

Annual Environmental Report

Jan 2017 – Dec 2017

2017



W0197-02

**Unit 16-17 Mullingar Business Park
Mullingar
Co. Westmeath**

Facility Information Summary


AER Reporting Year	2017
Licence Register Number	W0197-02
Name of site	Mulleadys Limited Mullingar
Site Location	Unit 16 - 17 Mullingar Business Park Mullingar Co. Westmeath
NACE Code	3811, 3821
Class/Classes of Activity	Principal Class of Activity 3.13
National Grid Reference (6E, 6 N)	E242474.54, N252230.72

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 Mullingar, formally known as Wallaces is licenced to accept 50.000 tonnes of waste per annum. Mulleadys acquired Wallaces facility in Febraury 2014. This 1 arce site is located in an industrial area of Mullingar Business Park Co. Westmeath. Activities onsite are limited to bulking the waste and transferring it offsite to landfill, incineration and recycling outlets. No processing of waste takes place onsite as the trommel and picking station has been dismantled. Civic amenity is still available to facilitate the public.

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.

	28/03/2018
Signature	Date
Group/Facility manager (or nominated, suitably qualified and experienced deputy)	

AIR-summary template Lic No: W0197-02 Year 2017

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 Four 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 year if applicable
No. 1 D1	Dust	21/02/2017 - 22/03/2017	No	350mg/m2/day	51.7	mg/m2/day	yes	Dust is collected using a jam jar collector, Bergerhoff method. Determination of Dust	0.0188705	
No. 1 D2	Dust	21/02/2017 - 22/03/2017	No	350mg/m2/day	4.93	mg/m2/day	yes	Dust is collected using a jam jar collector, Bergerhoff method. Determination of Dust	0.00179945	
No. 1 D3	Dust	21/02/2017 - 22/03/2017	No	350mg/m2/day	13.8	mg/m2/day	yes	Dust is collected using a jam jar collector, Bergerhoff method. Determination of Dust	0.005037	
No.2 D1	Dust	03/04/2017 - 02/05/2017	No	350mg/m2/day	36.2	mg/m2/day	yes	Dust is collected using a jam jar collector, Bergerhoff method. Determination of Dust	0.013213	
No.2 D2	Dust	03/04/2017 - 02/05/2017	No	350mg/m2/day	64.3	mg/m2/day	yes	Dust is collected using a jam jar collector, Bergerhoff method. Determination of Dust	0.0234695	
No.2 D3	Dust	03/04/2017 - 02/05/2017	No	350mg/m2/day	34.8	mg/m2/day	yes	Dust is collected using a jam jar collector, Bergerhoff method. Determination of Dust	0.012702	
No. 3 D1	Dust	03/07/2017 - 01/08/2017	No	350mg/m2/day	62.9	mg/m2/day	yes	Dust is collected using a jam jar collector, Bergerhoff method. Determination of Dust	0.0229585	

AIR-summary template		Lic No:		W0197-02		Year		2017	
No. 3 D2	Dust	03/07/2017 - 01/08/2017	No	350mg/m ² /day	25.2	mg/m ² /day	yes	Dust is collected using a jam jar collector, Bergerhoff method. Determination of Dust	0.009198
No. 3 D3	Dust	03/07/2017 - 01/08/2017	No	350mg/m ² /day	51.9	mg/m ² /day	yes	Dust is collected using a jam jar collector, Bergerhoff method. Determination of Dust	0.0189435
No 4. D1	Dust	02/10/2017 - 31/10/2017	No	350mg/m ² /day	63.5	mg/m ² /day	yes	Dust is collected using a jam jar collector, Bergerhoff method. Determination of Dust	0.0231775
No 4. D2	Dust	02/10/2017 - 31/10/2017	No	350mg/m ² /day	157	mg/m ² /day	yes	Dust is collected using a jam jar collector, Bergerhoff method. Determination of Dust	0.057305
No 4. D3	Dust	02/10/2017 - 31/10/2017	No	350mg/m ² /day	94.8	mg/m ² /day	yes	Dust is collected using a jam jar collector, Bergerhoff method. Determination of Dust	0.034602

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

AIR-summary template	Lic No:	W0197-02	Year	2017
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	ELV in licence or any revision therof	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

AIR-summary template	Lic No: W0197-02	Year: 2017						
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		Please refer to linked solvent regulations to complete table 5 and 6 Solvent regulations						
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. by-	Solvents destroyed onsite through	Total emission of Solvent to air (kg)
								Total

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)

Lic No: W0197-02 Year 2017

<p>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> <p>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</u> evidence of contamination noted during visual inspections</p>	<p style="text-align: center;">Additional information</p> <p>Yes</p> <p>In 2017 monitoring of surface water was undertaken as well as monitoring of the foul water, FW1 & FW2. Mulleadys continued to monitor surface water on a quarterly basis as per the licence requirements and visual inspections on a daily basis.</p> <p>Yes</p>
--	--

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)

Was there any result in breach of licence requirements? If yes please provide brief details in the comment section of Table W3 below

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 checklist](#) [Assessment of results checklist](#)

<p>No</p> <p>Yes</p>	<p style="text-align: center;">Additional information</p>
----------------------	---

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

Emission reference no:	Emission released to	Parameter/ SubstanceNote 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
SW-1	Water	Suspended Solids	discrete	22/03/2017	SELECT	50 mg/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		
SW-1	Water	Suspended Solids	discrete	02/05/2017		50 mg/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!	
SW-1	Water	Suspended Solids	discrete	23/08/2017		50 mg/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		
SW-1	Water	Suspended Solids	discrete	06/12/2017		50 mg/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		
SW-1	Water	BOD	discrete	22/03/2017		100 mg/l	All values < ELV	<1	mg/L	yes	Alcontrol Laboratories TM045, Determination of BOD5 (ATU) Filtered by Oxigen Meter on liquids	UK SCA "Blue Book" series	Blue Book 130	#VALUE!	

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)														
					Lic No:	W0197-02			Year	2017				
SW-1	Water	BOD	discrete	02/05/2017		100 mg/l	All values < ELV	<1	mg/L	yes	Alcontrol Laboratories TM045, Determination of BOD5 (ATU) Filtered by Oxigen Meter on liquids	UK SCA "Blue Book" series	Blue Book 130	
SW-1	Water	BOD	discrete	23/08/2017		100 mg/l	All values < ELV	<1	mg/L	yes	Alcontrol Laboratories TM045, Determination of BOD5 (ATU) Filtered by Oxigen Meter on liquids	UK SCA "Blue Book" series	Blue Book 130	
SW-1	Water	BOD	discrete	06/12/2017		100 mg/l	All values < ELV	<1	mg/L	yes	Alcontrol Laboratories TM045, Determination of BOD5 (ATU) Filtered by Oxigen Meter on liquids	UK SCA "Blue Book" series	Blue Book 130	
SW-1	Water	Ammoniacal Nitrogen (as N)	discrete	22/03/2017			All values < ELV	0.239	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	0.000087235
SW-1	Water	Ammoniacal Nitrogen (as N)	discrete	02/05/2017			All values < ELV	0.605	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	0.000220825
SW-1	Water	Ammoniacal Nitrogen (as N)	discrete	23/08/2017			All values < ELV	1.08	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	0.0003942
SW-1	Water	Ammoniacal Nitrogen (as N)	discrete	06/12/2017			All values < ELV	0.136	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	0.00004964
SW-1	Water	COD	discrete	22/03/2017		250 mg/l	All values < ELV	19.6	mg/L	yes	Alcontrol Laboratories, TM 107, Determination of Chemical Oxogen Demand using COD Dr Lange Kit	ISO	ISO 6060-1989	0.007154
SW-1	Water	COD	discrete	02/05/2017		250 mg/l	All values < ELV	19	mg/L	yes	Alcontrol Laboratories, TM 107, Determination of Chemical Oxogen Demand using COD Dr Lange Kit	ISO	ISO 6060-1989	0.006935
SW-1	Water	COD	discrete	23/08/2017		250 mg/l	All values < ELV	8.03	mg/L	yes	Alcontrol Laboratories, TM 107, Determination of Chemical Oxogen Demand using COD Dr Lange Kit	ISO	ISO 6060-1989	0.00293095
SW-1	Water	COD	discrete	06/12/2017		250 mg/l	All values < ELV	<7	mg/L	yes	Alcontrol Laboratories, TM 107, Determination of Chemical Oxogen Demand using COD Dr Lange Kit	ISO	ISO 6060-1989	#VALUE!
SW-1	Water	Conductivity	discrete	22/03/2017			All values < ELV	0.386	mS/cm	yes	Alcontrol Laboratories, TM120, Determination of Electrical Conductivity using a Conductivity Meter	B.S. (British Standard)	BS 2690: Part 9:1970	0.00014089
SW-1	Water	Conductivity	discrete	02/05/2017			All values < ELV	0.388	mS/cm	yes	Alcontrol Laboratories, TM120, Determination of Electrical Conductivity using a Conductivity Meter	B.S. (British Standard)	BS 2690: Part 9:1970	0.00014162
SW-1	Water	Conductivity	discrete	23/08/2017			All values < ELV	0.346	mS/cm	yes	Alcontrol Laboratories, TM120, Determination of Electrical Conductivity using a Conductivity Meter	B.S. (British Standard)	BS 2690: Part 9:1970	0.00012629
SW-1	Water	Conductivity	discrete	06/12/2017			All values < ELV	0.272	mS/cm	yes	Alcontrol Laboratories, TM120, Determination of Electrical Conductivity using a Conductivity Meter	B.S. (British Standard)	BS 2690: Part 9:1970	0.00009928

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)					Lic No:	W0197-02	Year	2017							
SW-1	Water	Mineral Oils	discrete	22/03/2017			All values < ELV	<10	µ/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria			
SW-1	Water	Mineral Oils	discrete	02/05/2017			All values < ELV	<10	µ/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria			
SW-1	Water	Mineral Oils	discrete	23/08/2017			All values < ELV	<10	µ/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria			
SW-1	Water	Mineral Oils	discrete	06/12/2017			All values < ELV	<100	µ/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria			
SW-1	Water	ph	discrete	22/03/2017		6-8	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	
SW-1	Water	ph	discrete	02/05/2017		6-8	All values < ELV	7.6	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		0.002774	
SW-1	Water	ph	discrete	23/08/2017		6-8	All values < ELV	7.5	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		0.0027375	
SW-1	Water	ph	discrete	06/12/2017		6-8	All values < ELV	7.38	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		0.0026937	
SW-1	Water	EPH Range >C10-C40 (aq)	discrete	22/03/2017			All values < ELV	<46	µg/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria		#VALUE!	
SW-1	Water	EPH Range >C10-C40 (aq)	discrete	02/05/2017			All values < ELV	<46	µg/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria		#VALUE!	
SW-1	Water	EPH Range >C10-C40 (aq)	discrete	23/08/2017			All values < ELV	<46	µg/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria		#VALUE!	

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)														
						Lic No:	W0197-02	Year		2017				
SW-1	Water	EPH Range >C10-C40 (aq)	discrete	06/12/2017			All values < ELV	<100	µg/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria	#VALUE!	
SW-1	Water	EPH Range >C10-C12 (aq)	discrete	22/03/2017			All values < ELV	<10	µg/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria	#VALUE!	
SW-1	Water	EPH Range >C10-C12 (aq)	discrete	02/05/2017			All values < ELV	<10	µg/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria		
SW-1	Water	EPH Range >C10-C12 (aq)	discrete	23/08/2017			All values < ELV	<10	µg/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria		
SW-1	Water	EPH Range >C10-C12 (aq)	discrete	06/12/2017			All values < ELV	<100	µg/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria		
SW-1	Water	TPH/Oil & Greases	discrete	22/03/2017			All values < ELV	<1	mg/L	yes	Alcontrol Laboratories, TM235, Determination of Total Petroleum Hydrocarbons (TPH) in Water by Infra-Red Spectroscopy	The Determination of Hydrocarbon Oils in Water by Solvent Extraction, Infra red Absorption and Gravimetry 1983, HMSO, London		
SW-1	Water	TPH/Oil & Greases	discrete	02/05/2017			All values < ELV	<1	mg/L	yes	Alcontrol Laboratories, TM235, Determination of Total Petroleum Hydrocarbons (TPH) in Water by Infra-Red Spectroscopy	The Determination of Hydrocarbon Oils in Water by Solvent Extraction, Infra red Absorption and Gravimetry 1983, HMSO, London		
SW-1	Water	TPH/Oil & Greases	discrete	23/08/2017			All values < ELV	<1	mg/L	yes	Alcontrol Laboratories, TM235, Determination of Total Petroleum Hydrocarbons (TPH) in Water by Infra-Red Spectroscopy	The Determination of Hydrocarbon Oils in Water by Solvent Extraction, Infra red Absorption and Gravimetry 1983, HMSO, London		
SW-1	Water	TPH/Oil & Greases	discrete	06/12/2017			All values < ELV	<1	mg/L	yes	Alcontrol Laboratories, TM235, Determination of Total Petroleum Hydrocarbons (TPH) in Water by Infra-Red Spectroscopy	The Determination of Hydrocarbon Oils in Water by Solvent Extraction, Infra red Absorption and Gravimetry 1983, HMSO, London		
FW-1	Water	Suspended Solids	discrete	22/03/2017	SELECT	50 mg/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	
FW-1	Water	Suspended Solids	discrete	02/05/2017		50 mg/l	All values < ELV	5.45	mg/L	yes	Alcontrol Laboratories Method: TM022, Determination of total suspended solids in waters	B.S. (British Standard)	0.00198925	

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)															
						Lic No:	W0197-02	Year			2017				
FW-1	Water	Suspended Solids	discrete	23/08/2017		50 mg/l	All values < ELV	2.9	mg/L	yes	Alcontrol Laboratories Method: TM022, Determination of total suspended solids in waters	B.S. (British Standard)	BS EN 872	0.0010585	
FW-1	Water	Suspended Solids	discrete	11/11/2017		50 mg/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		
FW-1	Water	BOD	discrete	22/03/2017		100 mg/l	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!	
FW-1	Water	BOD	discrete	02/05/2017		100 mg/l	All values < ELV	2.19	mg/L	yes	Alcontrol Laboratories TM045, Determination of BOD5 (ATU) Filtered by Oxygen Meter on liquids	UK SCA "Blue Book" series	Blue Book 130	0.00079935	
FW-1	Water	BOD	discrete	23/08/2017		100 mg/l	All values < ELV	4.54	mg/L	yes	Alcontrol Laboratories TM045, Determination of BOD5 (ATU) Filtered by Oxygen Meter on liquids	UK SCA "Blue Book" series	Blue Book 130	0.0016571	
FW-1	Water	BOD	discrete	11/11/2017		100 mg/l	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		
FW-1	Water	Ammoniacal Nitrogen (as N)	discrete	22/03/2017			All values < ELV	0.207	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	0.000075555	
FW-1	Water	Ammoniacal Nitrogen (as N)	discrete	02/05/2017			All values < ELV	2.62	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	0.0009563	
FW-1	Water	Ammoniacal Nitrogen (as N)	discrete	23/08/2017			All values < ELV	5.2	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	0.001898	
FW-1	Water	Ammoniacal Nitrogen (as N)	discrete	11/11/2017			All values < ELV	0.35	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	0.00012775	
FW-1	Water	COD	discrete	22/03/2017		250 mg/l	All values < ELV	16.8	mg/L	yes	Alcontrol Laboratories, TM 107, Determination of Chemical Oxygen Demand using COD Dr Lange Kit	ISO	ISO 6060-1989	0.006132	
FW-1	Water	COD	discrete	02/05/2017		250 mg/l	All values < ELV	10.4	mg/L	yes	Alcontrol Laboratories, TM 107, Determination of Chemical Oxygen Demand using COD Dr Lange Kit	ISO	ISO 6060-1989	0.003796	
FW-1	Water	COD	discrete	23/08/2017		250 mg/l	All values < ELV	18.3	mg/L	yes	Alcontrol Laboratories, TM 107, Determination of Chemical Oxygen Demand using COD Dr Lange Kit	ISO	ISO 6060-1989	0.0066795	
FW-1	Water	COD	discrete	11/11/2017		250 mg/l	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!	
FW-1	Water	Conductivity	discrete	22/03/2017			All values < ELV	0.382	mS/cm	yes	Alcontrol Laboratories, TM120, Determination of Electrical Conductivity using a Conductivity Meter	B.S. (British Standard)	BS 2690: Part 9:1970	#REF!	

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)						Lic No:	W0197-02	Year	2017						
FW-1	Water	Conductivity	discrete	02/05/2017			All values < ELV	0.342	mS/cm	yes	Alcontrol Laboratories, TM120, Determination of Electrical Conductivity using a Conductivity Meter	B.S. (British Standard)	BS 2690: Part 9:1970	#REF!	
FW-1	Water	Conductivity	discrete	23/08/2017			All values < ELV	0.328	mS/cm	yes	Alcontrol Laboratories, TM120, Determination of Electrical Conductivity using a Conductivity Meter	B.S. (British Standard)	BS 2690: Part 9:1970	#REF!	
FW-1	Water	Conductivity	discrete	11/11/2017			All values < ELV	0.364	mS/cm	yes	Alcontrol Laboratories, TM120, Determination of Electrical Conductivity using a Conductivity Meter	B.S. (British Standard)	BS 2690: Part 9:1970	#REF!	
FW-1	Water	Mineral Oils	discrete	22/03/2017			All values < ELV	<10	µ/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria			
FW-1	Water	Mineral Oils	discrete	02/05/2017			All values < ELV	<10	µ/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria			
FW-1	Water	Mineral Oils	discrete	23/08/2017			All values < ELV	<10	µ/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria			
FW-1	Water	Mineral Oils	discrete	11/11/2017			All values < ELV	<100	µ/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria			
FW-1	Water	ph	discrete	22/03/2017		6-8	All values < ELV	7.45	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		0.00271925	
FW-1	Water	ph	discrete	02/05/2017		6-8	All values < ELV	7.3	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		0.0026645	
FW-1	Water	ph	discrete	23/08/2017		6-8	All values < ELV	7.3	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		0.0026645	
FW-1	Water	ph	discrete	11/11/2017		6-8	All values < ELV	7.97	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		0.00290905	

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)					Lic No:	W0197-02	Year	2017							
FW-1	Water	EPH Range >C10-C40 (aq)	discrete	22/03/2017		2mg/l	All values < ELV	<46	µg/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria		#VALUE!	
FW-1	Water	EPH Range >C10-C40 (aq)	discrete	02/05/2017		2mg/l	All values < ELV	<46	µg/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria		#VALUE!	
FW-1	Water	EPH Range >C10-C40 (aq)	discrete	23/08/2017		2mg/l	All values < ELV	<46	µg/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria		#VALUE!	
FW-1	Water	EPH Range >C10-C40 (aq)	discrete	11/11/2017		2mg/l	All values < ELV	<100	µg/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria		#VALUE!	
FW-1	Water	EPH Range >C10-C12 (aq)	discrete	22/03/2017		2mg/l	All values < ELV	<10	µg/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria		#VALUE!	
FW-1	Water	EPH Range >C10-C12 (aq)	discrete	02/05/2017		2mg/l	All values < ELV	<10	µg/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria		#VALUE!	
FW-1	Water	EPH Range >C10-C12 (aq)	discrete	23/08/2017		2mg/l	All values < ELV	<10	µg/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria		#VALUE!	
FW-1	Water	EPH Range >C10-C12 (aq)	discrete	11/11/2017		2mg/l	All values < ELV	<100	µg/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria		#VALUE!	
FW-1	Water	TPH/Oil & Greases	discrete	22/03/2017		10	All values < ELV	<1	mg/L	yes	Alcontrol Laboratories, TM235, Determination of Total Petroleum Hydrocarbons (TPH) in Water by Infra-Red Spectroscopy	The Determination of Hydrocarbon Oils in Water by Solvent Extraction, Infra red Absorption and Gravimetry 1983, HMSO, London		#VALUE!	
FW-1	Water	TPH/Oil & Greases	discrete	02/05/2017		10	All values < ELV	<1	mg/L	yes	Alcontrol Laboratories, TM235, Determination of Total Petroleum Hydrocarbons (TPH) in Water by Infra-Red Spectroscopy	The Determination of Hydrocarbon Oils in Water by Solvent Extraction, Infra red Absorption and Gravimetry 1983, HMSO, London		#VALUE!	
FW-1	Water	TPH/Oil & Greases	discrete	23/08/2017		10	All values < ELV	<1	mg/L	yes	Alcontrol Laboratories, TM235, Determination of Total Petroleum Hydrocarbons (TPH) in Water by Infra-Red Spectroscopy	The Determination of Hydrocarbon Oils in Water by Solvent Extraction, Infra red Absorption and Gravimetry 1983, HMSO, London		#VALUE!	

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)													
Lic No: W0197-02 Year: 2017													
FW-1	Water	TPH/Oil & Greases	discrete	11/11/2017		10	All values < ELV	<1	mg/L	yes	Alcontrol Laboratories, TM235, Determination of Total Petroleum Hydrocarbons (TPH) in Water by Infra-Red Spectroscopy	The Determination of Hydrocarbon Oils in Water by Solvent Extraction, Infra red Absorption and Gravimetry 1983, HMSO, London	#VALUE!
FW-2	Water	Suspended Solids	discrete	22/03/2017	SELECT	50 mg/l	All values < ELV	<2	mg/L	yes	Alcontrol Laboratories Method: TM022, Determination of total suspended solids in waters	B.S. (British Standard)	#VALUE!
FW-2	Water	Suspended Solids	discrete	02/05/2017		50 mg/l	All values < ELV	5.3	mg/L	yes	Alcontrol Laboratories Method: TM022, Determination of total suspended solids in waters	B.S. (British Standard)	0.0019345
FW-2	Water	Suspended Solids	discrete	23/08/2017		50 mg/l	All values < ELV	<2	mg/L	yes	Alcontrol Laboratories Method: TM022, Determination of total suspended solids in waters	B.S. (British Standard)	
FW-2	Water	Suspended Solids	discrete	11/11/2017		50 mg/l	All values < ELV	<2	mg/L	yes	Alcontrol Laboratories Method: TM022, Determination of total suspended solids in waters	B.S. (British Standard)	
FW-2	Water	BOD	discrete	22/03/2017		100 mg/l	All values < ELV	2.14	mg/L	yes	Alcontrol Laboratories TM045, Determination of BOD5 (ATU) Filtered by Oxygen Meter on liquids	UK SCA "Blue Book" series	0.0007811
FW-2	Water	BOD	discrete	02/05/2017		100 mg/l	All values < ELV	2.33	mg/L	yes	Alcontrol Laboratories TM045, Determination of BOD5 (ATU) Filtered by Oxygen Meter on liquids	UK SCA "Blue Book" series	0.00085045
FW-2	Water	BOD	discrete	23/08/2017		100 mg/l	All values < ELV	4.04	mg/L	yes	Alcontrol Laboratories TM045, Determination of BOD5 (ATU) Filtered by Oxygen Meter on liquids	UK SCA "Blue Book" series	0.0014746
FW-2	Water	BOD	discrete	11/11/2017		100 mg/l	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	
FW-2	Water	Ammoniacal Nitrogen (as N)	discrete	22/03/2017			All values < ELV	0.176	mg/L	yes	Alcontrol Laboratories, TM099, Determination of Ammonium in Water Sampling using the Kone Analyser	B.S. (British Standard)	0.00006424
FW-2	Water	Ammoniacal Nitrogen (as N)	discrete	02/05/2017			All values < ELV	2.68	mg/L	yes	Alcontrol Laboratories, TM099, Determination of Ammonium in Water Sampling using the Kone Analyser	B.S. (British Standard)	0.0009782
FW-2	Water	Ammoniacal Nitrogen (as N)	discrete	23/08/2017			All values < ELV	1.23	mg/L	yes	Alcontrol Laboratories, TM099, Determination of Ammonium in Water Sampling using the Kone Analyser	B.S. (British Standard)	0.00044895
FW-2	Water	Ammoniacal Nitrogen (as N)	discrete	11/11/2017			All values < ELV	0.698	mg/L	yes	Alcontrol Laboratories, TM099, Determination of Ammonium in Water Sampling using the Kone Analyser	B.S. (British Standard)	0.00025477
FW-2	Water	COD	discrete	22/03/2017		250 mg/l	All values < ELV	<7	mg/L	yes	Alcontrol Laboratories, TM 107, Determination of Chemical Oxogen Demand using COD Dr Lange Kit	ISO	#VALUE!
FW-2	Water	COD	discrete	02/05/2017		250 mg/l	All values < ELV	11.7	mg/L	yes	Alcontrol Laboratories, TM 107, Determination of Chemical Oxogen Demand using COD Dr Lange Kit	ISO	0.0042705

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)														
						Lic No:	W0197-02	Year		2017				
FW-2	Water	COD	discrete	23/08/2017		250 mg/l	All values < ELV	13.5	mg/L	yes	Alcontrol Laboratories, TM 107, Determination of Chemical Oxygen Demand using COD Dr Lange Kit	ISO	ISO 6060-1989	0.0049275
FW-2	Water	COD	discrete	11/11/2017		250 mg/l	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!
FW-2	Water	Conductivity	discrete	22/03/2017			All values < ELV	0.389	mS/cm	yes	Alcontrol Laboratories, TM120, Determination of Electrical Conductivity using a Conductivity Meter	B.S. (British Standard)	BS 2690: Part 9:1970	0.000141985
FW-2	Water	Conductivity	discrete	02/05/2017			All values < ELV	0.341	mS/cm	yes	Alcontrol Laboratories, TM120, Determination of Electrical Conductivity using a Conductivity Meter	B.S. (British Standard)	BS 2690: Part 9:1970	0.000124465
FW-2	Water	Conductivity	discrete	23/08/2017			All values < ELV	0.326	mS/cm	yes	Alcontrol Laboratories, TM120, Determination of Electrical Conductivity using a Conductivity Meter	B.S. (British Standard)	BS 2690: Part 9:1970	0.00011899
FW-2	Water	Conductivity	discrete	11/11/2017			All values < ELV	0.367	mS/cm	yes	Alcontrol Laboratories, TM120, Determination of Electrical Conductivity using a Conductivity Meter	B.S. (British Standard)	BS 2690: Part 9:1970	0.000133955
FW-2	Water	Mineral Oils	discrete	22/03/2017			All values < ELV	<10	µ/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria		
FW-2	Water	Mineral Oils	discrete	02/05/2017			All values < ELV	<10	µ/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria		
FW-2	Water	Mineral Oils	discrete	23/08/2017			All values < ELV	<10	µ/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria		
FW-2	Water	Mineral Oils	discrete	11/11/2017			All values < ELV	<100	µ/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria		
FW-2	Water	ph	discrete	22/03/2017		6-8	All values < ELV	7.71	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		0.00281415
FW-2	Water	ph	discrete	02/05/2017		6-8	All values < ELV	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

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)															
Lic No: W0197-02 Year: 2017															
FW-2	Water	ph	discrete	23/08/2017		6-8	All values < ELV	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	
FW-2	Water	ph	discrete	11/11/2017		6-8	All values < ELV	7.98	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		0.0029127	
FW-2	Water	EPH Range >C10-C40 (aq)	discrete	22/03/2017		2mg/l	All values < ELV	<46	µg/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria		#VALUE!	
FW-2	Water	EPH Range >C10-C40 (aq)	discrete	02/05/2017		2mg/l	All values < ELV	<46	µg/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria		#VALUE!	
FW-2	Water	EPH Range >C10-C40 (aq)	discrete	23/08/2017		2mg/l	All values < ELV	<46	µg/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria		#VALUE!	
FW-2	Water	EPH Range >C10-C40 (aq)	discrete	11/11/2017		2mg/l	All values < ELV	<100	µg/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria		#VALUE!	
FW-2	Water	EPH Range >C10-C12 (aq)	discrete	22/03/2017		2mg/l	All values < ELV	<10	µg/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria		#VALUE!	
FW-2	Water	EPH Range >C10-C12 (aq)	discrete	02/05/2017		2mg/l	All values < ELV	<10	µg/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria		#VALUE!	
FW-2	Water	EPH Range >C10-C12 (aq)	discrete	23/08/2017		2mg/l	All values < ELV	<10	µg/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria		#VALUE!	
FW-2	Water	EPH Range >C10-C12 (aq)	discrete	11/11/2017		2mg/l	All values < ELV	<100	µg/l	yes	Alcontrol Laboratories, TM172, EPH in Waters	Analysis of Petroleum Hydrocarbons in Environmental Media - Total petroleum Hydrocarbon Criteria		#VALUE!	
FW-2	Water	TPH/Oil & Greases	discrete	22/03/2017		10mg/l	All values < ELV	<1	mg/L	yes	Alcontrol Laboratories, TM235, Determination of Total Petroleum Hydrocarbons (TPH) in Water by Infra-Red Spectroscopy	The Determination of Hydrocarbon Oils in Water by Solvent Extraction, Infra red Absorption and Gravimetry 1983, HMSO, London		#VALUE!	

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)															
Lic No: W0197-02 Year 2017															
FW-2	Water	TPH/Oil & Greases	discrete	02/05/2017		10mg/l	All values < ELV	<1	mg/L	yes	Alcontrol Laboratories, TM235, Determination of Total Petroleum Hydrocarbons (TPH) in Water by Infra-Red Spectroscopy	The Determination of Hydrocarbon Oils in Water by Solvent Extraction, Infra red Absorption and Gravimetry 1983, HMSO, London		#VALUE!	
FW-2	Water	TPH/Oil & Greases	discrete	23/08/2017		10mg/l	All values < ELV	<1	mg/L	yes	Alcontrol Laboratories, TM235, Determination of Total Petroleum Hydrocarbons (TPH) in Water by Infra-Red Spectroscopy	The Determination of Hydrocarbon Oils in Water by Solvent Extraction, Infra red Absorption and Gravimetry 1983, HMSO, London		#VALUE!	
FW-2	Water	TPH/Oil & Greases	discrete	11/11/2017		10mg/l	All values < ELV	<1	mg/L	yes	Alcontrol Laboratories, TM235, Determination of Total Petroleum Hydrocarbons (TPH) in Water by Infra-Red Spectroscopy	The Determination of Hydrocarbon Oils in Water by Solvent Extraction, Infra red Absorption and Gravimetry 1983, HMSO, London		#VALUE!	

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

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

No	
----	--

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

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

No	
----	--

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

No	
----	--

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

No	
----	--

Table W4: Summary of average emissions -continuous monitoring

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

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
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 3 mobile bunds)
- 2 How many bunds are on site?
- 3 How many of these bunds have been tested within the required test schedule?
- 4 How many mobile bunds are on site?
- 5 Are the mobile bunds included in the bund test schedule?
- 6 How many of these mobile bunds have been tested within the required test schedule?
- 7 How many sumps on site are included in the integrity test schedule?
- 8 How many of these sumps are integrity tested within the test schedule?
- 9 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?

Additional information	
Yes	
3 years	
Yes	
0	
N/A	
0	
N/A	
N/A	
N/A	
N/A	
No	
N/A	
N/A	There is no fire retention pond onsite

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)
Petrol Interceptor (Entrance)	reinforced concrete		Waste Water	10.000m3		SELECT	CCTV	02/05/2014	Yes	Pass		SELECT	2017	
Oil Interceptor	reinforced concrete		Waste Water	10.000m3			CCTV	02/05/2014	Yes	Pass			2017	
Petrol Interceptor	reinforced concrete		Waste Water	10.000m3			CCTV	02/05/2014	Yes	Pass			2017	
Petrol Interceptor (Manual shut off valve)	reinforced concrete		Waste Water	10.000m3		SELECT	CCTV	02/05/2014	Yes	Pass		SELECT	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?
15 Are channels/transfer systems to remote containment systems tested?
17 Are channels/transfer systems compliant in both integrity and available volume?

Commentary	
Yes	Integrity testing has been carried out in March 2018, final report has not been issued
Yes	Integrity testing has been carried out in March 2018, final report has not been issued
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 withing the integrity test period as specified

- 1 Please provide integrity testing frequency period
- 2 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)
Mh1 (0/5) Interceptor 1	Storm	Polyvinyl Chloride (PVC)	SELECT	SELECT	CCTV	Yes	Pass			2017	SELECT
Mh1 (U/S) Gully 5	Storm	Polyvinyl Chloride (PVC)			CCTV	Yes	Pass			2017	
Mh3 (0/5) Interceptor 3	Storm	Polyvinyl Chloride (PVC)			CCTV	Yes	Pass			2017	
Mh3 (U/S) new mh2	Storm	Polyvinyl Chloride (PVC)			CCTV	Yes	Pass			2017	
New mh2 (U/S) Interceptor 2	Storm	Polyvinyl Chloride (PVC)			CCTV	Yes	Pass			2017	
Gully 7 (U/S) gully 6	Storm	Polyvinyl Chloride (PVC)			CCTV	Yes	Pass			2017	
mh5 (0/5) Interceptor 2	Storm	Polyvinyl Chloride (PVC)			CCTV	Yes	Pass			2017	
mh5 (U/S) rw pipe	Storm	Polyvinyl Chloride (PVC)			CCTV	Yes	Pass			2017	
sw1 (U/S) rw2	Storm	Polyvinyl Chloride (PVC)			CCTV	Yes	Pass			2017	
sw1 (0/5) sw value	Storm	Polyvinyl Chloride (PVC)			CCTV	Yes	Pass			2017	

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

Groundwater/Soil monitoring template	Lic No: W0197-02	Year: 2017
---	------------------	------------

			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 A site investigation took place in 2013 to determine if Wallace's former site activities, depollution of End of Life Vehicles, may have caused contamination to soil or groundwater. No contamination was found and the report was sent to the EPA. Ground Water monitoring points include GW2 GW3 GW4. Feb 4th 2015 the Agency suggested biannual monitoring of ground water.
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
02/05/2017	BH1	Ammoniacal Nitrogen Low as NH3	Pumped Grab Sample	Bi-annually	0.114		mg/l	65 - 175µg/l N		
02/05/2017	BH2	Ammoniacal Nitrogen Low as NH4	Pumped Grab Sample	Bi-annually	0.0223		mg/l	65 - 175µg/l N		
15/06/2017	BH4	Ammoniacal Nitrogen Low as NH5	Pumped Grab Sample	Bi-annually	0.228		mg/l	65 - 175µg/l N		
02/05/2017	BH1	EPH Range > C10-C12(aq)	Pumped Grab Sample	Bi-annually	<10		µg/l			
02/05/2017	BH2	EPH Range > C10-C12(aq)	Pumped Grab Sample	Bi-annually	<10		µg/l			
15/06/2017	BH4	EPH Range > C10-C12(aq)	Pumped Grab Sample	Bi-annually	<10		µg/l			
02/05/2017	BH1	Electrical Conductivity	Pumped Grab Sample	Bi-annually	0.565		S/cm	800 - 1875 µs/cm		
02/05/2017	BH2	Electrical Conductivity	Pumped Grab Sample	Bi-annually	0.834		S/cm	800 - 1875 µs/cm		

Groundwater/Soil monitoring template				Lic No:	W0197-02	Year	2017		
15/06/2017	BH4	Electrical Conductivity	Pumped Grab Sample	Bi-annually	0.305		S/cm	800 - 1875 μ S/cm	
02/05/2017	BH1	Ph	Sample	Bi-annually	7.41		ph units		
02/05/2017	BH2	Ph	Pumped Grab Sample	Bi-annually	7.53		ph units		
15/06/2017	BH4	Ph	Pumped Grab Sample	Bi-annually	8		ph units		
02/05/2017	BH1	Nitrate	Pumped Grab Sample	Bi-annually	<0.3		mg/l	37.5mg/l NO ₃	
02/05/2017	BH2	Nitrate	Pumped Grab Sample	Bi-annually	13.7		mg/l	37.5mg/l NO ₃	
15/06/2017	BH4	Nitrate	Pumped Grab Sample	Bi-annually	<0.3		mg/l	37.5mg/l NO ₃	
02/05/2017	BH1	Total Dissolved Solids	Pumped Grab Sample	Bi-annually	351		mg/l		
02/05/2017	BH2	Total Dissolved Solids	Pumped Grab Sample	Bi-annually	537		mg/l		
15/06/2017	BH4	Total Dissolved Solids	Pumped Grab Sample	Bi-annually	230		mg/l		
02/05/2017	BH1	Sulphate	Pumped Grab Sample	Bi-annually	58.6		mg/l	187.5mg/l SO ₄	
02/05/2017	BH2	Sulphate	Pumped Grab Sample	Bi-annually	37.9		mg/l	187.5mg/l SO ₄	
15/06/2017	BH4	Sulphate	Pumped Grab Sample	Bi-annually	45		mg/l	187.5mg/l SO ₄	
15/11/2017	BH1	Ammoniacal Nitrogen Low as NH ₃	Pumped Grab Sample	Bi-annually	0.116		mg/l	65 - 175 μ g/l N	
15/11/2017	BH2	Ammoniacal Nitrogen Low as NH ₄	Pumped Grab Sample	Bi-annually	0.0154		mg/l	65 - 175 μ g/l N	
15/11/2017	BH4	Ammoniacal Nitrogen Low as NH ₅	Pumped Grab Sample	Bi-annually	0.0353		mg/l	65 - 175 μ g/l N	
15/11/2017	BH1	EPH Range > C10-C12(aq)	Pumped Grab Sample	Bi-annually	<100		μ g/l		
15/11/2017	BH2	EPH Range > C10-C12(aq)	Pumped Grab Sample	Bi-annually	<100		μ g/l		
15/11/2017	BH4	EPH Range > C10-C12(aq)	Pumped Grab Sample	Bi-annually	<100		μ g/l		
15/11/2017	BH1	Electrical Conductivity	Pumped Grab Sample	Bi-annually	0.415		S/cm	800 - 1875 μ S/cm	
15/11/2017	BH2	Electrical Conductivity	Pumped Grab Sample	Bi-annually	0.419		S/cm	800 - 1875 μ S/cm	
15/11/2017	BH4	Electrical Conductivity	Pumped Grab Sample	Bi-annually	0.392		S/cm	800 - 1875 μ S/cm	
15/11/2017	BH1	Ph	Pumped Grab Sample	Bi-annually	8.25		ph units		
15/11/2017	BH2	Ph	Pumped Grab Sample	Bi-annually	7.98		ph units		
15/11/2017	BH4	Ph	Pumped Grab Sample	Bi-annually	7.8		ph units		
15/11/2017	BH1	Nitrate	Pumped Grab Sample	Bi-annually	<0.3		mg/l	37.5mg/l NO ₃	
15/11/2017	BH2	Nitrate	Pumped Grab Sample	Bi-annually	2.67		mg/l	37.5mg/l NO ₃	
15/11/2017	BH4	Nitrate	Pumped Grab Sample	Bi-annually	2.27		mg/l	37.5mg/l NO ₃	

Groundwater/Soil monitoring template Lic No: W0197-02 Year 2017

15/11/2017	BH1	Total Dissolved Solids	Pumped Grab Sample	Bi-annually	277		mg/l			
15/11/2017	BH2	Total Dissolved Solids	Pumped Grab Sample	Bi-annually	270		mg/l			
15/11/2017	BH4	Total Dissolved Solids	Pumped Grab Sample	Bi-annually	269		mg/l			
15/11/2017	BH1	Sulphate	Pumped Grab Sample	Bi-annually	54.8		mg/l	187.5mg/l SO4		
15/11/2017	BH2	Sulphate	Pumped Grab Sample	Bi-annually	30.3		mg/l	187.5mg/l SO4		
15/11/2017	BH4	Sulphate	Pumped Grab Sample	Bi-annually	30.1		mg/l	187.5mg/l SO4		

.+ 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
							SELECT			SELECT
							SELECT			SELECT

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

[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 regulations.](#)
[Drinking water \(private supply\) standards](#)
[Drinking water \(public supply\) standards](#)
[Interim Guideline Values \(IGV\)](#)

[Surface water EQS](#)
[GTV's](#)

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 agreed by EPA	Revised ELRA submitted in 2018 and not approved by the EPA.
2	ELRA review status	Review required and not completed;	Revised ELRA submitted in 2018 and not approved by the EPA.
3	Amount of Financial Provision cover required as determined by the latest ELRA	€25,000.00	
4	Financial Provision for ELRA status	Submitted and agreed by EPA	
5	Financial Provision for ELRA - amount of cover	€25,000.00	
6	Financial Provision for ELRA - type	bond	
7	Financial provision for ELRA expiry date		
8	Closure plan initial agreement status	Closure plan submitted and agreed by EPA	Revised Closure Plan submitted in 2018 and not approved by the EPA.
9	Closure plan review status	Review required and not completed	Revised Closure Plan submitted in 2018 and not approved by the EPA.
10	Financial Provision for Closure status	Submitted and agreed by EPA	
11	Financial Provision for Closure - amount of cover	€63,750	
12	Financial Provision for Closure - type	bond	
13	Financial provision for Closure expiry date	Enter expiry date	

Environmental Management Programme/Continuous Improvement Programme template		Lic No:	W0197-02	Year	2017
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	No	Mulleady's acquired the facility in February 2014. Mulleady's started preparing the EMS in late 2016 and it is expected to be finished by mid 2018 to reflect and cover all processes carried out on-site according to the Licence requirements and latest Licence technical amendment. Revised ELRA and CRAMP has been submitted to the EPA in 2018, and is not yet approved.		
2	Does the EMS reference the most significant environmental aspects and associated impacts on-site	Yes	EMS is almost complete. Procedures completed in 2017 include Odour Management Plan, Chemical Spill Procedure, Accident Emergency Response Procedure and Firewater Retention Risk Assessment.		
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
Environmental Management Programme	Develop an Environmental Management Programme for the site outlining environmental procedures and performances	70	EMS is almost complete. Procedures completed in 2017 include the Odour Management Plan, Chemical Spill Procedure, Accident Emergency Response Procedures and Firewater Retention Risk Assessment.	Environmental Manager Managing Director	Improved Environmental Management Practices and Increased compliance with licence conditions
New facility Offices	Purchase new Cabin office.	0%		Managing Director	Installation of infrastructure
Signage	Monitoring points clearly visible. Civic amenity signs visible to the the public for proper segregation of recyclable materials.	100%	Orginal signage has been replaced. Signage required for Civic Amenity in the furture will be introduced.	Managing Director	Increased compliance with licence conditions
Refurbishment of the facility	Upgrade/repairs to waste transfer building and yard.	100%	Repair concrete hardstanding at the back of the main recycling shed. Clean effluent grid to the NE of the site and repair cracked hard standing.	Managing Director	Installation of infrastructure
Additional Facility Improvements	Construction of new boundary wall on the south side of the facility	100%	Carrying out other repairs to the facility. New retaining wall with panels constructed south of the site.	Managing Director	Installation of infrastructure
Pest control	Eliminate any pest on the site	100%	Canor pest control in charge of pest control	Managing Director	Increased compliance with licence conditions
Fire Safety	Improvements of Health and Safety onsite	100%	Installed a complete new electrical and fire alarm circuit onsite. Fire alarm installation includes a control panel, co detectors, DF3000 flame detector, input/output units, manual call points and sounders.	Managing Director	Installation of infrastructure
CCTV	Increasing higher security and monitoring to the facility	100%	CCTV in place with external monitoring station	Managing Director	Improved Environmental Management Practices

Noise monitoring summary report

Lic No: W0197-02 Year

2017

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

If yes please fill in table N1 noise summary below

Yes

2 Was noise monitoring carried out using the EPA Guidance note, including completion of the "Checklist for noise measurement report" included in the guidance note as table 6?

Noise
Guidance
note NG4

Yes

3 Does your site have a noise reduction plan

No

4 When was the noise reduction plan last updated?

NA

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)?
29/08/2017	15:30	N1		55.2	47.4	57.7	77.2	No	No audible tonal or impulsive component in the noise at any of the monitoring points	Noise level was attributed to the processing plant within the transfer station and traffic movement at the site entrance.	Yes
29/08/2017	16:00	N1		58.7	45.6	65.2	77.8	No	No audible tonal or impulsive component in the noise at any of the monitoring points	Noise level was attributed to the processing plant within the transfer station and traffic movement at the site entrance.	Yes
29/08/2017	16:30	N1		64.4	44.3	56.3	92.4	No	No audible tonal or impulsive component in the noise at any of the monitoring points	Noise level was attributed to the processing plant within the transfer station and traffic movement at the site entrance.	Yes
29/08/2017	07:12	N1		53.2	40.2	51	62	No	No audible tonal or impulsive component in the noise at any of the monitoring points	Noise level was attributed to the traffic movement at the site entrance.	Yes
29/08/2017	03:00	N1		31.3	35.9	41.3	48	No	No audible tonal or impulsive component in the noise at any of the monitoring points	Noise level was attributed to the traffic movement at the site entrance.	Yes
29/08/2017	03:30	N1		37.9	34.5	40.4	47.7	No	No audible tonal or impulsive component in the noise at any of the monitoring points	Noise level was attributed to the traffic movement at the site entrance.	Yes
29/08/2017	14:00	N2	NSL	55.7	44.2	55.8	84.6	No	No audible tonal or impulsive component in the noise at any of the monitoring points	This noise level was attributed to the large volumes of traffic on the road.	Yes
29/08/2017	14:30	N2	NSL	56.3	42.4	58.7	75	No	No audible tonal or impulsive component in the noise at any of the monitoring points	This noise level was attributed to the large volumes of traffic on the road.	Yes
29/08/2017	15:00	N2	NSL	54.5	48.7	56.5	79.4	No	No audible tonal or impulsive component in the noise at any of the monitoring points	This noise level was attributed to the large volumes of traffic on the road.	Yes

29/08/2017	18:00	N2	NSL	56.9	43.5	53.7	64.2	No	No audible tonal or impulsive component in the noise at any of the monitoring points	This noise level was attributed to the large volumes of traffic on the road.	Yes
29/08/2017	00:30	N2	NSL	39.4	38.3	42.3	57.6	No	No audible tonal or impulsive component in the noise at any of the monitoring points	This noise level was attributed to the large volumes of traffic on the road.	Yes
29/08/2017	01:00	N2	NSL	38.6	36.9	41	56.3	No	No audible tonal or impulsive component in the noise at any of the monitoring points	This noise level was attributed to the large volumes of traffic on the road.	Yes
29/08/2017	11:30	N3		64.6	58.4	67	84	No	No audible tonal or impulsive component in the noise at any of the monitoring points	This noise level was attributed to the processing plant within the transfer station and external equipment.	Yes
29/08/2017	12:00	N3		63.9	53.2	66.6	90.4	No	No audible tonal or impulsive component in the noise at any of the monitoring points	This noise level was attributed to the processing plant within the transfer station and external equipment.	Yes
29/08/2017	12:30	N3		61.8	43.8	64.5	87.8	No	No audible tonal or impulsive component in the noise at any of the monitoring points	This noise level was attributed to the processing plant within the transfer station and external equipment.	Yes
29/08/2017	18:30	N3		56.4	42.3	48.6	59.8	No	No audible tonal or impulsive component in the noise at any of the monitoring points	This noise level was attributed to the processing plant within the transfer station and external equipment.	Yes
29/08/2017	02:00	N3		33.1	29.8	35.3	45.9	No	No audible tonal or impulsive component in the noise at any of the monitoring points	This noise level was attributed to the processing plant within the transfer station and external equipment.	Yes
29/08/2017	02:30	N3		33.7	31.1	35.9	41.3	No	No audible tonal or impulsive component in the noise at any of the monitoring points	This noise level was attributed to the processing plant within the transfer station and external equipment.	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?

operational changes

** 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:

W0197-02

Year

2017

		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	N/A

Energy Use	Previous year	Current year	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*
Total Energy Used (MWHrs)	15.3	16.6	0.08496732	
Total Energy Generated (MWHrs)	N/A	N/A	N/A	
Total Renewable Energy Generated (MWHrs)	N/A	N/A	N/A	
Electricity Consumption (MWHrs)	15.3	16.6	0.08496732	
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):	Volume used i.e not discharged to environment e.g. released as steam m3/yr	Unaccounted for Water:	
Groundwater								
Surface water								
Public supply	152	159	0.046052632	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)	23				23
Non-Hazardous (Tonnes)	22355	58	18275	3504	518

Resource Usage/Energy efficiency summary Lic No: W0197-02 Year 2017

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:	W0197-02	Year	2017
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

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 **1 is to be captured through PRTR reporting**)

If yes please enter details in table 1 below

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

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

Additional Information	
Yes	
No	
No	

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 European Waste Catalogue EWC codes	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 -
	17 01 01	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	C&D_Concrete	156.84	160.52	-2%		0%	D13- Blending or mixing prior to submission to any of the operations numbered D1 to D12	0	
	15 01 01	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Cardboard	296.64	207.62	43%	Since January 2017 Mulleady's Ltd operate Clomore recycling centre on behalf of Westmeath CoCo. This extra facility has seen an increase in cardboard on-site	100%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	0	
	20 01 39	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Hard Plastic	4.26	0.84	407%	Since January 2017 Mulleady's Ltd operate a recycling centre on behalf of Westmeath CoCo. This extra facility has seen a high increase in Hard Plastic	38%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
	20 03 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Mixed Municipal Waste (Household Black Bin Waste)	14316.66	6396.98	124%	Increase in waste entering from other waste companies	0%	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 Municipal Waste (Civic Amenity)	1589.25	1260.357	26%	Increase in customers using the Civic Amenity centre due to a closure of Mullingar Civic Amenity Centre.	0%	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 (Household Blue Bins)	1380.96	928.5	49%	Oxigen bringing in less recyclables using the capacity with their black bin waste.	38%	R5-Recycling/reclamation or other inorganic materials which includes soil celaning resuling in recovery of the soil and recycling of inorganic construction materials		
	20 03 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Mixed Dry Recyclables (Civic Amenity)	161.23	110.46	46%	Since January 2017 Mulleady's Ltd operate a recycling centre on behalf of Westmeath CoCo. This extra facility has seen a high increase in recyclables	38%	R5-Recycling/reclamation or other inorganic materials which includes soil celaning resuling in recovery of the soil and recycling of inorganic construction materials		

WASTE SUMMARY		Lic No:		W0197-02		Year		2017	
20 03 07	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Bulky Waste (Commercial)	2529.03	852.1	197%	Increased demand from commercial customers for skips.	0%	D13- Blending or mixing prior to submission to any of the operations numbered D1 to D12	
20 03 07	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Bulky Waste (Domestic)	770.638	652.09	18%	Increased demand for Skips. Householders bringing in unwanted bulky items	0%	D13- Blending or mixing prior to submission to any of the operations numbered D1 to D12	
20 02 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Green Waste	19.3	13.14	47%	Increase in green waste coming from Clonmore recycling facility	0%	D15-Storage pending any of the operations numbered D1 to D14	
20 01 02	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Glass Bottles/Jars	649.49	661.4	-2%		100%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
16 01 20	16- WASTES NOT OTHERWISE SPECIFIED IN THE LIST	Windscreen Glass	5.6	0.24	2233%	Increase in windscreen glass coming from Clonmore recycling facility	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
17 02 02	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	C&D Glass	0.06	3.06	-98%	Increase in price for disposal of C&D Glass	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
17 02 01	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Timber	52.02	51.26	1%		0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
17 08 02	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Plasterboard	4.16	3.9	7%		0%	D13- Blending or mixing prior to submission to any of the operations numbered D1 to D12	
02 01 40	02- WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND PROCESSING	Farm Plastic	2.92	6.08	-52%	More customers aware of IFFP collections.	0%	D13- Blending or mixing prior to submission to any of the operations numbered D1 to D12	
20 01 10	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Textile	1.24	0.08	1450%	Increase in customers using the Civic Amenity centre	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
20 01 36	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	WEEE	39.98	35.84	12%	Increase in customers using the Civic Amenity centre	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
16 06 01*	16- WASTES NOT OTHERWISE SPECIFIED IN THE LIST	Lead Acid Batteries	16.46	28.12	-41%	Customers availing of other outlets who pay more to dispose of LA Batteries	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
20 01 40	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Metal	171.18	115.1	49%	Increase in tonnage is due to Metal coming from Clonmore recycling centre	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	

WASTE SUMMARY	Lic No:	W0197-02	Year	2017
----------------------	---------	----------	------	------

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 m ² 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?

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

Volume of leachate in reporting year(m ³)	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 m ³	Power generated (MW / KWh)	Used on-site or to national grid	Was surface emissions monitoring performed during the reporting year?	Comments
			SELECT	



Environmental Protection Agency

| PRTR#: W0197 | Facility Name : Mulleady's Limited (Mullingar) | Filename : AER_W0197.xls | Return Year : 2017 |

22/03/2018 11:15

[Guidance to completing the PRTR workbook](#)

PRTR Returns Workbook

Version 1.1.19

REFERENCE YEAR	2017
-----------------------	------

1. FACILITY IDENTIFICATION

Parent Company Name	Mulleady's Limited
Facility Name	Mulleady's Limited (Mullingar)
PRTR Identification Number	W0197
Licence Number	W0197-02

Classes of Activity

No.	class_name
-	Refer to PRTR class activities below

Address 1	Units 16-17 Mullingar Business Park
Address 2	Mullingar
Address 3	
Address 4	
	Westmeath
Country	Ireland
Coordinates of Location	-9.17642 54.1592
River Basin District	IEGBNISH
NACE Code	3832
Main Economic Activity	Recovery of sorted materials
AER Returns Contact Name	Martina McPhillips
AER Returns Contact Email Address	m.mcphillips@mulleadys.com
AER Returns Contact Position	Environmental Waste Officer
AER Returns Contact Telephone Number	043 3324128
AER Returns Contact Mobile Phone Number	
AER Returns Contact Fax Number	
Production Volume	0.0
Production Volume Units	
Number of Installations	0
Number of Operating Hours in Year	0
Number of Employees	5
User Feedback/Comments	
Web Address	

2. PRTR CLASS ACTIVITIES

Activity Number	Activity Name
50.1	General
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?	
Have you been granted an exemption ?	
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) ?	
--	--

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

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE

|PRTR#: W0197 | Facility Name : Muleady's Limited (Mullingar) | Filename : W0197_2017.xls | Return Year : 2017 |

22/03/2018 11:17

Please enter all quantities on this sheet in Tonnes

3

Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Licence/Permit No of Next Destination Facility Non-Haz Waste: Name and Licence/Permit No of Recover/Disposer	Licence/Permit No of Next Destination Facility Non-Haz Waste: Address of Recover/Disposer	Name and License / Permit No. and Address of Final Recoverer / Disposer (HAZARDOUS WASTE ONLY)	Actual Address of Final Destination i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY)
						M/C/E	Method Used					
Within the Country	15 01 01	No	354.84	paper and cardboard packaginq	R13	M	Weighted	Offsite in Ireland	Mulleadys Waste,W0169-01	Cloonaugh,Drumlish,,Co.Lo ngford,Ireland		
Within the Country	15 01 04	No	8.66	metallic packaginq	R13	M	Weighted	Offsite in Ireland	Mulleadys Waste,W0169-01	Cloonaugh,Drumlish,,Co.Lo ngford,Ireland		
Within the Country	16 01 03	No	12.72	end-of-life tyres	R13	M	Weighted	Offsite in Ireland	Mulleadys Waste,W0169-01	Cloonaugh,Drumlish,,Co.Lo ngford,Ireland		
Within the Country	16 01 20	No	10.62	glass	R5	M	Weighted	Offsite in Ireland	John Gannon Concrete,WFP-WM-2009-0007-01	Hazelwood ,Kilbeggan,,Co.Westmeath ,Ireland		
Within the Country	16 06 01	Yes	22.94	lead batteries mixture of concrete, bricks, tiles and ceramics other than those mentioned in 17	R4	M	Weighted	Offsite in Ireland	Wilton Waste,WFP-CN-10-0005-5-01(1)	Kiffagh,Crosserlough,Ballyja mesduff,Co. Cavan,Ireland Knockmant,The	Wilton Waste,WFP-CN-10-0005-01(1),Kiffagh,Crosserlough, Ballyjamesduff,Co. Cavan,Ireland	Kiffagh,Crosserlough,Ballyja mesduff,Co. Cavan,Ireland
Within the Country	17 01 07	No	377.0	01 06	R5	M	Weighted	Offsite in Ireland	Liam Ward,WFP-WM-2016-0005-01	Downs,Mullingar,Co. Westmeath,Ireland		
Within the Country	17 02 01	No	143.88	wood	R13	M	Weighted	Offsite in Ireland	O Connor Recycling Waste Management Ltd,WFP-RN-10-0001-01	Roxborough ,,Roscommon .Co. Roscommon,Ireland		
Within the Country	17 02 01	No	71.0	wood	R3	M	Weighted	Offsite in Ireland	WH-2009-0002-01	Slanebeg,Mullingar,,Co.We stmeath,Ireland		
Within the Country	17 04 01	No	0.68	Copper	R4	M	Weighted	Offsite in Ireland	Wilton Waste,WFP-CN-10-0005-5-01(1)	Kiffagh,Crosserlough,Ballyja mesduff,Co. Cavan,Ireland		
Within the Country	17 04 02	No	6.32	aluminium	R4	M	Weighted	Offsite in Ireland	Wilton Waste,WFP-CN-10-0005-5-01(1)	Kiffagh,Crosserlough,Ballyja mesduff,Co. Cavan,Ireland		
Within the Country	20 01 02	No	553.12	glass	R5	M	Weighted	Offsite in Ireland	Rehab Glassco Limited,W0279-02	Unit 4 Osberstown Ind. Park Carragh Road,Naas,Co. Kildare,Ireland		
Within the Country	20 01 02	No	105.04	glass	R13	M	Weighted	Offsite in Ireland	Mullingar Recycling Resources Centre Centre Limited ,Co.	The Enterprise Centre,Bishopsgate Street,Mullingar Recycling Resources Centre Centre Limited ,Co. Westmeath,Ireland		
Within the Country	20 01 11	No	2.94	textiles	R5	M	Weighted	Offsite in Ireland	Textile Recycling,WPR014/2	Clon abbey Complex,Belgard,Tallaght Dublin 24,Ireland		
Within the Country	20 01 21	Yes	0.12	fluorescent tubes and other mercury- containing waste	R4	M	Weighted	Offsite in Ireland	KMK Metal Recycling,W0113-03	Cappincur Industrial Estate,Daingean Road,Tullamore .Co.Offaly,Ireland	KMK Metals Recycling Limited,W0113-04,Cappincur Industrial Estate,Daingean Rd,Tullamore,Co. Offaly,Ireland	Cappincur Industrial Estate,Daingean Rd,Tullamore,Co. Offaly,Ireland
Within the Country	20 01 36	No	50.26	WEEE	R4	M	Weighted	Offsite in Ireland	KMK Metal Recycling,W0113-03	Cappincur Industrial Estate,Daingean Road,Tullamore .Co.Offaly,Ireland		
Within the Country	20 01 38	No	10.98	wood other than that mentioned in 20 01 37	R13	M	Weighted	Offsite in Ireland	Mulleadys Waste,W0169-01	Cloonaugh,Drumlish,,Co.Lo ngford,Ireland		
Within the Country	20 01 39	No	42.4	plastics	R13	M	Weighted	Offsite in Ireland	Mulleadys Waste,W0169-01	Cloonaugh,Drumlish,,Co.Lo ngford,Ireland		
Within the Country	20 01 40	No	283.52	metals	R4	M	Weighted	Offsite in Ireland	Wilton Waste,WFP-CN-10-0005-5-01(1)	Kiffagh,Crosserlough,Ballyja mesduff,Co. Cavan,Ireland		
Within the Country	20 03 01	No	14202.08	mixed municipal waste	R12	M	Weighted	Offsite in Ireland	Oxigen Environmental,W0152-03	Robinhood Industrial Estate,Robinhood Road,Ballymount,Dublin 22,Ireland		
Within the Country	20 03 01	No	1313.36	mixed municipal waste	D10	M	Weighted	Offsite in Ireland	Indaver Ireland,W0167-02	Carranstown,,Duleek,Co. Meath,Ireland		
Within the Country	20 03 01	No	58.3	mixed municipal waste	D5	M	Weighted	Offsite in Ireland	Drehid Landfill,W0201-03	Killnagh Upper,Carbury,,Co. Kildare,Ireland		
Within the Country	20 03 01	No	1890.86	mixed municipal waste	R13	M	Weighted	Offsite in Ireland	Mulleadys Waste,W0169-01	Cloonaugh,Drumlish,,Co.Lo ngford,Ireland		
Within the Country	20 03 01	No	812.96	mixed municipal waste	R12	M	Weighted	Offsite in Ireland	AES Environmental,W0104-01	Tullamore,Co. Offaly,,Ireland		
Within the Country	20 03 01	No	2062.43	mixed municipal waste	R12	M	Weighted	Offsite in Ireland	Mulleadys Waste,W0169-01	Cloonaugh,Drumlish,,Co.Lo ngford,Ireland		
Within the Country	20 03 01	No	0.0	mixed municipal waste	R13	M	Weighted	Offsite in Ireland	Dublin City Council ,Material Recovery Facility (Operated by Nurendale),W0238-01	Merrywell ,Ballymount Road Lower,Dublin 22,,Ireland		
Within the Country	20 03 01	No	0.0	mixed municipal waste	D5	M	Weighted	Offsite in Ireland	Knocksharley Landfill Limited,W0146-02	Knocksharley,,Kenstown,Co. Meath,Ireland		
Within the Country	20 03 07	No	111.74	bulky waste	R13	M	Weighted	Offsite in Ireland	Mulleadys Waste,W0169-01	Cloonaugh,Drumlish,,Co.Lo ngford,Ireland		
Within the Country	20 01 40	No	1.2	metals cables other than those mentioned in 17 04	R4	M	Weighted	Offsite in Ireland	Mulleadys Waste,W0169-01	Cloonaugh,Drumlish,,Co.Lo ngford,Ireland		
Within the Country	17 04 11	No	0.4	10	R4	M	Weighted	Offsite in Ireland	Wilton Waste,WFP-CN-10-0005-5-01(1)	Kiffagh,Crosserlough,Ballyja mesduff,Co. Cavan,Ireland		
Within the Country	20 02 01	No	7.88	biodegradable waste	R3	M	Weighted	Offsite in Ireland	Michael Dolan Johnstown Recycling,WFP-WM-2010-0005-01	Johnstown ,Slanemore,Mullingar Co. Westmeath ,Ireland		