version 1.1.19

REFERENCE YEAR	2015
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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	Martina McPhillips
AER Returns Contact Email Address	m.mcphillips@mulleadays.com
AER Returns Contact Position	Environmental Officer
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	75
User Feedback/Comments	Releases to Waters - Monitoring results for 2015 for Ammoniaical Nitrogen varied from 2014 results and therefore the release to the waters for the reporting year is lower and within the trigger level limits.
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 : PRTR_W0169_2015.xls | Return Year : 2015 |

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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 : PRTR_W0169_2015.xls | Return Year : 2015 |

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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		RELEASERS TO WATERS			Please enter all quantities in this section in KGs				
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	F (Fugitive) KG/Year	
12	Total nitrogen	C	OTH	Calculated from test results for Ammoniacal Nitrogen (4 test results for 2015 reporting period), annual rainfall data for Mullingar station and facility operating area		21.57	21.57	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		RELEASERS TO WATERS			Please enter all quantities in this section in KGs				
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	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		RELEASERS TO WATERS			Please enter all quantities in this section in KGs				
Pollutant No.	Name	M/C/E	Method Code	Method Used 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 : PRTR_W0169_2015.xls

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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				
13	Total phosphorus	C	OTH	Calculated from test results for Ortho Phosphates as PO4 (4 set of results for 2015 reporting period) and from volume of waste water collected in 2015	0.2689	0.2689	0.0	0.0
12	Total nitrogen	C	OTH	Calculated from test results for Ammoniacal Nitrogen (4 set of results for 2015 reporting period) and from volume of waste water collected in 2015	1.5168	1.5168	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 : PRTR_W0169_2015.xls | Return Year : 2015 |

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SECTION A : PRTR POLLUTANTS

POLLUTANT		RELEASURES TO LAND			Please enter all quantities in this section in KGs		
No. Annex II	Name	M/C/E	METHOD		Emission Point 1	QUANTITY	
			Method Code	Method Used Designation or Description		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)

POLLUTANT		RELEASURES TO LAND			Please enter all quantities in this section in KGs		
Pollutant No.	Name	M/C/E	METHOD		Emission Point 1	QUANTITY	
			Method Code	Method Used Designation or Description		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: PRTR_W0169_2015.xls | Return Year: 2015]

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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	152.22	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	651.88	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		
Within the Country	13 02 05	Yes	1.18	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	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	15 01 01	No	0.0	paper and cardboard packaging	R5	M	Weighed	Abroad	Peute Papier Recycling,IRE/G006/12		LA,Dortrecht,A528041436,Netherlands		
Within the Country	15 01 01	No	701.68	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	684.88	paper and cardboard packaging	R5	M	Weighed	Abroad	Agnail Ltd,IRE/AG/117/12		Unit 9 Rosfield,50 Rosemount Business Park,Ballycoolin,Dublin 11,Ireland		
To Other Countries	15 01 02	No	0.0	plastic packaging	R3	M	Weighed	Abroad	Marwin Environmetal Trading,IRE/G027/15		Campus,Bishopstown,Cork,Ireland		
Within the Country	15 01 04	No	1000.4	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	286.22	metallic packaging	R4	M	Weighed	Offsite in Ireland	Wilton Waste Recycling,Waste Permit:06/30		Ballyjamesduff,..Co. Cavan,Ireland		
To Other Countries	15 01 04	No	0.0	metallic packaging	R4	M	Weighed	Abroad	Novelis,BL6802IU		17 Slack Road,..Manchester,M98AW, United Kingdom		
To Other Countries	15 01 04	No	740.08	metallic packaging	R4	M	Weighed	Abroad	Tandom Metallurgical Group Ltd,IRE/G237/15		Randor Park Industrial Estate,Congleton,Cheshire, CW124XE,United Kingdom		
To Other Countries	15 01 07	No	1404.92	glass packaging	R5	M	Weighed	Abroad	Glassdon.LN/08/103		52 Creagh Road,Toomebridge,..Co. Antrim,United Kingdom		
Within the Country	16 01 20	No	27.2	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	0.0	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,192-03,Rilta Environmental,Block 402,Greenogue Business Park,Rathcoole,Ireland	Rilta Environmental,Block 402,Greenogue Business Park,Rathcoole,Ireland
Within the Country	16 06 01	Yes	4.28	lead batteries	R4	M	Weighed	Offsite in Ireland	Wilton Waste Recycling,Waste Permit:06/30		Ballyjamesduff,..Co. Cavan,Ireland	01,Kiffagh,Crosserlough,Ballyjamesduff,Co. Cavan,Ireland	Kiffagh,Crosserlough,Ballyjamesduff,Co. Cavan,Ireland
Within the Country	16 06 04	No	0.0	alkaline batteries (except 16 06 03)	R4	M	Weighed	Offsite in Ireland	KMK Metals Recycling Ltd,W0113-03		Road,Tullamore,Co. Offally,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	17 04 01	No	2.1	copper, bronze, brass other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	R4	M	Weighed	Offsite in Ireland	Wilton Waste Recycling,Waste Permit:06/30		Ballyjamesduff,...Co. Cavan,Ireland T/A Thornton Recycling Unit S3B Henry Road ,Park West Business Park,Dublin 12 ,Co/Dublin,Ireland		
Within the Country	19 12 12	No	0.0	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	Padraig Thornton Waste,Disposal Ltd WCP-DC-09-1190				
Within the Country	19 12 12	No	0.0	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	Greenstar Millenium Park W183 - 1,Millenium Business Park		Grange ,Ballycoolin,Dublin, ,Ireland		
Within the Country	19 12 12	No	7271.62	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	Indaver Ireland,W0167-02		Carranstown,Duleek,..CoMe ath,Ireland		
Within the Country	19 12 12	No	2027.7	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	Enrich Environmental Ltd,08/0004/01		Marymount,Castleknock Rd,Castleknock,Dublin 15,Ireland		
Within the Country	19 12 12	No	1046.96	11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	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	5292.12	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	1258.4	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	21.04	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		Merrywell Industrial Estate,Ballymount Road Lower,Dublin 22,..Ireland Unit 9 Rossfield,50 Rosemount Business Park,Ballycoolin,Dublin 11,Ireland		
To Other Countries	20 01 01	No	0.0	paper and cardboard	R5	M	Weighed	Abroad	Agnail Ltd,IRE/AG/117/12		Baanhoekweg 4,3313 LA,Dortrecht,A528041436,N etherlands		
To Other Countries	20 01 01	No	0.0	paper and cardboard	R5	M	Weighed	Abroad	Peute Papier Recycling,IRE/G006/12 WRC Recycling Total Waste Solution,WRC Recycling Floor		St. Johnstone ...Renfrewshire,..United Kingdom Unit 11 Alvaston Business Park,Middlewoch Road,Nantwich Cheshire,CW56PF,United Kingdom		
To Other Countries	20 01 01	No	2764.3	paper and cardboard	R3	M	Weighed	Abroad	Recycling Uk Limited,IRE/G069/15 Michael Dolan,WFP--WM-2010-0005-01		Johnstown,Slanemore,..Mullingar,Ireland Glen Abbey Complex,Belgrad Road,Tallagh,Dublin 24,Ireland		
Within the Country	20 01 08	No	424.52	biodegradable kitchen and canteen waste	R3	M	Weighed	Offsite in Ireland					
Within the Country	20 01 11	No	5.42	textiles	R5	M	Weighed	Offsite in Ireland	Textile Recycling Ltd,WPR-014				

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	20 01 21	Yes	0.76	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	112.24	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		Cappincur Industrial Estate,Daingean Road,Tullamore,Co. Offaly,Ireland		
Within the Country	20 01 38	No	624.88	wood other than that mentioned in 20 01 37	R3	M	Weighed	Offsite in Ireland	OCR Waste Management Ltd,WFP-RN-10-0001-01		Office 2 Roxborough,....Co. Roscommon,Ireland		
Within the Country	20 01 38	No	146.9	wood other than that mentioned in 20 01 37	R3	M	Weighed	Offsite in Ireland	Conroys Recycling Company,WFP-WH-2009-0002-01		Sonna Mullingar,Westmeath,..,Ireland		
To Other Countries	20 01 39	No	198.86	plastics	R5	M	Weighed	Abroad	Boost Recycling Ltd,IRE/G082/12		Road,Burwell,Cambridge,CB250AN,United Kingdom		
Within the Country	20 01 39	No	42.44	plastics	R5	M	Weighed	Offsite in Ireland	Enviro Green Plastics Ltd,IRE/G419/16		Kildare,..,Ireland		
To Other Countries	20 01 39	No	713.2	plastics	R5	M	Weighed	Abroad	WRC Recycling Total Waste Solution,WRC Recycling Floor		St. Johnstone ..,Renfrewshire,..,United Kingdom		
To Other Countries	20 01 39	No	193.08	plastics	R5	M	Weighed	Abroad	Asia Global Trade Ltd,IRE/G045/15		157 Highlever Road ..,London,W10 6PH,United Kingdom		
To Other Countries	20 01 39	No	122.22	plastics	R3	M	Weighed	Abroad	Volker Gruupe Ltd,IRE/G435/17		37 Innotec Drive ,Bangor ..,BT19 7PD,United Kingdom		
To Other Countries	20 01 39	No	212.34	plastics	R3	M	Weighed	Abroad	Newport CH International LLC Ltd,IRE/AG288/17		1st Floor ,3 More London Riverside,London,SE1 2RE,United Kingdom		
To Other Countries	20 01 39	No	46.34	plastics	R3	M	Weighed	Abroad	Nevis Resources Ltd,IREG422/66		96 Tolf Hill,Bishop Auckland,County Durham,DL14 0JA,United Kingdom		
To Other Countries	20 01 39	No	250.94	plastics	R3	M	Weighed	Abroad	Vanden Recycling,IRE/G274/16		Lisburn,BT275QB,United Kingdom		
Within the Country	20 01 39	No	197.3	plastics	R1	M	Weighed	Offsite in Ireland	Pac On Waste & Recycling Ltd,WFP-FG-10/0004-01		4F Fingal Business Park,Ballbriggan,Co. Dublin,..,Ireland		
To Other Countries	20 01 39	No	59.62	plastics	R3	M	Weighed	Abroad	J&A Young (Leicester) Ltd,IRE/G058/15		Brook House,Hambleton Road,Eggleton,LE15 8AE,United Kingdom		
Within the Country	20 01 40	No	228.72	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	4350.03	mixed municipal waste	R1	M	Weighed	Offsite in Ireland	Indaver Ireland,W0167-02		Drehid Waste Management Facility Bord Na Killinagh Upper,Carbury,..,Co. Kildare,Ireland		
Within the Country	20 03 01	No	434.18	mixed municipal waste	D5	M	Weighed	Offsite in Ireland	Mona,W201-02		Proudstown Road,..,Navan,Co. Meath,Ireland		
Within the Country	20 03 07	No	0.0	bulky waste	R5	M	Weighed	Offsite in Ireland	Advanced Environmental Solutions (Ireland) Ltd,W0131-02				

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	20 03 07	No	0.0	bulky waste	R5	M	Weighed	Offsite in Ireland	Advanced Environmental Solutions (Ireland) Ltd,W0222-01	Coldwinters,Blakescross,Lusk,Co.Dublin,Ireland		
Within the Country	20 01 40	No	4.1	metals	R4	M	Weighed	Offsite in Ireland	KMK Metals Recycling Ltd,W0113-03	Cappincur Industrial Estate, Daingean Road, Tullamore, Co. Offally, Ireland Ballymount		
Within the Country	20 03 01	No	52.14	mixed municipal waste	D5	M	Weighed	Offsite in Ireland	Nurendale Limited ,W0039-02	Cross, Tallaght, Dublin 24, , Ireland The Kipper		
Within the Country	20 01 39	No	100.06	plastics	R3	M	Weighed	Offsite in Ireland	Materia Environment Ltd, IRE/AG161/15	House, Scilly, Kinsale, Co. Cork, Ireland Hemswell Business		
To Other Countries	20 01 39	No	212.98	plastics	R3	M	Weighed	Abroad	EcoPlastics Recycling Limited ,IRE/G009/15	Park, , Hemswell England ,DN21 5TU, United Kingdom Unit 9 Rossfield, 50 Rosemount Business Park, Ballycoolin, Dublin 11, Ireland		
To Other Countries	16 01 03	No	504.7	end-of-life tyres other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	R5	M	Weighed	Abroad	Agnail Ltd, IRE/AG/117/12			
Within the Country	19 12 12	No	9.04	11	R3	M	Weighed	Offsite in Ireland	Gannon Eco Limited, WFP-WM-2009-0007-01	Quarriers, Ballinagore, West Meath, , Ireland Rathdrinagh		
Within the Country	20 03 01	No	157.98	mixed municipal waste	R5	M	Weighed	Offsite in Ireland	Nurendale Ltd, W0140-03	, Beauparc, Navan, Co. Meath, Ireland		

* 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](#)