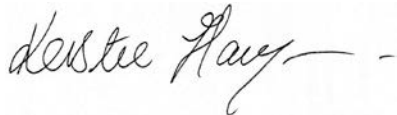


Facility Information Summary	
AER Reporting Year	2016
Licence Register Number	W0151-01
Name of site	Murphy Environmental Gormanston
Site Location	Sarsfieldstown, Gormanston, Co. Meath
NACE Code	3832
Class/Classes of Activity	3.1, 3.13, 4.3, 4.4, 4.13
National Grid Reference (6E, 6 N)	-6.25153 53.654
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 <b>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.</b>	<p>Land Restoration - Using clean construction and demolition waste - Soil &amp; Stones and Concrete, in line with licence requirements. It has been agreed with the Agency that W0151-01 is a recovery activity.</p> <p>There were no infrastructural or other significant changes during the reporting year.</p> <p>The site reached its annual tonnage limit in July 2016. Waste acceptance ceased at the site in July 2016 until year end.</p> <p>Annual monitoring was conducted during the reporting year for: noise, LF gas, dust, surface water, groundwater and leachate. There were a number of breaches of trigger levels, as detailed in the 'Complaints-Incidents' tab - all were reported as 'minor incidents' to the EPA.</p>

**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.

	24/03/2016
Kerstie Flanagan Environmental Consultant (or nominated, suitably qualified and experienced deputy)	Date

<b>AIR-summary template</b>	Lic No: W0151-01	Year: 2016
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Answer all questions and complete all tables where relevant

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

	Additional information
No	Ambient dust monitoring was conducted at 4 No. monitoring locations in Q2, 2016 (30/05/16 to 28/06/16) and Q4, 2015 (03/11/16 to 02/12/16) - there were no breaches of the dust ELV set in the licence.

<b>Periodic/Non-Continuous Monitoring</b>
---

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

SELECT	
SELECT	

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

**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 therof	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
	SELECT			SELECT		SELECT	SELECT	SELECT		
	SELECT			SELECT		SELECT	SELECT	SELECT		
	SELECT			SELECT		SELECT	SELECT	SELECT		
	SELECT			SELECT		SELECT	SELECT	SELECT		

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

<b>AIR-summary template</b>	Lic No: W0151-01	Year	2016
<b>Continuous Monitoring</b>			

<p>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)</p>	SELECT	
<p>5 Did continuous monitoring equipment experience downtime? If yes please record downtime in table A2 below</p>	SELECT	
<p>6 Do you have a proactive service agreement for each piece of continuous monitoring equipment?</p>	SELECT	
<p>7 Did your site experience any abatement system bypasses? If yes please detail them in table A3 below</p>	SELECT	

**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

<b>AIR-summary template</b>		Lic No: W0151-01	Year: 2016
<b>Solvent use and management on site</b>			
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			SELECT
<b>Table A4: Solvent Management Plan Summary</b>		<a href="#">Solvent regulations</a> Please refer to linked solvent regulations to complete table 5 and 6	
<b>Total VOC Emission limit value</b>			
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
			SELECT
			SELECT
<b>Table A5: Solvent Mass Balance summary</b>			
	(I) Inputs (kg)	(O) Outputs (kg)	
Solvent	(I) Inputs (kg)	Organic solvent emission in waste	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: W0151-01

Year

2016

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

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

No	
Yes	

**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
ST-1	upstream		Alkalinity, Total	16/06/2016	Not applicable	Not applicable	350	mg/l	Not applicable	
ST-1	upstream		Ammoniacal Nitrogen	16/06/2016	Not applicable	Not applicable	0.9	mg/l	Not applicable	
ST-1	upstream		BOD	16/06/2016	Not applicable	Not applicable	2	mg/l	Not applicable	
ST-1	upstream		Boron	16/06/2016	Not applicable	Not applicable	0.031	mg/l	Not applicable	
ST-1	upstream		Cadmium	16/06/2016	Not applicable	Not applicable	0.001	mg/l	Not applicable	
ST-1	upstream		Calcium	16/06/2016	Not applicable	Not applicable	132.2	mg/l	Not applicable	
ST-1	upstream		Chloride	16/06/2016	Not applicable	Not applicable	33.9	mg/l	Not applicable	
ST-1	upstream		Chromium, Total	16/06/2016	Not applicable	Not applicable	0.002	mg/l	Not applicable	
ST-1	upstream		COD	16/06/2016	Not applicable	Not applicable	9	mg/l	Not applicable	
ST-1	upstream		Colour	16/06/2016	Not applicable	Not applicable	N/A	N/A	Not applicable	
ST-1	upstream		Conductivity	16/06/2016	Not applicable	Not applicable	0.79	mS/cm	Not applicable	
ST-1	upstream		Copper	16/06/2016	Not applicable	Not applicable	0.007	mg/l	Not applicable	
ST-1	upstream		Cyanide, Total	16/06/2016	Not applicable	Not applicable	0.01	mg/l	Not applicable	
ST-1	upstream		Dissolved Oxygen	16/06/2016	Not applicable	Not applicable	10	mg/l	Not applicable	
ST-1	upstream		Iron	16/06/2016	Not applicable	Not applicable	0.02	mg/l	Not applicable	
ST-1	upstream		Lead	16/06/2016	Not applicable	Not applicable	0.005	mg/l	Not applicable	
ST-1	upstream		Magnesium	16/06/2016	Not applicable	Not applicable	13.900	mg/l	Not applicable	
ST-1	upstream		Manganese	16/06/2016	Not applicable	Not applicable	0.002	mg/l	Not applicable	
ST-1	upstream		Nickel	16/06/2016	Not applicable	Not applicable	0.002	mg/l	Not applicable	
ST-1	upstream		Odour	16/06/2016	Not applicable	Not applicable	N/A	N/A	Not applicable	
ST-1	upstream		Orthophosphates	16/06/2016	Not applicable	Not applicable	0.060	mg/l	Not applicable	
ST-1	upstream		pH	16/06/2016	Not applicable	Not applicable	7.800	pH units	Not applicable	
ST-1	upstream		Phosphorus, Total	16/06/2016	Not applicable	Not applicable	0.163	mg/l	Not applicable	
ST-1	upstream		Potassium	16/06/2016	Not applicable	Not applicable	1.700	mg/l	Not applicable	
ST-1	upstream		Sodium	16/06/2016	Not applicable	Not applicable	18.000	mg/l	Not applicable	
ST-1	upstream		Sulphate	16/06/2016	Not applicable	Not applicable	22.07	mg/l	Not applicable	
ST-1	upstream		Suspended Solids, Total	16/06/2016	Not applicable	Not applicable	23	mg/l	Not applicable	
ST-1	upstream		Temperature	16/06/2016	Not applicable	Not applicable	14.3	oC	Not applicable	
ST-1	upstream		Zinc	16/06/2016	Not applicable	Not applicable	0.003	mg/l	Not applicable	
ST-2	upstream		Alkalinity, Total	16/06/2016	Not applicable	Not applicable	346.00	mg/l	Not applicable	
ST-2	upstream		Ammoniacal Nitrogen	16/06/2016	Not applicable	Not applicable	0.05	mg/l	Not applicable	
ST-2	upstream		BOD	16/06/2016	Not applicable	Not applicable	1.00	mg/l	Not applicable	
ST-2	upstream		Boron	16/06/2016	Not applicable	Not applicable	0.03	mg/l	Not applicable	
ST-2	upstream		Cadmium	16/06/2016	Not applicable	Not applicable	0.00	mg/l	Not applicable	
ST-2	upstream		Calcium	16/06/2016	Not applicable	Not applicable	132.20	mg/l	Not applicable	
ST-2	upstream		Chloride	16/06/2016	Not applicable	Not applicable	33.30	mg/l	Not applicable	
ST-2	upstream		Chromium, Total	16/06/2016	Not applicable	Not applicable	0.00	mg/l	Not applicable	
ST-2	upstream		COD	16/06/2016	Not applicable	Not applicable	13.00	mg/l	Not applicable	
ST-2	upstream		Colour	16/06/2016	Not applicable	Not applicable	N/A	N/A	Not applicable	
ST-2	upstream		Conductivity	16/06/2016	Not applicable	Not applicable	0.92	mS/cm	Not applicable	
ST-2	upstream		Copper	16/06/2016	Not applicable	Not applicable	0.01	mg/l	Not applicable	
ST-2	upstream		Cyanide, Total	16/06/2016	Not applicable	Not applicable	0.01	mg/l	Not applicable	
ST-2	upstream		Dissolved Oxygen	16/06/2016	Not applicable	Not applicable	9.00	mg/l	Not applicable	
ST-2	upstream		Iron	16/06/2016	Not applicable	Not applicable	0.02	mg/l	Not applicable	
ST-2	upstream		Lead	16/06/2016	Not applicable	Not applicable	0.01	mg/l	Not applicable	
ST-2	upstream		Magnesium	16/06/2016	Not applicable	Not applicable	13.90	mg/l	Not applicable	
ST-2	upstream		Manganese	16/06/2016	Not applicable	Not applicable	0.00	mg/l	Not applicable	
ST-2	upstream		Nickel	16/06/2016	Not applicable	Not applicable	0.002	mg/l	Not applicable	
ST-2	upstream		Odour	16/06/2016	Not applicable	Not applicable	N/A	N/A	Not applicable	
ST-2	upstream		Orthophosphates	16/06/2016	Not applicable	Not applicable	0.070	mg/l	Not applicable	
ST-2	upstream		pH	16/06/2016	Not applicable	Not applicable	7.800	pH units	Not applicable	
ST-2	upstream		Phosphorus, Total	16/06/2016	Not applicable	Not applicable	0.122	mg/l	Not applicable	

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)									
		Lic No: W0151-01				Year: 2016			
ST-2	upstream	Potassium	16/06/2016	Not applicable	Not applicable	1.900	mg/l	Not applicable	
ST-2	upstream	Sodium	16/06/2016	Not applicable	Not applicable	18.900	mg/l	Not applicable	
ST-2	upstream	Sulphate	16/06/2016	Not applicable	Not applicable	22.310	mg/l	Not applicable	
ST-2	upstream	Suspended Solids, Total	16/06/2016	Not applicable	Not applicable	10.000	mg/l	Not applicable	
ST-2	upstream	Temperature	16/06/2016	Not applicable	Not applicable	13.000	oC	Not applicable	
ST-2	upstream	Zinc	16/06/2016	Not applicable	Not applicable	0.003	mg/l	Not applicable	

\*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
		NO CONTAMINATION	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

No	Additional information
----	------------------------

Was all monitoring carried out in accordance with EPA guidance and checklists for Quality of Aqueous Monitoring Data Reported to the EPA? If no please detail what areas require improvement in additional information box

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

Yes	
-----	--

**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 <sup>Note 2</sup>	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Method of analysis	Procedural reference source	Procedural reference standard number	Annual mass load (kg)	Comments
	SELECT	SELECT	SELECT		SELECT		SELECT		SELECT	SELECT	SELECT	SELECT			

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?

SELECT	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

SELECT	
--------	--

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

SELECT	
--------	--

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)

Yes	Bund testing is stipulated in W0151-01; however fuel is no longer stored on site (the plant items which required diesel are no longer on site). Bund testing has, therefore, not been required (diesel tanks are empty).
SELECT	
SELECT	
SELECT	
SELECT	
SELECT	
SELECT	

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

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

Bund/Containment structure ID	Type	Specify Other type	Product containment	Actual capacity	Capacity required*	Type of integrity test	Other test type	Test date	Integrity reports maintained on site?	Results of test	Integrity test failure explanation <50 words	Corrective action taken	Scheduled date for retest	Results of retest (if in current reporting year)
	SELECT					SELECT			SELECT	SELECT		SELECT		
	SELECT					SELECT			SELECT	SELECT		SELECT		

\* Capacity required should comply with 25% or 100% 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?

[bundings and storage guidelines](#)

- 15
- 16 Are channels/transfer systems to remote containment systems tested?
- 17 Are channels/transfer systems compliant in both integrity and available volume?

Commentary	
SELECT	
SELECT	
SELECT	

**Pipeline/underground structure testing**

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

2 Please provide integrity testing frequency period

\*please note integrity testing means water tightness testing for process and foul pipelines (as required under your licence)

SELECT	
SELECT	

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

Structure ID	Type system	Material of construction:	Does this structure have Secondary containment?	Type of secondary containment	Type integrity testing	Integrity reports maintained on site?	Results of test	Integrity test failure explanation <50 words	Corrective action taken	Scheduled date for retest	Results of retest (if in current reporting year)
	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT				SELECT

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



<b>Groundwater/Soil monitoring template</b>	Lic No: W0151-01	Year: 2016
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		Comments
1	Are you required to carry out groundwater monitoring as part of your licence requirements?	yes
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 <a href="#">Groundwater monitoring Report</a> (link in cell G8) and submit separately through ALDER as a licensee return AND answer questions 5-12 below.	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	
8	Is there a licence condition to carry out/update ELRA for the site?	N/A
9	Has any type of risk assessment been carried out for the site?	
10	Has a Conceptual Site Model been developed for the site?	N/A
11	Have potential receptors been identified on and off site?	
12	Is there evidence that contamination is migrating offsite?	N/A

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

Groundwater is monitored on a quarterly basis and a quarterly report submitted to the Agency. Results were generally in conformance with relevant limit values and the EPA trigger levels set for the site. There were a number of breaches of trigger levels/ELVs reported to the Agency as minor incidents during the reporting year (detailed in 'Incidents' tab). Exceedances relative to trigger levels/ELVs are thought to be largely related to external sources, and not as a result of the operation of the subject facility.

**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
03/03/2016 10/08/2016	MW-18	Ammoniacal Nitrogen	Lab analysis	Biannual	0.090	0.060	mg/l NH4-N	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-18	Chloride	Lab analysis	Biannual	47.400	46.250	mg/l	W0151-01 EPA Trigger Level	70	No
03/03/2016 10/08/2016	MW-18	Phenols, Total	Lab analysis	Biannual	0.100	0.100	mg/l	W0151-01 EPA Trigger Level	0.1	No
03/03/2016 10/08/2016	MW-18	Sulphate	Lab analysis	Biannual	48.630	48.240	mg/l	W0151-01 EPA Trigger Level	140	No
03/03/2016 10/08/2016	MW-18	Total Organic Carbon	Lab analysis	Biannual	2.000	2.000	mg/l	W0151-01 EPA Trigger Level	50	No
03/03/2016 10/08/2016	MW-18	Colour	Field analysis	Biannual	N/A	N/A	N/A	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-18	Conductivity	Field analysis	Biannual	0.360	0.350	mS/cm	W0151-01 EPA Trigger Level	1	No
03/03/2016 10/08/2016	MW-18	Dissolved Oxygen	Field analysis	Biannual	3.000	3.000	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-18	Level, Water	Field analysis	Biannual	13.440	11.785	mOD	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-18	Odour	Field analysis	Biannual	N/A	N/A	N/A	W0151-01 EPA Trigger Level	N/A	No

Groundwater/Soil monitoring template				Lic No:	W0151-01	Year	2016			
03/03/2016 10/08/2016	MW-18	pH	Field analysis	Biannual	8.300	8.200	pH	W0151-01 EPA Trigger Level	6<pH<9	No
03/03/2016 10/08/2016	MW-18	Temperature	Field analysis	Biannual	11.600	10.500	oC	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-18	Alkalinity, Total	Lab analysis	Biannual	76.000	76.000	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-18	Boron	Lab analysis	Biannual	0.012	0.012	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-18	Cadmium	Lab analysis	Biannual	0.001	0.001	mg/l	W0151-01 EPA Trigger Level	0.004	No
03/03/2016 10/08/2016	MW-18	Calcium	Lab analysis	Biannual	32.000	32.000	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-18	Chromium, Total	Lab analysis	Biannual	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-18	Coliforms, Faecal	Lab analysis	Biannual	1.000	1.000	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-18	Coliforms, Total	Lab analysis	Biannual	1.000	1.000	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-18	Copper	Lab analysis	Biannual	0.007	0.007	mg/l	W0151-01 EPA Trigger Level	0.5	No
03/03/2016 10/08/2016	MW-18	Cyanide	Lab analysis	Biannual	0.010	0.010	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-18	Fluoride	Lab analysis	Biannual	0.300	0.300	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-18	Iron	Lab analysis	Biannual	0.020	0.020	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-18	Lead	Lab analysis	Biannual	0.005	0.005	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-18	Magnesium	Lab analysis	Biannual	1.800	1.800	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-18	Manganese	Lab analysis	Biannual	0.164	0.164	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-18	Mercury	Lab analysis	Biannual	0.001	0.001	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-18	Nickel	Lab analysis	Biannual	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-18	Orthophospha tes	Lab analysis	Biannual	0.060	0.060	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-18	Phosphorous, Total	Lab analysis	Biannual	0.139	0.139	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-18	Potassium	Lab analysis	Biannual	1.900	1.900	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-18	Residue on Evaporation	Lab analysis	Biannual	360.000	360.000	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-18	Sodium	Lab analysis	Biannual	40.300	40.300	mg/l	W0151-01 EPA Trigger Level	80	No
03/03/2016 10/08/2016	MW-18	Total Oxidized Nitrogen	Lab analysis	Biannual	0.200	0.200	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-18	Zinc	Lab analysis	Biannual	0.003	0.003	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-19	Ammoniacal Nitrogen	Lab analysis	Biannual	0.090	0.060	mg/l NH4-N	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-19	Chloride	Lab analysis	Biannual	45.700	39.150	mg/l	W0151-01 EPA Trigger Level	70	No
03/03/2016 10/08/2016	MW-19	Phenols, Total	Lab analysis	Biannual	0.100	0.100	mg/l	W0151-01 EPA Trigger Level	0.1	No
03/03/2016 10/08/2016	MW-19	Sulphate	Lab analysis	Biannual	100.410	97.975	mg/l	W0151-01 EPA Trigger Level	140	No

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03/03/2016 10/08/2016	MW-19	Total Organic Carbon	Lab analysis	Biannual	2.000	2.000	mg/l	W0151-01 EPA Trigger Level	50	No
03/03/2016 10/08/2016	MW-19	Colour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-19	Conductivity	Field analysis	Biannual	0.960	0.950	mS/cm	W0151-01 EPA Trigger Level	1	No
03/03/2016 10/08/2016	MW-19	Dissolved Oxygen	Field analysis	Biannual	4.000	4.000	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-19	Level, Water	Field analysis	Biannual	13.560	12.505	mOD	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-19	Odour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-19	pH	Field analysis	Biannual	7.600	7.400	pH	W0151-01 EPA Trigger Level	6<pH<9	No
03/03/2016 10/08/2016	MW-19	Temperature	Field analysis	Biannual	12.800	11.300	oC	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-19	Alkalinity, Total	Lab analysis	Biannual	380.000	380.000	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-19	Boron	Lab analysis	Biannual	0.047	0.047	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-19	Cadmium	Lab analysis	Biannual	0.001	0.001	mg/l	W0151-01 EPA Trigger Level	0.004	No
03/03/2016 10/08/2016	MW-19	Calcium	Lab analysis	Biannual	168.900	168.900	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-19	Chromium, Total	Lab analysis	Biannual	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-19	Coliforms, Faecal	Lab analysis	Biannual	15.000	15.000	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-19	Coliforms, Total	Lab analysis	Biannual	2.000	2.000	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-19	Copper	Lab analysis	Biannual	0.007	0.007	mg/l	W0151-01 EPA Trigger Level	0.5	No
03/03/2016 10/08/2016	MW-19	Cyanide	Lab analysis	Biannual	0.010	0.010	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-19	Fluoride	Lab analysis	Biannual	0.300	0.300	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-19	Iron	Lab analysis	Biannual	0.020	0.020	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-19	Lead	Lab analysis	Biannual	0.005	0.005	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-19	Magnesium	Lab analysis	Biannual	17.200	17.200	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-19	Manganese	Lab analysis	Biannual	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-19	Mercury	Lab analysis	Biannual	0.001	0.001	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-19	Nickel	Lab analysis	Biannual	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-19	Orthophosphates	Lab analysis	Biannual	0.060	0.060	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-19	Phosphorous, Total	Lab analysis	Biannual	0.494	0.494	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-19	Potassium	Lab analysis	Biannual	3.600	3.600	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-19	Residue on Evaporation	Lab analysis	Biannual	1134.000	1134.000	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-19	Sodium	Lab analysis	Biannual	27.100	27.100	mg/l	W0151-01 EPA Trigger Level	80	No
03/03/2016 10/08/2016	MW-19	Total Oxidized Nitrogen	Lab analysis	Biannual	3.600	3.600	mg/l	W0151-01 EPA Trigger Level	N/A	No

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03/03/2016 10/08/2016	MW-19	Zinc	Lab analysis	Biannual	0.003	0.003	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-21	Ammoniacal Nitrogen	Lab analysis	Quarterly	0.240	0.105	mg/l NH4-N	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-21	Chloride	Lab analysis	Quarterly	75.200	71.200	mg/l	W0151-01 EPA Trigger Level	70	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-21	Phenols, Total	Lab analysis	Quarterly	0.100	0.100	mg/l	W0151-01 EPA Trigger Level	0.1	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-21	Sulphate	Lab analysis	Quarterly	216.370	166.233	mg/l	W0151-01 EPA Trigger Level	140	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-21	Total Organic Carbon	Lab analysis	Quarterly	7.000	3.500	mg/l	W0151-01 EPA Trigger Level	50	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-21	Colour	Field analysis	Quarterly	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-21	Conductivity	Field analysis	Quarterly	1.580	1.318	mS/cm	W0151-01 EPA Trigger Level	1	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-21	Dissolved Oxygen	Field analysis	Quarterly	8.000	6.000	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-21	Level, Water	Field analysis	Quarterly	12.880	11.125	mOD	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-21	Odour	Field analysis	Quarterly	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-21	pH	Field analysis	Quarterly	7.900	7.575	pH	W0151-01 EPA Trigger Level	6<pH<9	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-21	Temperature	Field analysis	Quarterly	14.600	12.325	oC	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-21	Alkalinity, Total	Lab analysis	Quarterly	1476.000	1476.000	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-21	Boron	Lab analysis	Quarterly	0.050	0.050	mg/l	W0151-01 EPA Trigger Level	N/A	No

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03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-21	Cadmium	Lab analysis	Quarterly	0.001	0.001	mg/l	W0151-01 EPA Trigger Level	0.004	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-21	Calcium	Lab analysis	Quarterly	203.800	203.800	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-21	Chromium, Total	Lab analysis	Quarterly	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-21	Coliforms, Faecal	Lab analysis	Quarterly	1.000	1.000	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-21	Coliforms, Total	Lab analysis	Quarterly	1.000	1.000	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-21	Copper	Lab analysis	Quarterly	0.007	0.007	mg/l	W0151-01 EPA Trigger Level	0.5	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-21	Cyanide	Lab analysis	Quarterly	0.010	0.010	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-21	Fluoride	Lab analysis	Quarterly	0.300	0.300	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-21	Iron	Lab analysis	Quarterly	0.020	0.020	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-21	Lead	Lab analysis	Quarterly	0.005	0.005	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-21	Magnesium	Lab analysis	Quarterly	0.000	0.000	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-21	Manganese	Lab analysis	Quarterly	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-21	Mercury	Lab analysis	Quarterly	0.001	0.001	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-21	Nickel	Lab analysis	Quarterly	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-21	Orthophospha tes	Lab analysis	Quarterly	0.060	0.060	mg/l	W0151-01 EPA Trigger Level	N/A	No

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03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-21	Phosphorous, Total	Lab analysis	Quarterly	5.774	5.774	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-21	Potassium	Lab analysis	Quarterly	3.800	3.800	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-21	Residue on Evaporation	Lab analysis	Quarterly	9476.000	9476.000	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-21	Sodium	Lab analysis	Quarterly	50.600	50.600	mg/l	W0151-01 EPA Trigger Level	80	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-21	Total Oxidized Nitrogen	Lab analysis	Quarterly	11.900	11.900	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-21	Zinc	Lab analysis	Quarterly	0.003	0.003	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-24	Ammoniacal Nitrogen	Lab analysis	Biannual	0.030	0.030	mg/l NH4-N	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-24	Chloride	Lab analysis	Biannual	38.400	35.000	mg/l	W0151-01 EPA Trigger Level	70	No
03/03/2016 10/08/2016	MW-24	Phenols, Total	Lab analysis	Biannual	0.100	0.100	mg/l	W0151-01 EPA Trigger Level	0.1	No
03/03/2016 10/08/2016	MW-24	Sulphate	Lab analysis	Biannual	31.030	30.940	mg/l	W0151-01 EPA Trigger Level	140	No
03/03/2016 10/08/2016	MW-24	Total Organic Carbon	Lab analysis	Biannual	2.000	2.000	mg/l	W0151-01 EPA Trigger Level	50	No
03/03/2016 10/08/2016	MW-24	Colour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-24	Conductivity	Field analysis	Biannual	0.840	0.820	mS/cm	W0151-01 EPA Trigger Level	1	No
03/03/2016 10/08/2016	MW-24	Dissolved Oxygen	Field analysis	Biannual	6.000	6.000	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-24	Level, Water	Field analysis	Biannual	13.010	11.135	mOD	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-24	Odour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-24	pH	Field analysis	Biannual	7.700	7.500	pH	W0151-01 EPA Trigger Level	6<pH<9	No
03/03/2016 10/08/2016	MW-24	Temperature	Field analysis	Biannual	11.800	10.650	oC	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-24	Alkalinity, Total	Lab analysis	Biannual	338.000	338.000	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-24	Boron	Lab analysis	Biannual	0.025	0.025	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-24	Cadmium	Lab analysis	Biannual	0.001	0.001	mg/l	W0151-01 EPA Trigger Level	0.004	No
03/03/2016 10/08/2016	MW-24	Calcium	Lab analysis	Biannual	147.400	147.400	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-24	Chromium, Total	Lab analysis	Biannual	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No

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03/03/2016 10/08/2016	MW-24	Coliforms, Faecal	Lab analysis	Biannual	122.000	122.000	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-24	Coliforms, Total	Lab analysis	Biannual	4.000	4.000	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-24	Copper	Lab analysis	Biannual	0.007	0.007	mg/l	W0151-01 EPA Trigger Level	0.5	No
03/03/2016 10/08/2016	MW-24	Cyanide	Lab analysis	Biannual	0.010	0.010	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-24	Fluoride	Lab analysis	Biannual	0.300	0.300	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-24	Iron	Lab analysis	Biannual	0.020	0.020	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-24	Lead	Lab analysis	Biannual	0.005	0.005	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-24	Magnesium	Lab analysis	Biannual	11.500	11.500	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-24	Manganese	Lab analysis	Biannual	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-24	Mercury	Lab analysis	Biannual	0.001	0.001	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-24	Nickel	Lab analysis	Biannual	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-24	Orthophosphates	Lab analysis	Biannual	0.060	0.060	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-24	Phosphorous, Total	Lab analysis	Biannual	0.242	0.242	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-24	Potassium	Lab analysis	Biannual	3.200	3.200	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-24	Residue on Evaporation	Lab analysis	Biannual	720.000	720.000	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-24	Sodium	Lab analysis	Biannual	24.100	24.100	mg/l	W0151-01 EPA Trigger Level	80	No
03/03/2016 10/08/2016	MW-24	Total Oxidized Nitrogen	Lab analysis	Biannual	5.000	5.000	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-24	Zinc	Lab analysis	Biannual	0.003	0.003	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-25	Ammoniacal Nitrogen	Lab analysis	Biannual	0.030	0.030	mg/l NH4-N	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-25	Chloride	Lab analysis	Biannual	37.200	35.350	mg/l	W0151-01 EPA Trigger Level	70	No
03/03/2016 10/08/2016	MW-25	Phenols, Total	Lab analysis	Biannual	0.100	0.100	mg/l	W0151-01 EPA Trigger Level	0.1	No
03/03/2016 10/08/2016	MW-25	Sulphate	Lab analysis	Biannual	30.010	29.280	mg/l	W0151-01 EPA Trigger Level	140	No
03/03/2016 10/08/2016	MW-25	Total Organic Carbon	Lab analysis	Biannual	2.000	2.000	mg/l	W0151-01 EPA Trigger Level	50	No
03/03/2016 10/08/2016	MW-25	Colour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-25	Conductivity	Field analysis	Biannual	0.860	0.845	mS/cm	W0151-01 EPA Trigger Level	1	No
03/03/2016 10/08/2016	MW-25	Dissolved Oxygen	Field analysis	Biannual	7.000	7.000	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-25	Level, Water	Field analysis	Biannual	11.970	10.065	mOD	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-25	Odour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-25	pH	Field analysis	Biannual	7.600	7.500	pH	W0151-01 EPA Trigger Level	6<pH<9	No

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03/03/2016 10/08/2016	MW-25	Temperature	Field analysis	Biannual	13.600	11.300	oC	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-25	Alkalinity, Total	Lab analysis	Biannual	344.000	344.000	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-25	Boron	Lab analysis	Biannual	0.012	0.012	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-25	Cadmium	Lab analysis	Biannual	0.001	0.001	mg/l	W0151-01 EPA Trigger Level	0.004	No
03/03/2016 10/08/2016	MW-25	Calcium	Lab analysis	Biannual	133.200	133.200	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-25	Chromium, Total	Lab analysis	Biannual	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-25	Coliforms, Faecal	Lab analysis	Biannual	1.000	1.000	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-25	Coliforms, Total	Lab analysis	Biannual	16.000	16.000	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-25	Copper	Lab analysis	Biannual	0.007	0.007	mg/l	W0151-01 EPA Trigger Level	0.5	No
03/03/2016 10/08/2016	MW-25	Cyanide	Lab analysis	Biannual	0.010	0.010	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-25	Fluoride	Lab analysis	Biannual	0.300	0.300	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-25	Iron	Lab analysis	Biannual	0.020	0.020	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-25	Lead	Lab analysis	Biannual	0.050	0.050	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-25	Magnesium	Lab analysis	Biannual	11.800	11.800	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-25	Manganese	Lab analysis	Biannual	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-25	Mercury	Lab analysis	Biannual	0.001	0.001	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-25	Nickel	Lab analysis	Biannual	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-25	Orthophospha tes	Lab analysis	Biannual	0.060	0.060	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-25	Phosphorous, Total	Lab analysis	Biannual	0.541	0.541	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-25	Potassium	Lab analysis	Biannual	3.400	3.400	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-25	Residue on Evaporation	Lab analysis	Biannual	631.000	631.000	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-25	Sodium	Lab analysis	Biannual	22.200	22.200	mg/l	W0151-01 EPA Trigger Level	80	No
03/03/2016 10/08/2016	MW-25	Total Oxidized Nitrogen	Lab analysis	Biannual	4.900	4.900	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-25	Zinc	Lab analysis	Biannual	0.003	0.003	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	TW-2	Ammoniacal Nitrogen	Lab analysis	Biannual	5.580	5.560	mg/l NH4-N	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	TW-2	Chloride	Lab analysis	Biannual	26.400	25.600	mg/l	W0151-01 EPA Trigger Level	70	No
03/03/2016 10/08/2016	TW-2	Phenols, Total	Lab analysis	Biannual	0.100	0.100	mg/l	W0151-01 EPA Trigger Level	0.1	No
03/03/2016 10/08/2016	TW-2	Sulphate	Lab analysis	Biannual	7.990	4.070	mg/l	W0151-01 EPA Trigger Level	140	No
03/03/2016 10/08/2016	TW-2	Total Organic Carbon	Lab analysis	Biannual	2.000	2.000	mg/l	W0151-01 EPA Trigger Level	50	No



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03/03/2016 10/08/2016	TW-2	Colour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	TW-2	Conductivity	Field analysis	Biannual	0.330	0.320	mS/cm	W0151-01 EPA Trigger Level	1	No
03/03/2016 10/08/2016	TW-2	Dissolved Oxygen	Field analysis	Biannual	5.000	5.000	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	TW-2	Level, Water	Field analysis	Biannual	14.300	12.840	mOD	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	TW-2	Odour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	TW-2	pH	Field analysis	Biannual	9.200	9.150	pH	W0151-01 EPA Trigger Level	6<pH<9	No
03/03/2016 10/08/2016	TW-2	Temperature	Field analysis	Biannual	11.800	10.750	oC	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	TW-2	Boron	Lab analysis	Biannual	0.025	0.025	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	TW-2	Cadmium	Lab analysis	Biannual	0.001	0.001	mg/l	W0151-01 EPA Trigger Level	0.004	No
03/03/2016 10/08/2016	TW-2	Calcium	Lab analysis	Biannual	7.900	7.900	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	TW-2	Chromium, Total	Lab analysis	Biannual	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	TW-2	Coliforms, Faecal	Lab analysis	Biannual	28.000	28.000	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	TW-2	Coliforms, Total	Lab analysis	Biannual	87.000	87.000	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	TW-2	Copper	Lab analysis	Biannual	0.007	0.007	mg/l	W0151-01 EPA Trigger Level	0.5	No
03/03/2016 10/08/2016	TW-2	Cyanide	Lab analysis	Biannual	0.010	0.010	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	TW-2	Fluoride	Lab analysis	Biannual	0.300	0.300	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	TW-2	Iron	Lab analysis	Biannual	0.020	0.020	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	TW-2	Lead	Lab analysis	Biannual	0.005	0.005	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	TW-2	Magnesium	Lab analysis	Biannual	10.500	10.500	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	TW-2	Manganese	Lab analysis	Biannual	0.032	0.032	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	TW-2	Mercury	Lab analysis	Biannual	0.001	0.001	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	TW-2	Nickel	Lab analysis	Biannual	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	TW-2	Orthophospha tes	Lab analysis	Biannual	0.060	0.060	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	TW-2	Potassium	Lab analysis	Biannual	4.600	4.600	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	TW-2	Residue on Evaporation	Lab analysis	Biannual	194.000	194.000	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	TW-2	Sodium	Lab analysis	Biannual	31.500	31.500	mg/l	W0151-01 EPA Trigger Level	80	No
03/03/2016 10/08/2016	TW-2	Alkalinity, Total	Lab analysis	Biannual	118.000	118.000	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	TW-2	Total Oxidized Nitrogen	Lab analysis	Biannual	0.200	0.200	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	TW-2	Phosphorous, Total	Lab analysis	Biannual	0.077	0.077	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	TW-2	Zinc	Lab analysis	Biannual	0.003	0.003	mg/l	W0151-01 EPA Trigger Level	N/A	No

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	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
03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-1	Ammoniacal Nitrogen	Lab analysis	Quarterly	1.550	0.623	mg/l NH4-N	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-1	Chloride	Lab analysis	Quarterly	44.600	28.875	mg/l	W0151-01 EPA Trigger Level	70	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-1	Phenols, Total	Lab analysis	Quarterly	0.100	0.100	mg/l	W0151-01 EPA Trigger Level	0.1	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-1	Sulphate	Lab analysis	Quarterly	42.670	26.293	mg/l	W0151-01 EPA Trigger Level	140	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-1	Total Organic Carbon	Lab analysis	Quarterly	3.000	2.500	mg/l	W0151-01 EPA Trigger Level	50	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-1	Colour	Field analysis	Quarterly	N/A	N/A	N/A	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-1	Conductivity	Field analysis	Quarterly	0.900	0.623	mS/cm	W0151-01 EPA Trigger Level	1	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-1	Dissolved Oxygen	Field analysis	Quarterly	7.000	6.667	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-1	Level, Water	Field analysis	Quarterly	15.090	14.993	mOD	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-1	Odour	Field analysis	Quarterly	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-1	pH	Field analysis	Quarterly	8.300	8.050	pH	W0151-01 EPA Trigger Level	6<pH<9	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-1	Temperature	Field analysis	Quarterly	15.200	13.588	oC	W0151-01 EPA Trigger Level	N/A	No

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03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-1	Alkalinity, Total	Lab analysis	Quarterly	116.000	116.000	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-1	Boron	Lab analysis	Quarterly	0.030	0.030	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-1	Cadmium	Lab analysis	Quarterly	0.001	0.001	mg/l	W0151-01 EPA Trigger Level	0.004	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-1	Calcium	Lab analysis	Quarterly	40.000	40.000	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-1	Chromium, Total	Lab analysis	Quarterly	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-1	Coliforms, Faecal	Lab analysis	Quarterly	69.000	69.000	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-1	Coliforms, Total	Lab analysis	Quarterly	100.000	100.000	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-1	Copper	Lab analysis	Quarterly	0.007	0.007	mg/l	W0151-01 EPA Trigger Level	0.5	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-1	Cyanide	Lab analysis	Quarterly	0.010	0.010	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-1	Fluoride	Lab analysis	Quarterly	0.300	0.300	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-1	Iron	Lab analysis	Quarterly	0.020	0.020	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-1	Lead	Lab analysis	Quarterly	0.005	0.005	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-1	Magnesium	Lab analysis	Quarterly	6.100	6.100	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-1	Manganese	Lab analysis	Quarterly	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-1	Mercury	Lab analysis	Quarterly	0.001	0.001	mg/l	W0151-01 EPA Trigger Level	N/A	No

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03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-1	Nickel	Lab analysis	Quarterly	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-1	Orthophosphates	Lab analysis	Quarterly	0.060	0.060	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-1	Phosphorous, Total	Lab analysis	Quarterly	0.098	0.098	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-1	Potassium	Lab analysis	Quarterly	4.500	4.500	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-1	Residue on Evaporation	Lab analysis	Quarterly	250.000	250.000	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-1	Sodium	Lab analysis	Quarterly	17.200	17.200	mg/l	W0151-01 EPA Trigger Level	80	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-1	Total Oxidized Nitrogen	Lab analysis	Quarterly	0.700	0.700	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-1	Zinc	Lab analysis	Quarterly	0.003	0.003	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-2	Ammoniacal Nitrogen	Lab analysis	Biannual	0.050	0.040	mg/l NH4-N	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-2	Chloride	Lab analysis	Biannual	47.400	37.600	mg/l	W0151-01 EPA Trigger Level	70	No
03/03/2016 10/08/2016	MW-2	Phenols, Total	Lab analysis	Biannual	0.100	0.100	mg/l	W0151-01 EPA Trigger Level	0.1	No
03/03/2016 10/08/2016	MW-2	Sulphate	Lab analysis	Biannual	33.820	28.450	mg/l	W0151-01 EPA Trigger Level	140	No
03/03/2016 10/08/2016	MW-2	Total Organic Carbon	Lab analysis	Biannual	2.000	2.000	mg/l	W0151-01 EPA Trigger Level	50	No
03/03/2016 10/08/2016	MW-2	Colour	Field analysis	Biannual	N/A	N/A	N/A	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-2	Conductivity	Field analysis	Biannual	0.290	0.260	mS/cm	W0151-01 EPA Trigger Level	1	No
03/03/2016 10/08/2016	MW-2	Dissolved Oxygen	Field analysis	Biannual	3.000	3.000	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-2	Level, Water	Field analysis	Biannual	12.040	11.970	mOD	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-2	Odour	Field analysis	Biannual	N/A	N/A	N/A	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-2	pH	Field analysis	Biannual	9.000	8.800	pH	W0151-01 EPA Trigger Level	6<pH<9	No
03/03/2016 10/08/2016	MW-2	Temperature	Field analysis	Biannual	15.900	13.450	oC	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-2	Alkalinity, Total	Lab analysis	Biannual	62.000	62.000	mg/l	W0151-01 EPA Trigger Level	N/A	No

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03/03/2016 10/08/2016	MW-2	Boron	Lab analysis	Biannual	0.012	0.012	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-2	Cadmium	Lab analysis	Biannual	0.001	0.001	mg/l	W0151-01 EPA Trigger Level	0.004	No
03/03/2016 10/08/2016	MW-2	Calcium	Lab analysis	Biannual	29.300	29.300	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-2	Chromium, Total	Lab analysis	Biannual	1.500	1.500	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-2	Coliforms, Faecal	Lab analysis	Biannual	23.000	23.000	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-2	Coliforms, Total	Lab analysis	Biannual	1.000	1.000	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-2	Copper	Lab analysis	Biannual	0.007	0.007	mg/l	W0151-01 EPA Trigger Level	0.5	No
03/03/2016 10/08/2016	MW-2	Cyanide	Lab analysis	Biannual	0.010	0.010	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-2	Fluoride	Lab analysis	Biannual	0.300	0.300	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-2	Iron	Lab analysis	Biannual	0.032	0.032	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-2	Lead	Lab analysis	Biannual	0.005	0.005	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-2	Magnesium	Lab analysis	Biannual	7.400	7.400	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-2	Manganese	Lab analysis	Biannual	0.130	0.130	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-2	Mercury	Lab analysis	Biannual	0.001	0.001	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-2	Nickel	Lab analysis	Biannual	0.020	0.020	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-2	Orthophospha tes	Lab analysis	Biannual	0.060	0.060	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-2	Phosphorous, Total	Lab analysis	Biannual	0.237	0.237	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-2	Potassium	Lab analysis	Biannual	2.800	2.800	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-2	Residue on Evaporation	Lab analysis	Biannual	497.000	497.000	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-2	Sodium	Lab analysis	Biannual	20.900	20.900	mg/l	W0151-01 EPA Trigger Level	80	No
03/03/2016 10/08/2016	MW-2	Total Oxidized Nitrogen	Lab analysis	Biannual	0.200	0.200	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-2	Zinc	Lab analysis	Biannual	0.003	0.003	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-3	Ammoniacal Nitrogen	Lab analysis	Biannual	0.040	0.040	mg/l NH4-N	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-3	Chloride	Lab analysis	Biannual	12.600	12.450	mg/l	W0151-01 EPA Trigger Level	70	No
03/03/2016 10/08/2016	MW-3	Phenols, Total	Lab analysis	Biannual	0.100	0.100	mg/l	W0151-01 EPA Trigger Level	0.1	No
03/03/2016 10/08/2016	MW-3	Sulphate	Lab analysis	Biannual	27.250	23.725	mg/l	W0151-01 EPA Trigger Level	140	No
03/03/2016 10/08/2016	MW-3	Total Organic Carbon	Lab analysis	Biannual	2.000	2.000	mg/l	W0151-01 EPA Trigger Level	50	No
03/03/2016 10/08/2016	MW-3	Colour	Field analysis	Biannual	N/A	N/A	N/A	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-3	Conductivity	Field analysis	Biannual	0.610	0.550	mS/cm	W0151-01 EPA Trigger Level	1	No

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03/03/2016 10/08/2016	MW-3	Dissolved Oxygen	Field analysis	Biannual	4.000	4.000	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-3	Level, Water	Field analysis	Biannual	12.030	10.475	mOD	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-3	Odour	Field analysis	Biannual	N/A	N/A	N/A	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-3	pH	Field analysis	Biannual	8.000	7.800	pH	W0151-01 EPA Trigger Level	6<pH<9	No
03/03/2016 10/08/2016	MW-3	Temperature	Field analysis	Biannual	13.000	11.350	oC	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-3	Alkalinity, Total	Lab analysis	Biannual	230.000	230.000	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-3	Boron	Lab analysis	Biannual	0.020	0.020	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-3	Cadmium	Lab analysis	Biannual	0.001	0.001	mg/l	W0151-01 EPA Trigger Level	0.004	No
03/03/2016 10/08/2016	MW-3	Calcium	Lab analysis	Biannual	89.100	89.100	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-3	Chromium, Total	Lab analysis	Biannual	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-3	Coliforms, Faecal	Lab analysis	Biannual	30.000	30.000	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-3	Coliforms, Total	Lab analysis	Biannual	1.000	1.000	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-3	Copper	Lab analysis	Biannual	N/A	N/A	mg/l	W0151-01 EPA Trigger Level	0.5	No
03/03/2016 10/08/2016	MW-3	Cyanide	Lab analysis	Biannual	0.010	0.010	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-3	Fluoride	Lab analysis	Biannual	0.300	0.300	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-3	Iron	Lab analysis	Biannual	0.020	0.020	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-3	Lead	Lab analysis	Biannual	0.005	0.005	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-3	Magnesium	Lab analysis	Biannual	6.200	6.200	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-3	Manganese	Lab analysis	Biannual	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-3	Mercury	Lab analysis	Biannual	0.001	0.001	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-3	Nickel	Lab analysis	Biannual	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-3	Orthophosphates	Lab analysis	Biannual	0.130	0.130	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-3	Phosphorous, Total	Lab analysis	Biannual	0.099	0.099	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-3	Potassium	Lab analysis	Biannual	3.200	3.200	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-3	Residue on Evaporation	Lab analysis	Biannual	321.000	321.000	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-3	Sodium	Lab analysis	Biannual	9.100	9.100	mg/l	W0151-01 EPA Trigger Level	80	No
03/03/2016 10/08/2016	MW-3	Total Oxidized Nitrogen	Lab analysis	Biannual	0.900	0.900	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-3	Zinc	Lab analysis	Biannual	0.003	0.003	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-4	Ammoniacal Nitrogen	Lab analysis	Biannual	0.950	0.950	mg/l NH4-N	W0151-01 EPA Trigger Level	N/A	No

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03/03/2016 10/08/2016	MW-4	Chloride	Lab analysis	Biannual	42.600	42.600	mg/l	W0151-01 EPA Trigger Level	70	No
03/03/2016 10/08/2016	MW-4	Phenols, Total	Lab analysis	Biannual	0.100	0.100	mg/l	W0151-01 EPA Trigger Level	0.1	No
03/03/2016 10/08/2016	MW-4	Sulphate	Lab analysis	Biannual	50.640	50.640	mg/l	W0151-01 EPA Trigger Level	140	No
03/03/2016 10/08/2016	MW-4	Total Organic Carbon	Lab analysis	Biannual	2.000	2.000	mg/l	W0151-01 EPA Trigger Level	50	No
03/03/2016 10/08/2016	MW-4	Colour	Field analysis	Biannual	N/A	N/A	N/A	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-4	Conductivity	Field analysis	Biannual	0.950	0.950	mS/cm	W0151-01 EPA Trigger Level	1	No
03/03/2016 10/08/2016	MW-4	Dissolved Oxygen	Field analysis	Biannual	0.000	N/A	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-4	Level, Water	Field analysis	Biannual	12.020	12.020	mOD	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-4	Odour	Field analysis	Biannual	N/A	N/A	N/A	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-4	pH	Field analysis	Biannual	7.300	7.300	pH	W0151-01 EPA Trigger Level	6<pH<9	No
03/03/2016 10/08/2016	MW-4	Temperature	Field analysis	Biannual	10.300	10.300	oC	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-4	Alkalinity, Total	Lab analysis	Biannual	0.000	N/A	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-4	Boron	Lab analysis	Biannual	0.000	N/A	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-4	Cadmium	Lab analysis	Biannual	0.000	N/A	mg/l	W0151-01 EPA Trigger Level	0.004	No
03/03/2016 10/08/2016	MW-4	Calcium	Lab analysis	Biannual	0.000	N/A	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-4	Chromium, Total	Lab analysis	Biannual	0.000	N/A	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-4	Coliforms, Faecal	Lab analysis	Biannual	0.000	N/A	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-4	Coliforms, Total	Lab analysis	Biannual	0.000	N/A	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-4	Copper	Lab analysis	Biannual	0.000	N/A	mg/l	W0151-01 EPA Trigger Level	0.5	No
03/03/2016 10/08/2016	MW-4	Cyanide	Lab analysis	Biannual	0.000	N/A	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-4	Fluoride	Lab analysis	Biannual	0.000	N/A	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-4	Iron	Lab analysis	Biannual	0.000	N/A	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-4	Lead	Lab analysis	Biannual	0.000	N/A	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-4	Magnesium	Lab analysis	Biannual	0.000	N/A	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-4	Manganese	Lab analysis	Biannual	0.000	N/A	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-4	Mercury	Lab analysis	Biannual	0.000	N/A	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-4	Nickel	Lab analysis	Biannual	0.000	N/A	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-4	Orthophosphates	Lab analysis	Biannual	0.000	N/A	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-4	Phosphorous, Total	Lab analysis	Biannual	0.000	N/A	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-4	Potassium	Lab analysis	Biannual	0.000	N/A	mg/l	W0151-01 EPA Trigger Level	N/A	No

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03/03/2016 10/08/2016	MW-4	Residue on Evaporation	Lab analysis	Biannual	0.000	N/A	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-4	Sodium	Lab analysis	Biannual	0.000	N/A	mg/l	W0151-01 EPA Trigger Level	80	No
03/03/2016 10/08/2016	MW-4	Total Oxidized Nitrogen	Lab analysis	Biannual	0.000	N/A	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-4	Zinc	Lab analysis	Biannual	0.000	N/A	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-5	Ammoniacal Nitrogen	Lab analysis	Biannual	0.160	0.095	mg/l NH4-N	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-5	Chloride	Lab analysis	Biannual	33.800	23.450	mg/l	W0151-01 EPA Trigger Level	70	No
03/03/2016 10/08/2016	MW-5	Phenols, Total	Lab analysis	Biannual	0.100	0.100	mg/l	W0151-01 EPA Trigger Level	0.1	No
03/03/2016 10/08/2016	MW-5	Sulphate	Lab analysis	Biannual	80.630	45.335	mg/l	W0151-01 EPA Trigger Level	140	No
03/03/2016 10/08/2016	MW-5	Total Organic Carbon	Lab analysis	Biannual	2.000	2.000	mg/l	W0151-01 EPA Trigger Level	50	No
03/03/2016 10/08/2016	MW-5	Colour	Field analysis	Biannual	N/A	N/A	N/A	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-5	Conductivity	Field analysis	Biannual	0.860	0.635	mS/cm	W0151-01 EPA Trigger Level	1	No
03/03/2016 10/08/2016	MW-5	Dissolved Oxygen	Field analysis	Biannual	4.000	4.000	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-5	Level, Water	Field analysis	Biannual	12.040	10.125	mOD	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-5	Odour	Field analysis	Biannual	N/A	N/A	N/A	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-5	pH	Field analysis	Biannual	7.900	7.800	pH	W0151-01 EPA Trigger Level	6<pH<9	No
03/03/2016 10/08/2016	MW-5	Temperature	Field analysis	Biannual	13.200	11.450	oC	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-5	Alkalinity, Total	Lab analysis	Biannual	324.000	324.000	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-5	Boron	Lab analysis	Biannual	0.045	0.045	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-5	Cadmium	Lab analysis	Biannual	0.001	0.001	mg/l	W0151-01 EPA Trigger Level	0.004	No
03/03/2016 10/08/2016	MW-5	Calcium	Lab analysis	Biannual	130.800	130.800	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-5	Chromium, Total	Lab analysis	Biannual	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-5	Coliforms, Faecal	Lab analysis	Biannual	1.000	1.000	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-5	Coliforms, Total	Lab analysis	Biannual	14.000	14.000	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-5	Copper	Lab analysis	Biannual	0.007	0.007	mg/l	W0151-01 EPA Trigger Level	0.5	No
03/03/2016 10/08/2016	MW-5	Cyanide	Lab analysis	Biannual	0.010	0.010	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-5	Fluoride	Lab analysis	Biannual	0.300	0.300	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-5	Iron	Lab analysis	Biannual	0.020	0.020	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-5	Lead	Lab analysis	Biannual	0.005	0.005	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-5	Magnesium	Lab analysis	Biannual	16.900	16.900	mg/l	W0151-01 EPA Trigger Level	N/A	No



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03/03/2016 10/08/2016	MW-5	Manganese	Lab analysis	Biannual	0.336	0.336	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-5	Mercury	Lab analysis	Biannual	0.001	0.001	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-5	Nickel	Lab analysis	Biannual	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-5	Orthophosphates	Lab analysis	Biannual	0.060	0.060	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-5	Phosphorous, Total	Lab analysis	Biannual	0.174	0.174	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-5	Potassium	Lab analysis	Biannual	9.300	9.300	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-5	Residue on Evaporation	Lab analysis	Biannual	576.000	576.000	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-5	Sodium	Lab analysis	Biannual	21.400	21.400	mg/l	W0151-01 EPA Trigger Level	80	No
03/03/2016 10/08/2016	MW-5	Total Oxidized Nitrogen	Lab analysis	Biannual	0.900	0.900	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-5	Zinc	Lab analysis	Biannual	0.003	0.003	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-6	Ammoniacal Nitrogen	Lab analysis	Biannual	0.040	0.035	mg/l NH4-N	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-6	Chloride	Lab analysis	Biannual	22.800	19.450	mg/l	W0151-01 EPA Trigger Level	70	No
03/03/2016 10/08/2016	MW-6	Phenols, Total	Lab analysis	Biannual	0.100	0.100	mg/l	W0151-01 EPA Trigger Level	0.1	No
03/03/2016 10/08/2016	MW-6	Sulphate	Lab analysis	Biannual	55.470	41.960	mg/l	W0151-01 EPA Trigger Level	140	No
03/03/2016 10/08/2016	MW-6	Total Organic Carbon	Lab analysis	Biannual	2.000	2.000	mg/l	W0151-01 EPA Trigger Level	50	No
03/03/2016 10/08/2016	MW-6	Colour	Field analysis	Biannual	N/A	N/A	N/A	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-6	Conductivity	Field analysis	Biannual	0.510	0.490	mS/cm	W0151-01 EPA Trigger Level	1	No
03/03/2016 10/08/2016	MW-6	Dissolved Oxygen	Field analysis	Biannual	2.000	2.000	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-6	Level, Water	Field analysis	Biannual	12.170	10.400	mOD	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-6	Odour	Field analysis	Biannual	N/A	N/A	N/A	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-6	pH	Field analysis	Biannual	8.000	7.850	pH	W0151-01 EPA Trigger Level	6<pH<9	No
03/03/2016 10/08/2016	MW-6	Temperature	Field analysis	Biannual	12.400	10.850	oC	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-6	Alkalinity, Total	Lab analysis	Biannual	208.000	208.000	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-6	Boron	Lab analysis	Biannual	0.012	0.012	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-6	Cadmium	Lab analysis	Biannual	0.001	0.001	mg/l	W0151-01 EPA Trigger Level	0.004	No
03/03/2016 10/08/2016	MW-6	Calcium	Lab analysis	Biannual	59.900	59.900	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-6	Chromium, Total	Lab analysis	Biannual	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-6	Coliforms, Faecal	Lab analysis	Biannual	7.000	7.000	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-6	Coliforms, Total	Lab analysis	Biannual	3.000	3.000	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No

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03/03/2016 10/08/2016	MW-6	Copper	Lab analysis	Biannual	0.007	0.007	mg/l	W0151-01 EPA Trigger Level	0.5	No
03/03/2016 10/08/2016	MW-6	Cyanide	Lab analysis	Biannual	0.010	0.010	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-6	Fluoride	Lab analysis	Biannual	0.300	0.300	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-6	Iron	Lab analysis	Biannual	0.068	0.068	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-6	Lead	Lab analysis	Biannual	0.005	0.005	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-6	Magnesium	Lab analysis	Biannual	4.300	4.300	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-6	Manganese	Lab analysis	Biannual	0.145	0.145	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-6	Mercury	Lab analysis	Biannual	0.001	0.001	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-6	Nickel	Lab analysis	Biannual	0.020	0.020	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-6	Orthophospha tes	Lab analysis	Biannual	0.060	0.060	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-6	Phosphorous, Total	Lab analysis	Biannual	0.723	0.723	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-6	Potassium	Lab analysis	Biannual	40.500	40.500	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-6	Residue on Evaporation	Lab analysis	Biannual	1200.000	1200.000	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-6	Sodium	Lab analysis	Biannual	23.500	23.500	mg/l	W0151-01 EPA Trigger Level	80	No
03/03/2016 10/08/2016	MW-6	Total Oxidized Nitrogen	Lab analysis	Biannual	0.400	0.400	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-6	Zinc	Lab analysis	Biannual	0.003	0.003	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-14	Ammoniacal Nitrogen	Lab analysis	Biannual	0.050	0.040	mg/l NH4-N	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-14	Chloride	Lab analysis	Biannual	94.300	89.350	mg/l	W0151-01 EPA Trigger Level	70	No
03/03/2016 10/08/2016	MW-14	Phenols, Total	Lab analysis	Biannual	0.100	0.100	mg/l	W0151-01 EPA Trigger Level	0.1	No
03/03/2016 10/08/2016	MW-14	Sulphate	Lab analysis	Biannual	14.150	12.255	mg/l	W0151-01 EPA Trigger Level	140	No
03/03/2016 10/08/2016	MW-14	Total Organic Carbon	Lab analysis	Biannual	2.000	2.000	mg/l	W0151-01 EPA Trigger Level	50	No
03/03/2016 10/08/2016	MW-14	Colour	Field analysis	Biannual	N/A	N/A	N/A	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-14	Conductivity	Field analysis	Biannual	0.430	0.420	mS/cm	W0151-01 EPA Trigger Level	1	No
03/03/2016 10/08/2016	MW-14	Dissolved Oxygen	Field analysis	Biannual	2.000	2.000	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-14	Level, Water	Field analysis	Biannual	12.140	9.795	mOD	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-14	Odour	Field analysis	Biannual	N/A	N/A	N/A	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-14	pH	Field analysis	Biannual	8.700	8.500	pH	W0151-01 EPA Trigger Level	6<pH<9	No
03/03/2016 10/08/2016	MW-14	Temperature	Field analysis	Biannual	12.400	11.400	oC	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-14	Alkalinity, Total	Lab analysis	Biannual	50.000	50.000	mg/l	W0151-01 EPA Trigger Level	N/A	No

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03/03/2016 10/08/2016	MW-14	Boron	Lab analysis	Biannual	0.014	0.014	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-14	Cadmium	Lab analysis	Biannual	0.005	0.005	mg/l	W0151-01 EPA Trigger Level	0.004	No
03/03/2016 10/08/2016	MW-14	Calcium	Lab analysis	Biannual	13.300	13.300	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-14	Chromium, Total	Lab analysis	Biannual	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-14	Coliforms, Faecal	Lab analysis	Biannual	5.000	5.000	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-14	Coliforms, Total	Lab analysis	Biannual	3.000	3.000	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-14	Copper	Lab analysis	Biannual	0.007	0.007	mg/l	W0151-01 EPA Trigger Level	0.5	No
03/03/2016 10/08/2016	MW-14	Cyanide	Lab analysis	Biannual	0.010	0.010	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-14	Fluoride	Lab analysis	Biannual	0.400	0.400	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-14	Iron	Lab analysis	Biannual	0.020	0.020	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-14	Lead	Lab analysis	Biannual	0.005	0.005	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-14	Magnesium	Lab analysis	Biannual	1.200	1.200	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-14	Manganese	Lab analysis	Biannual	0.009	0.009	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-14	Mercury	Lab analysis	Biannual	0.001	0.001	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-14	Nickel	Lab analysis	Biannual	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-14	Orthophospha tes	Lab analysis	Biannual	0.060	0.060	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-14	Phosphorous, Total	Lab analysis	Biannual	0.072	0.072	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-14	Potassium	Lab analysis	Biannual	2.100	2.100	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-14	Residue on Evaporation	Lab analysis	Biannual	207.000	207.000	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-14	Sodium	Lab analysis	Biannual	62.500	62.500	mg/l	W0151-01 EPA Trigger Level	80	No
03/03/2016 10/08/2016	MW-14	Total Oxidized Nitrogen	Lab analysis	Biannual	0.200	0.200	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-14	Zinc	Lab analysis	Biannual	0.003	0.003	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-16	Ammoniacal Nitrogen	Lab analysis	Biannual	0.100	0.070	mg/l NH4-N	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-16	Chloride	Lab analysis	Biannual	46.800	46.650	mg/l	W0151-01 EPA Trigger Level	70	No
03/03/2016 10/08/2016	MW-16	Phenols, Total	Lab analysis	Biannual	0.100	0.055	mg/l	W0151-01 EPA Trigger Level	0.1	No
03/03/2016 10/08/2016	MW-16	Sulphate	Lab analysis	Biannual	6.050	4.440	mg/l	W0151-01 EPA Trigger Level	140	No
03/03/2016 10/08/2016	MW-16	Total Organic Carbon	Lab analysis	Biannual	2.000	2.000	mg/l	W0151-01 EPA Trigger Level	50	No
03/03/2016 10/08/2016	MW-16	Colour	Field analysis	Biannual	N/A	N/A	N/A	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-16	Conductivity	Field analysis	Biannual	0.310	0.275	mS/cm	W0151-01 EPA Trigger Level	1	No

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03/03/2016 10/08/2016	MW-16	Dissolved Oxygen	Field analysis	Biannual	1.000	1.000	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-16	Level, Water	Field analysis	Biannual	11.610	10.275	mOD	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-16	Odour	Field analysis	Biannual	N/A	N/A	N/A	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-16	pH	Field analysis	Biannual	8.500	8.100	pH	W0151-01 EPA Trigger Level	6<pH<9	No
03/03/2016 10/08/2016	MW-16	Temperature	Field analysis	Biannual	13.100	11.650	oC	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-16	Alkalinity, Total	Lab analysis	Biannual	66.000	66.000	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-16	Boron	Lab analysis	Biannual	0.013	0.013	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-16	Cadmium	Lab analysis	Biannual	0.001	0.001	mg/l	W0151-01 EPA Trigger Level	0.004	No
03/03/2016 10/08/2016	MW-16	Calcium	Lab analysis	Biannual	13.000	13.000	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-16	Chromium, Total	Lab analysis	Biannual	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-16	Coliforms, Faecal	Lab analysis	Biannual	1.000	1.000	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-16	Coliforms, Total	Lab analysis	Biannual	3.000	3.000	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-16	Copper	Lab analysis	Biannual	0.007	0.007	mg/l	W0151-01 EPA Trigger Level	0.5	No
03/03/2016 10/08/2016	MW-16	Cyanide	Lab analysis	Biannual	0.010	0.010	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-16	Fluoride	Lab analysis	Biannual	0.300	0.300	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-16	Iron	Lab analysis	Biannual	0.020	0.020	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-16	Lead	Lab analysis	Biannual	0.005	0.005	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-16	Magnesium	Lab analysis	Biannual	3.500	3.500	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-16	Manganese	Lab analysis	Biannual	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-16	Mercury	Lab analysis	Biannual	0.001	0.001	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-16	Nickel	Lab analysis	Biannual	0.020	0.020	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-16	Orthophosphates	Lab analysis	Biannual	0.060	0.060	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-16	Phosphorous, Total	Lab analysis	Biannual	0.087	0.087	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-16	Potassium	Lab analysis	Biannual	1.900	1.900	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-16	Residue on Evaporation	Lab analysis	Biannual	161.000	161.000	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-16	Sodium	Lab analysis	Biannual	36.400	36.400	mg/l	W0151-01 EPA Trigger Level	80	No
03/03/2016 10/08/2016	MW-16	Total Oxidized Nitrogen	Lab analysis	Biannual	0.200	0.200	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-16	Zinc	Lab analysis	Biannual	0.003	0.003	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-17	Ammoniacal Nitrogen	Lab analysis	Biannual	0.030	0.030	mg/l NH4-N	W0151-01 EPA Trigger Level	N/A	No

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03/03/2016 10/08/2016	MW-17	Chloride	Lab analysis	Biannual	47.000	42.350	mg/l	W0151-01 EPA Trigger Level	70	No
03/03/2016 10/08/2016	MW-17	Phenols, Total	Lab analysis	Biannual	0.100	0.100	mg/l	W0151-01 EPA Trigger Level	0.1	No
03/03/2016 10/08/2016	MW-17	Sulphate	Lab analysis	Biannual	88.830	83.090	mg/l	W0151-01 EPA Trigger Level	140	No
03/03/2016 10/08/2016	MW-17	Total Organic Carbon	Lab analysis	Biannual	2.000	2.000	mg/l	W0151-01 EPA Trigger Level	50	No
03/03/2016 10/08/2016	MW-17	Colour	Field analysis	Biannual	N/A	N/A	N/A	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-17	Conductivity	Field analysis	Biannual	1.040	1.010	mS/cm	W0151-01 EPA Trigger Level	1	No
03/03/2016 10/08/2016	MW-17	Dissolved Oxygen	Field analysis	Biannual	7.000	7.000	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-17	Level, Water	Field analysis	Biannual	11.580	10.060	mOD	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-17	Odour	Field analysis	Biannual	N/A	N/A	N/A	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-17	pH	Field analysis	Biannual	7.800	7.450	pH	W0151-01 EPA Trigger Level	6<pH<9	No
03/03/2016 10/08/2016	MW-17	Temperature	Field analysis	Biannual	12.900	11.500	oC	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-17	Alkalinity, Total	Lab analysis	Biannual	368.000	368.000	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-17	Boron	Lab analysis	Biannual	0.040	0.040	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-17	Cadmium	Lab analysis	Biannual	0.005	0.005	mg/l	W0151-01 EPA Trigger Level	0.004	No
03/03/2016 10/08/2016	MW-17	Calcium	Lab analysis	Biannual	158.100	158.100	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-17	Chromium, Total	Lab analysis	Biannual	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-17	Coliforms, Faecal	Lab analysis	Biannual	1.000	1.000	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-17	Coliforms, Total	Lab analysis	Biannual	1.000	1.000	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-17	Copper	Lab analysis	Biannual	0.007	0.007	mg/l	W0151-01 EPA Trigger Level	0.5	No
03/03/2016 10/08/2016	MW-17	Cyanide	Lab analysis	Biannual	0.010	0.010	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-17	Fluoride	Lab analysis	Biannual	0.300	0.300	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-17	Iron	Lab analysis	Biannual	0.020	0.020	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-17	Lead	Lab analysis	Biannual	0.005	0.005	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-17	Magnesium	Lab analysis	Biannual	19.700	19.700	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-17	Manganese	Lab analysis	Biannual	0.008	0.008	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-17	Mercury	Lab analysis	Biannual	0.001	0.001	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-17	Nickel	Lab analysis	Biannual	0.020	0.020	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-17	Orthophosphates	Lab analysis	Biannual	0.060	0.060	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-17	Phosphorous, Total	Lab analysis	Biannual	0.549	0.549	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-17	Potassium	Lab analysis	Biannual	9.100	9.100	mg/l	W0151-01 EPA Trigger Level	N/A	No

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03/03/2016 10/08/2016	MW-17	Residue on Evaporation	Lab analysis	Biannual	1387.000	1387.000	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-17	Sodium	Lab analysis	Biannual	26.500	26.500	mg/l	W0151-01 EPA Trigger Level	80	No
03/03/2016 10/08/2016	MW-17	Total Oxidized Nitrogen	Lab analysis	Biannual	15.800	15.800	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-17	Zinc	Lab analysis	Biannual	0.003	0.003	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-20	Ammoniacal Nitrogen	Lab analysis	Biannual	0.030	0.020	mg/l NH4-N	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-20	Chloride	Lab analysis	Biannual	52.600	45.150	mg/l	W0151-01 EPA Trigger Level	70	No
03/03/2016 10/08/2016	MW-20	Phenols, Total	Lab analysis	Biannual	0.100	0.100	mg/l	W0151-01 EPA Trigger Level	0.1	No
03/03/2016 10/08/2016	MW-20	Sulphate	Lab analysis	Biannual	83.750	79.265	mg/l	W0151-01 EPA Trigger Level	140	No
03/03/2016 10/08/2016	MW-20	Total Organic Carbon	Lab analysis	Biannual	2.000	2.000	mg/l	W0151-01 EPA Trigger Level	50	No
03/03/2016 10/08/2016	MW-20	Colour	Field analysis	Biannual	N/A	N/A	N/A	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-20	Conductivity	Field analysis	Biannual	0.930	0.850	mS/cm	W0151-01 EPA Trigger Level	1	No
03/03/2016 10/08/2016	MW-20	Dissolved Oxygen	Field analysis	Biannual	4.000	4.000	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-20	Level, Water	Field analysis	Biannual	11.430	9.995	mOD	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-20	Odour	Field analysis	Biannual	N/A	N/A	N/A	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-20	pH	Field analysis	Biannual	7.900	7.550	pH	W0151-01 EPA Trigger Level	6<pH<9	No
03/03/2016 10/08/2016	MW-20	Temperature	Field analysis	Biannual	14.600	12.450	oC	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-20	Alkalinity, Total	Lab analysis	Biannual	384.000	384.000	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-20	Boron	Lab analysis	Biannual	0.028	0.028	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-20	Cadmium	Lab analysis	Biannual	0.001	0.001	mg/l	W0151-01 EPA Trigger Level	0.004	No
03/03/2016 10/08/2016	MW-20	Calcium	Lab analysis	Biannual	115.400	115.400	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-20	Chromium, Total	Lab analysis	Biannual	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-20	Coliforms, Faecal	Lab analysis	Biannual	9.000	9.000	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-20	Coliforms, Total	Lab analysis	Biannual	1.000	1.000	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-20	Copper	Lab analysis	Biannual	0.007	0.007	mg/l	W0151-01 EPA Trigger Level	0.5	No
03/03/2016 10/08/2016	MW-20	Cyanide	Lab analysis	Biannual	0.010	0.010	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-20	Fluoride	Lab analysis	Biannual	0.300	0.300	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-20	Iron	Lab analysis	Biannual	0.020	0.020	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-20	Lead	Lab analysis	Biannual	0.050	0.050	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-20	Magnesium	Lab analysis	Biannual	21.600	21.600	mg/l	W0151-01 EPA Trigger Level	N/A	No

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03/03/2016 10/08/2016	MW-20	Manganese	Lab analysis	Biannual	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-20	Mercury	Lab analysis	Biannual	0.001	0.001	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-20	Nickel	Lab analysis	Biannual	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-20	Orthophosphates	Lab analysis	Biannual	0.060	0.060	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-20	Phosphorous, Total	Lab analysis	Biannual	0.807	0.807	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-20	Potassium	Lab analysis	Biannual	2.400	2.400	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-20	Residue on Evaporation	Lab analysis	Biannual	1423.000	1423.000	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-20	Sodium	Lab analysis	Biannual	28.400	28.400	mg/l	W0151-01 EPA Trigger Level	80	No
03/03/2016 10/08/2016	MW-20	Total Oxidized Nitrogen	Lab analysis	Biannual	0.800	0.800	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-20	Zinc	Lab analysis	Biannual	0.003	0.003	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-22	Ammoniacal Nitrogen	Lab analysis	Biannual	0.030	0.030	mg/l NH4-N	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-22	Chloride	Lab analysis	Biannual	146.100	146.100	mg/l	W0151-01 EPA Trigger Level	70	No
03/03/2016 10/08/2016	MW-22	Phenols, Total	Lab analysis	Biannual	0.100	0.100	mg/l	W0151-01 EPA Trigger Level	0.1	No
03/03/2016 10/08/2016	MW-22	Sulphate	Lab analysis	Biannual	43.360	43.360	mg/l	W0151-01 EPA Trigger Level	140	No
03/03/2016 10/08/2016	MW-22	Total Organic Carbon	Lab analysis	Biannual	2.000	2.000	mg/l	W0151-01 EPA Trigger Level	50	No
03/03/2016 10/08/2016	MW-22	Colour	Field analysis	Biannual	N/A	N/A	N/A	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-22	Conductivity	Field analysis	Biannual	1.146	1.146	mS/cm	W0151-01 EPA Trigger Level	1	No
03/03/2016 10/08/2016	MW-22	Dissolved Oxygen	Field analysis	Biannual	0.000	#DIV/0!	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-22	Level, Water	Field analysis	Biannual	15.070	15.070	mOD	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-22	Odour	Field analysis	Biannual	N/A	N/A	N/A	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-22	pH	Field analysis	Biannual	7.300	7.300	pH	W0151-01 EPA Trigger Level	6<pH<9	No
03/03/2016 10/08/2016	MW-22	Temperature	Field analysis	Biannual	10.200	10.200	oC	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-22	Alkalinity, Total	Lab analysis	Biannual	0.000	N/A	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-22	Boron	Lab analysis	Biannual	0.000	N/A	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-22	Cadmium	Lab analysis	Biannual	0.000	N/A	mg/l	W0151-01 EPA Trigger Level	0.004	No
03/03/2016 10/08/2016	MW-22	Calcium	Lab analysis	Biannual	0.000	N/A	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-22	Chromium, Total	Lab analysis	Biannual	0.000	N/A	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-22	Coliforms, Faecal	Lab analysis	Biannual	0.000	N/A	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-22	Coliforms, Total	Lab analysis	Biannual	0.000	N/A	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No

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03/03/2016 10/08/2016	MW-22	Copper	Lab analysis	Biannual	0.000	N/A	mg/l	W0151-01 EPA Trigger Level	0.5	No
03/03/2016 10/08/2016	MW-22	Cyanide	Lab analysis	Biannual	0.000	N/A	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-22	Fluoride	Lab analysis	Biannual	0.000	N/A	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-22	Iron	Lab analysis	Biannual	0.000	N/A	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-22	Lead	Lab analysis	Biannual	0.000	N/A	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-22	Magnesium	Lab analysis	Biannual	0.000	N/A	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-22	Manganese	Lab analysis	Biannual	0.000	N/A	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-22	Mercury	Lab analysis	Biannual	0.000	N/A	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-22	Nickel	Lab analysis	Biannual	0.000	N/A	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-22	Orthophosphates	Lab analysis	Biannual	0.000	N/A	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-22	Phosphorous, Total	Lab analysis	Biannual	0.000	N/A	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-22	Potassium	Lab analysis	Biannual	0.000	N/A	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-22	Residue on Evaporation	Lab analysis	Biannual	0.000	N/A	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-22	Sodium	Lab analysis	Biannual	0.000	N/A	mg/l	W0151-01 EPA Trigger Level	80	No
03/03/2016 10/08/2016	MW-22	Total Oxidized Nitrogen	Lab analysis	Biannual	0.000	N/A	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 10/08/2016	MW-22	Zinc	Lab analysis	Biannual	0.000	N/A	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	PW-3	Ammoniacal Nitrogen	Lab analysis	Quarterly	0.030	0.030	mg/l NH4-N	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	PW-3	Chloride	Lab analysis	Quarterly	55.800	51.100	mg/l	W0151-01 EPA Trigger Level	70	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	PW-3	Phenols, Total	Lab analysis	Quarterly	0.100	0.100	mg/l	W0151-01 EPA Trigger Level	0.1	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	PW-3	Sulphate	Lab analysis	Quarterly	111.530	80.978	mg/l	W0151-01 EPA Trigger Level	140	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	PW-3	Total Organic Carbon	Lab analysis	Quarterly	2.000	2.000	mg/l	W0151-01 EPA Trigger Level	50	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	PW-3	Colour	Field analysis	Quarterly	N/A	N/A	N/A	W0151-01 EPA Trigger Level	N/A	No



Groundwater/Soil monitoring template				Lic No:	W0151-01	Year	2016			
03/03/2016 16/06/2016 10/08/2016 01/12/2016	PW-3	Conductivity	Field analysis	Quarterly	0.920	0.860	mS/cm	W0151-01 EPA Trigger Level	1	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	PW-3	Dissolved Oxygen	Field analysis	Quarterly	10.000	9.000	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	PW-3	Odour	Field analysis	Quarterly	0.000	0.000	N/A	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	PW-3	pH	Field analysis	Quarterly	8.300	7.825	pH	W0151-01 EPA Trigger Level	6<pH<9	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	PW-3	Temperature	Field analysis	Quarterly	18.800	13.950	oC	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	PW-3	Boron	Lab analysis	Quarterly	0.049	0.049	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	PW-3	Cadmium	Lab analysis	Quarterly	0.001	0.001	mg/l	W0151-01 EPA Trigger Level	0.004	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	PW-3	Calcium	Lab analysis	Quarterly	145.700	145.700	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	PW-3	Chromium, Total	Lab analysis	Quarterly	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	PW-3	Coliforms, Faecal	Lab analysis	Quarterly	1.000	1.000	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	PW-3	Coliforms, Total	Lab analysis	Quarterly	1.000	1.000	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	PW-3	Copper	Lab analysis	Quarterly	0.062	0.062	mg/l	W0151-01 EPA Trigger Level	0.5	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	PW-3	Cyanide	Lab analysis	Quarterly	0.010	0.010	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	PW-3	Fluoride	Lab analysis	Quarterly	0.030	0.030	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	PW-3	Iron	Lab analysis	Quarterly	0.020	0.020	mg/l	W0151-01 EPA Trigger Level	N/A	No

Groundwater/Soil monitoring template				Lic No:	W0151-01	Year	2016			
03/03/2016 16/06/2016 10/08/2016 01/12/2016	PW-3	Lead	Lab analysis	Quarterly	0.005	0.005	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	PW-3	Magnesium	Lab analysis	Quarterly	0.000	0.000	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	PW-3	Manganese	Lab analysis	Quarterly	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	PW-3	Mercury	Lab analysis	Quarterly	0.000	0.000	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	PW-3	Nickel	Lab analysis	Quarterly	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	PW-3	Orthophosphates	Lab analysis	Quarterly	0.060	0.060	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	PW-3	Phosphorous, Total	Lab analysis	Quarterly	0.049	0.049	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	PW-3	Potassium	Lab analysis	Quarterly	1.300	1.300	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	PW-3	Residue on Evaporation	Lab analysis	Quarterly	525.000	525.000	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	PW-3	Sodium	Lab analysis	Quarterly	31.500	31.500	mg/l	W0151-01 EPA Trigger Level	80	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	PW-3	Total Alkalinity	Lab analysis	Quarterly	274.000	274.000	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	PW-3	Total Oxidized Nitrogen	Lab analysis	Quarterly	1.800	1.800	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 16/06/2016 10/08/2016 01/12/2016	PW-3	Zinc	Lab analysis	Quarterly	0.024	0.024	mg/l	W0151-01 EPA Trigger Level	N/A	No
							SELECT			SELECT
<p>*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.</p> <p style="text-align: right;"><a href="#">Groundwater monitoring template</a></p>										

<b>Groundwater/Soil monitoring template</b>	Lic No:	W0151-01	Year	2016
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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)

- |                                   |   |   |  |  |
|-----------------------------------|---|---|--|--|
| <a href="#">Surface water EQS</a> | <a href="#">Groundwater regulations</a> | <a href="#">Drinking water (private supply) standards</a> | <a href="#">Drinking water (public supply) standards</a> | <a href="#">Interim Guideline Values (IGV)</a> |
|-----------------------------------|---|---|--|--|

**Groundwater/Soil monitoring template**

Lic No:

W0151-01

Year

2016

**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 completed	
3	Amount of Financial Provision cover required as determined by the latest ELRA	To be agreed	
4	Financial Provision for ELRA status	Submitted and not agreed by EPA;	
5	Financial Provision for ELRA - amount of cover	To be agreed	
6	Financial Provision for ELRA - type	Environmental Impairment Liability cover,	
7	Financial provision for ELRA expiry date	Enter expiry date	
8	Closure plan initial agreement status	Closure plan submitted and not agreed by EPA	
9	Closure plan review status	Review required and completed	
10	Financial Provision for Closure status	Submitted and not agreed by EPA;	
11	Financial Provision for Closure - amount of cover	To be agreed	
12	Financial Provision for Closure - type	Other please specify	
13	Financial provision for Closure expiry date	Enter expiry date	

<b>Environmental Management Programme/Continuous Improvement Programme template</b>	Lic No:	W0151-01	Year	2016
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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	
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
Groundwater protection	Ongoing monitoring and measurement - water	100	Monitoring completed	Individual	Improved Environmental Management Practices
Noise reduction	Ongoing monitoring and measurement - noise	100	Monitoring completed	Individual	Improved Environmental Management Practices
Reduction of emissions to Air	Ongoing monitoring and measurement - dust	100	Monitoring completed	Individual	Improved Environmental Management Practices

<b>Noise monitoring summary report</b>	Lic No: W0151-01	Year	2016
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- 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? Yes  
[Noise Guidance note NG4](#)
- 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

Date of monitoring	Time period	Noise location (on site)	Noise sensitive location -NSL (if applicable)	LA <sub>eq</sub>	LA <sub>90</sub>	LA <sub>10</sub>	LA <sub>max</sub>	Tonal or Impulsive noise* (Y/N)	If tonal /impulsive noise was identified was 5dB penalty applied?	Comments (ex. main noise sources on site, & extraneous noise ex. road traffic)	Is <u>site</u> compliant with noise limits (day/evening/night)?
12/06/2015	09/06/2016	Daytime	NMP5	66	50	70	85	No	No		Yes
12/06/2015	09/06/2016	Daytime	NMP7	56	45	55	83	No	No		Yes
12/06/2015	09/06/2016	Daytime	NMP8	49	36	46	81	No	No		Yes
12/06/2015	09/06/2016	Daytime	NMP13	52	45	54	70	No	No		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)

## Resource Usage/Energy efficiency summary

Lic No:

W0151-01

Year

2016

## Additional information

- 1 When did the site carry out the most recent energy efficiency audit? Please list the recommendations in table 3 below
- 2 Is the site a member of any accredited programmes for reducing energy usage/water conservation such as the SEAI programme linked to the right? If yes please list them in additional information
- 3 Where Fuel Oil is used in boilers on site is the sulphur content compliant with licence conditions? Please state percentage in additional information

No formal audit completed; ongoing monitoring and management of energy use by licensee.	
no	
SELECT	

Table R1 Energy usage on site				
Energy Use	Previous year	Current year	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*
Total Energy Used (MWHrs)	1016.362	1515.274		
Total Energy Generated (MWHrs)				
Total Renewable Energy Generated (MWHrs)				
Electricity Consumption (MWHrs)	19.8	30.6		
Fossil Fuels Consumption:				
Heavy Fuel Oil (m3)	98	146		
Light Fuel Oil (m3)				
Natural gas (m3)				
Coal/Solid fuel (metric tonnes)				
Peat (metric tonnes)				
Renewable Biomass				
Renewable energy generated on site				

SEAI: 10.169kWh/litre of diesel

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

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

Table R2 Water usage on site				Water Emissions	Water Consumption		
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*	Volume Discharged back to environment(m <sup>3</sup> /yr):	Volume used i.e not discharged to environment e.g. released as steam m3/yr	Unaccounted for Water:
Groundwater							
Surface water							
Public supply	91.5	81					
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



<b>Resource Usage/Energy efficiency summary</b>	Lic No: W0151-01	Year	2016
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Table R3 Waste Stream Summary					
	Total	Landfill	Incineration	Recycled	Other
Hazardous (Tonnes)					
Non-Hazardous (Tonnes)	1.501	1.271		0.23	

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					



Complaints and Incidents summary template		Lic No:	W0151-01	Year	2016
Total number of incidents previous year					6
% reduction/increase					14%

**WASTE SUMMARY** Lic No: W0151-01 Year: 2016

**SECTION A-PRTR ON SITE WASTE TREATMENT AND WASTE TRANSFERS TAB- TO BE COMPLETED BY ALL IPPC AND WASTE FACILITIES** [PRTR Facility Logon](#) dropdown list click to see options

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

1 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)

Additional Information

Yes	
-----	--

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

Yes	See 'Incidents' tab
-----	---------------------

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)**

Licensed annual tonnage limit for your site (total tonnes/annum)	EWC code <a href="#">European Waste Catalogue EWC codes</a>	Source of waste accepted	Description of waste accepted <b>Please enter an accurate and detailed description - which applies to relevant EWC code</b> <a href="#">European Waste Catalogue EWC codes</a>	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 -
750,000	17 01 01	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Concrete	112,092.55	118,283.95	-6%	Market Demand	0%	R5-Recycling/reclamation or other inorganic materials which includes soil celaning resulting in recovery of the soil and recycling of inorganic construction materials	0	
750,000	17 05 04	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Soil and stones other than those mentioned in 17 05 03	636,490.78	630,879.32	1%	Market Demand	0%	R5-Recycling/reclamation or other inorganic materials which includes soil celaning resulting in recovery of the soil and recycling of inorganic construction materials	0	

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

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

Yes	
-----	--

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

Yes	
-----	--

6 Does your facility have relevant nuisance controls in place?

N/A	
-----	--

7 Do you have an odour management system in place for your facility? If no why?

N/A	
-----	--

8 Do you maintain a sludge register on site?

N/A	
-----	--

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

**Table 2 Waste type and tonnage-landfill only**

Waste types permitted for disposal	Authorised/licenced annual intake for disposal (tpa)	Actual intake for disposal in reporting year (tpa)	Remaining licensed capacity at end of reporting year (m3)	Comments
inert waste	738,000			all incoming waste is recovered

<b>WASTE SUMMARY</b>		Lic No:	W0151-01	Year	2016
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**Table 3 General information-Landfill only**

Area ID	Date landfilling commenced	Date landfilling ceased	Currently landfilling	Private or Public Operated	Inert or non-hazardous	Predicted date to cease landfilling	Licence permits asbestos	Is there a separate cell for asbestos?	Accepted asbestos in reporting year	Total disposal area occupied by waste	Lined disposal area occupied by waste	Unlined area	Comments on liner type
										SELECT UNIT	SELECT UNIT	SELECT UNIT	
Zone 6		2003	Not applicable	Yes	Private	Inert	subject to filling ra	No	No	No			

**Table 4 Environmental monitoring-landfill only** [Landfill Manual-Monitoring Standards](#)

Was meterological 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
Yes	Yes	Yes	Yes	Yes	No	No	No	

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

**Table 5 Capping-Landfill only**

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

\*please note this includes daily cover area

**Table 6 Leachate-Landfill only**

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

SELECT
SELECT

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

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

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

**Table 7 Landfill Gas-Landfill only**

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



Environmental Protection Agency

| PRTR# : W0151 | Facility Name : Murphy Concrete Manufacturing Limited | Filename : W0151\_2016 PRTR.xls | Return Year : 2016 |

10/03/2017 15:30

[Guidance to completing the PRTR workbook](#)

# PRTR Returns Workbook

Version 1.1.19

<b>REFERENCE YEAR</b>	2016
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## 1. FACILITY IDENTIFICATION

Parent Company Name	Murphy Concrete Manufacturing Limited
Facility Name	Murphy Concrete Manufacturing Limited
PRTR Identification Number	W0151
Licence Number	W0151-01

### Classes of Activity

No.	class_name
-	Refer to PRTR class activities below

Address 1	Sarsfieldtown
Address 2	Gormanstown
Address 3	
Address 4	
	Meath
Country	Ireland
Coordinates of Location	-6.25153 53.654
River Basin District	IEEA
NACE Code	3832
Main Economic Activity	Recovery of sorted materials
<b>AER Returns Contact Name</b>	Kerstie Flanagan
<b>AER Returns Contact Email Address</b>	kerstief@pateltonra.com
<b>AER Returns Contact Position</b>	Envrionmental Consultant
<b>AER Returns Contact Telephone Number</b>	01 8020527
<b>AER Returns Contact Mobile Phone Number</b>	0879718085
<b>AER Returns Contact Fax Number</b>	01 8020525
<b>Production Volume</b>	0.0
<b>Production Volume Units</b>	
<b>Number of Installations</b>	0
<b>Number of Operating Hours in Year</b>	0
<b>Number of Employees</b>	4
<b>User Feedback/Comments</b>	
<b>Web Address</b>	

## 2. PRTR CLASS ACTIVITIES

Activity Number	Activity Name
50.1	General
5(d)	Landfills
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

4.1 RELEASES TO AIR

[Link to previous years emissions data](#)

| PRTR#: W0151 | Facility Name : Murphy Concrete Manufacturing Limited | Filename : W0151\_2016 PRTR.xls | Return Year : 2016 |

10/03/2017 15:30

**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:	Murphy Concrete Manufacturing Limited				
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# : W0151 | Facility Name : Murphy Concrete Manufacturing Limited | Filename : W0151\_2016-PRTR.xls | Return Year : 2016 |

10/03/2017 15:30

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

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

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

SECTION B - REMAINING PRTR POLLUTANTS

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

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

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

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

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



4.3 RELEASES TO WASTEWATER OR SEWER

[Link to previous years emissions data](#)

| PRTR# : W0151 | Facility Name : Murphy Concrete Manufacturing Limited | Filename : W0151\_201

10/03/2017 15:30

**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 Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					0.0	0.0	0.0	0.0

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

**SECTION 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 Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					0.0	0.0	0.0	0.0

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

4.4 RELEASES TO LAND

[Link to previous years emissions data](#)

[ PRTR# : W0151 | Facility Name : Murphy Concrete Manufacturing Limited | Filename : W0151\_2016 PRTR.xls | Return Year : 2016 ]

10/03/2017 15:30

**SECTION A : PRTR POLLUTANTS**

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

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

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

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

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

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE

| PRTR# : W0151 | Facility Name : Murphy Concrete Manufacturing Limited | Filename : W0151\_2016 PRTR.xls | Return Year : 2016 |

10/03/2017 15:30

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	Haz Waste : Name and Licence/Permit No of Next Destination Facility	Haz Waste : Name and Licence/Permit No of Recover/Disposer	Haz Waste : Address of Next Destination Facility	Non Haz Waste: Address of Recover/Disposer	Name and License / Permit No. and Address of Final Recoverer / Disposer (HAZARDOUS WASTE ONLY)	Actual Address of Final Destination i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY)
						M/C/E	Method Used		Non	Non Haz Waste: Address of Recover/Disposer				
Within the Country	20 03 01	No	1.271	mixed municipal waste	D15	E	Volume Calculation	Offsite in Ireland	Panda,W0140-03		Beauparc,Navan,Co. Meath,0,Ireland		Beauparc,Navan,Co. Meath,0,Ireland	
Within the Country	20 03 01	No	0.23	mixed municipal waste	R3	E	Volume Calculation	Offsite in Ireland	Panda,W0140-03		Beauparc,Navan,Co. Meath,0,Ireland		Beauparc,Navan,Co. Meath,0,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](#)















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RD Code	RD Description	RD Type
	Landfill	
D1	Deposit into or onto land, (e.g. landfill, etc.) - deposit of overburden, waste rock and tailings on heaps in the extractive industry.	Disposal
D10	Incineration on land - municipal solid waste incineration plants for incineration of MSW, hazardous waste, sewage sludge, clinical waste, animal carcasses.	Disposal
D11	Incineration at sea This operation is prohibited by EU legislation and international conventions.	Disposal
D12	Permanent storage Permanent storage (e.g. emplacement of containers in a mine, etc.) - landfills for the underground storage of waste.	Disposal
D13	Blending or mixing prior to submission to any of the operations numbered D1-D12 - basic sorting activities; crushing and shredding of waste in order to reduce the volume of waste for transport or landfilling; mixing and blending of waste (e.g. mixing of similar wastes from different waste generators); homogenisation, conditioning and solidification	Disposal
D14	Repackaging prior to submission to any of the operations numbered D1-D13 - transfer and compaction of waste; packaging of asbestos	Disposal
D15	Storage pending any of the operations numbered D1-D14 Does not apply to storage of waste prior to collection at the site at which it was generated. Temporary storage of waste prior to disposal is limited to a period of <1 year. Otherwise the provisions of the Landfill Directive apply (Directive 1999/31/EC, Article 2(g)).	Disposal
D2	Land treatment Land treatment, (e.g. biodegradation of liquid or sludgy discards in soils, etc.) - spreading of waste on land, often followed by the incorporation of the waste into the soil, which does not result in benefit to agriculture or other ecological improvements. Generally applies to non-hazardous sludge and liquid wastes, e.g. disposal of dredging sludge.	Disposal
D3	Injection Deep injection, (e.g. injection of pumpable discards into wells, salt domes of naturally occurring repositories, etc.) - injection of waste into natural and artificial cavities (e.g. salt domes, wells, mines), and porous formations of rock not covered by Directive 1999/31/EC.	Disposal
D4	Surface impoundment Surface impoundment, (e.g. placement of liquid or sludge discards into pits, ponds or lagoons, etc.) - the deposit of waste in natural or engineered ponds, pits or lagoons (impoundment), which is the predominant method for the management of tailings in mining operations; impoundment of dredging sludge.	Disposal
D5	Engineered landfill Specially engineered landfill, (e.g. placement into lined discrete cells which are capped and isolated from one another and the environment, etc.) - landfills for inert waste, non-hazardous waste and hazardous waste above ground.	Disposal
D6	Release to waters Release into a water body except seas/oceans - deposit of non-hazardous dredging sludge and other non-hazardous sludge in surface water including the bed and the subsoil.	Disposal
D7	Release to sea Release into seas/oceans including sea-bed insertion - discharge of waste at sea in accordance with the OSPAR Convention (e.g. discharge of fish processing waste and inert materials of natural origin).	Disposal
D8	Biological treatment Biological treatment not specified elsewhere in this Annex which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1- D12 -biological-mechanical treatment of municipal waste; biological treatment of contaminated soil; sludges or mineral wastes, if followed by disposal	Disposal
D9	Physico chemical treatment Physico chemical treatment not specified elsewhere in this Annex which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1-D12 (e.g. evaporation, drying, calcination, neutralization, precipitation, etc.) -physico-chemical treatment is typically deployed for: mulsions and oil/water mixtures; neutral aqueous organics and inorganics (production specific waste water, leachate, etc.); cyanides; acids and alkalis. Typical treatment steps are detoxification (oxidation/reduction), precipitation, neutralisation, emulsion separation, immobilisation, electrolysis and osmosis.	Disposal
R1	Use as fuel Use as a fuel (other than in direct incineration) or other means to generate energy - use of tyres, waste oils, or spent solvents in cement kilns; co-incineration of sewage sludge or refuse-derived fuel (RDF) from municipal waste in power stations.	Recovery
R10	Landspreading Land treatment resulting in benefit to agriculture or ecological improvement - use of sewage sludge in agriculture in compliance with the Sewage Sludge Directive; the spreading on land of compost from the treatment of separately collected biowaste; the use of manure in compliance with agricultural regulations; the use of mineral wastes as fertilisers in compliance with national legislation; landscape restoration, e.g. as final landfill cover; restoration of old disused quarries.	Recovery
R11	Use of residuals Uses of residual materials obtained from any of the operations numbered R1-R10 - energy recovery of sorting residues, shredder light fraction, or distillation sludge from oil-refining; the use of slag from co-incineration for underground stowage.	Recovery
R11a	Backfill (including infill or use of waste as daily cover at landfills) Waste Exchange prior to recovery	Recovery
R12	Exchange of wastes for submission to any of the operations numbered R1-R11 - basic sorting activities; mixing of waste from different generators before it is sent to a recovery facility; transfer and compaction of waste; shredding of wood waste prior to energy recovery.	Recovery
R13	Storage prior to recovery Accumulation of material intended for any operation numbered R1-R12 - interim storage of waste prior to recovery is limited to a period of <3 years, otherwise storage is subject to provisions of Landfill Directive.	Recovery
R2	Solvent reclamation/regeneration - re-refining of solvents in order to separate contaminants and to restore the solvent to its original quality or to a lower grade product (e.g. lacquer thinner); preparation of secondary liquid fuels (SLF), usually by blending with other liquid wastes.	Recovery
R3	Organic substance recycling/reclamation Recycling/reclamation of organic substances which are not used as solvents - recycling of waste paper and board; reprocessing and recycling of plastic waste; composting of bio waste and green waste; fermentation of biodegradable waste for biogas production (biogas plants).	Recovery
R4	Metal recycling/reclamation Recycling/reclamation of metals and metal compounds - recycling of scrap and production waste in steelworks; shredding and reprocessing of ELVs and WEEE; thermal treatment of cables or oil-contaminated metals; battery recycling; electrolytic recovery of silver from photo chemicals.	Recovery
R5	Inorganic substance recycling/reclamation Recycling/reclamation of other inorganic materials - reprocessing of construction and demolition waste; reprocessing and recycling of glass waste; use as secondary raw material in cement kilns; asphalt mixing plants; use for underground stowage in mines.	Recovery
R6	Regeneration of acids or bases - re-concentration of spent acids; the thermal decomposition of spent sulphuric acid for use as feedstock in sulphuric acid production.	Recovery
R7	Recovery of components used for pollution abatement - regeneration of activated carbon from water purification and flue gas treatment, mainly by thermal treatment; the regeneration of resins by solvent washing.	Recovery
R8	Recovery of components from catalysts -regeneration of catalysts to be reused as catalysts; the recovery of catalyst components, mainly of metal components, e.g. recycling of precious metals from catalytic converters in vehicle exhausts.	Recovery
R9	Used oil re-refining or other reuses of previously used oil - Re-refining into base oils which can be used to manufacture lubricating products; use to generate fuel which can be used as a substitute for coal, diesel and light fuel.	Recovery

Select a code by double-clicking on the method code cell below

Methods used for determination of releases to air: Method Identification Codes			
For each parameter please click on the Method Code that applies. Please take note of the appropriate Method Category (M/C/E) and Method Designation or Description according to this table.			
Method Code	M/C/E	Where this code is applicable	Designation or Description
ISO 10397:1993	M	Asbestos	Leave Blank
ISO 11338-1 to 2:2003	M	Anthracene, polycyclic aromatic hydrocarbons (PAHs) & flouranthene	Leave Blank
EN 14385:2004	M	(Arsenic, Cadmium, Chromium, Cobalt, Copper, Manganese, Nickel, Lead, Antimony, Thallium, Vanadium and Zinc) & Compounds	Leave Blank
EN 15058:2004	M	Carbon Monoxide (CO)	Leave Blank
ISO 12039:2001	M	Carbon Monoxide (CO) & Carbon Dioxide (CO <sub>2</sub> )	Leave Blank
EN 1811-1 to 3:2003	M	Chlorine & Inorganic Compounds (as HCl)	Leave Blank
ISO/DIS 15713:2004	M	Fluorine & Inorganic Compounds (as HF)	Leave Blank
EN 13211:2001	M	Mercury & Compounds (as Hg)	Leave Blank
EN 14884:2005	M	Mercury & Compounds (as Hg)	Leave Blank
EN 14792:2005	M	Nitrogen Oxides (Nox/NO <sub>2</sub> )	Leave Blank
ISO 11564:1998	M	Nitrogen Oxides (Nox/NO <sub>2</sub> )	Leave Blank
ISO 10849:1996	M	Nitrogen Oxides (Nox/NO <sub>2</sub> )	Leave Blank
EN 13649:2001	M	Non-Methane Volatile Organic (NMVOC) & Benzene	Leave Blank
EN 1948-1 to 3:2003	M	PCDD + PCDF(dioxins + furans) (as Teq).	Leave Blank
EN 14791:2005	M	Sulphur Oxides (Sov/SO <sub>2</sub> )	Leave Blank
ISO 7934:1989	M	Sulphur Oxides (Sov/SO <sub>2</sub> )	Leave Blank
ISO 7935: 1992	M	Sulphur Oxides (Sov/SO <sub>2</sub> )	Leave Blank
ISO 11632:1998	M	Sulphur Oxides (Sov/SO <sub>2</sub> )	Leave Blank
ALT	M	Is applicable if the facility is using a CEN or ISO standard but not the one on the approved list in the PRTR Guidance.	Name of the ISO /CEN Standard
CRM	M	If a lab/facility is using a non-ISO/CEN Method that is validated and accredited or has been accepted by the Agency.	Name of the non-ISO/CEN Standard
ETS	C	If a facility is registered as part of the Emission Trading Scheme.	Leave Blank
OTH	M/C	If the method or the calculation does not fall under any of the method codes e.g. in-house methodology not based on CEN/ISO standard.	Brief & specific description of the method / Calculation used.
PER	M/C	This is only applicable if the facility's license specifies a specific standard method to use e.g. Use ISO... If you license states to use Standard Method or a particular piece of equipment this does not fall under PER.	Name of the prescribed standard
NRB	M/C	Not Applicable to Irish Licenses.	-
MAB	C	Used for the calculation of fugitive emissions.	Brief & specific description of the Calculation used.
SSC	C	The only European wide sector specific calculation method used in Ireland is for Greenhouse methods and this is covered by ETS.	-
ESTIMATE	E	Estimates are used when the releases are determined by best assumptions or expert guesses that are not based on publicly available references or in case of absence of recognised emission estimation methodologies or good practice guidelines.	Leave blank, however a detailed description of how the estimation was undertaken must be outlined in your Annual Environmental Report (AER)

Methods used for determination of releases to water & waste water or sewer: Method Identification Codes			
For each parameter please click on the Method Code that applies. Please take note of the appropriate Method Category (M/C/E) and Method Designation or Description according to this table.			
Method Code	M/C/E	Where this code is applicable	Designation or Description
EN ISO 10301:1997	M	1,2-dichloroethane (EDC), dichloromethane (DCM)	Leave Blank
EN ISO 15680:2003	M	1,2-dichloroethane (EDC), dichloromethane (DCM), tetrachloroethylene (PER), trichlorobenzenes (TCBs) (all isomers), trichloroethylene, trichloromethane, vinyl chloride, benzene, ethyl benzene, naphthalene, toluene, xylenes	Leave Blank
EN ISO 6468:1996	M	Aldrin, DDT, dieldrin, endosulfan, endrin, heptachlor, hexachlorobenzene (HCB), 1,2,3,4,5,6-hexachlorocyclohexane (HCH), lindane, pentachlorobenzene, polychlorinated biphenols (PCBs)	Leave Blank
EN ISO 17993:2003	M	Anthracene, naphthalene, polycyclic aromatic hydrocarbons (PAHs), flouranthene, benzo(g,h,i)perylene	Leave Blank
EN ISO 11969:1996	M	Arsenic & Compounds (as As)	Leave Blank
EN 26595:1992	M	Arsenic & Compounds (as As)	Leave Blank
EN ISO 10695:2000	M	Atrazine, Simanzine	Leave Blank
EN ISO 11423-1 to 2:1997	M	Benzene	Leave Blank
ISO 22032	M	Brominated Biphenylethers (PBDE)	Leave Blank
EN ISO 5961:1995	M	Cadmium & Compounds(as Cd)	Leave Blank
EN ISO 15682:2001	M	Chlorides (as total Cl)	Leave Blank
EN ISO 10304-1 to 4:1995	M	Chlorides (as total Cl), Fluorides (as total F)	Leave Blank
EN 1233:1996	M	Chromium & (as Cr)	Leave Blank
EN ISO 74403:2002	M	Cyanides (as total CN)	Leave Blank
EN ISO 18856:2005	M	Di-(2-ethylhexyl) phthalate (DEHP)	Leave Blank
EN ISO 11369:1997	M	Dibutyltin, Dimethyltin, Diphenyltin, Triphenyltin & Compounds	Leave Blank
EN ISO 9662:2004	M	Halogenated Organics (as AOX)	Leave Blank
EN 1483:1997	M	Mercury & Compounds (as Hg)	Leave Blank
EN 12338:1998	M	Mercury & Compounds (as Hg)	Leave Blank
EN 13506:2001	M	Mercury & Compounds (as Hg)	Leave Blank
EN ISO 17353:2005	M	Organotin (as total Sn), Tributyltin, Triphenyltin & Compounds	Leave Blank
ISO 18073:2004	M	PCDD + PCDF (dioxins + furans) (as Teq)	Leave Blank
ISO 18857-1:2005	M	Phenols (as total C)	Leave Blank
ISO 7981-1 to 2:2005	M	Polycyclic Aromatic Hydrocarbons (PAHs)	Leave Blank
EN 1484:1997	M	Total Organic Carbon (TOC) (as total C or COD/3)	Leave Blank
EN 12260:2003	M	Total Nitrogen	Leave Blank
EN ISO 11905-1:1998	M	Total Phosphorous	Leave Blank
EN ISO 15681-1 to 2:2004	M	Total Phosphorous, Cadmium & compounds, Chromium & Compounds, Copper & Compounds, Nickel & Compounds, Lead & Compounds and Zinc & Compounds.	Leave Blank
EN ISO 11885:1997	M	Total Phosphorous	Leave Blank
EN ISO 6878:2004	M	Total Phosphorous	Leave Blank
ALT	M	Is applicable if the facility is using a CEN or ISO standard but not the one on the approved list in the PRTR Guidance.	Name of the ISO /CEN Standard
CRM	M	If a lab/facility is using a non-ISO/CEN Method that is validated and accredited or has been accepted by the Agency.	Name of the non-ISO/CEN Standard
ETS	C	If a facility is registered as part of the Emission Trading Scheme.	Leave Blank
OTH	M/C	If the method or the calculation does not fall under any of the method codes e.g. in-house methodology not based on CEN/ISO standard.	Brief & specific description of the method / Calculation used.
PER	M/C	This is only applicable if the facility's license specifies a specific standard method to use e.g. Use ISO... If you license states to use Standard Method or a particular piece of equipment this does not fall under PER.	Name of the prescribed standard
NRB	M/C	Not Applicable to Irish Licenses.	-
MAB	C	Used for the calculation of fugitive emissions.	Brief & specific description of the Calculation used.
SSC	C	The only European wide sector specific calculation method used in Ireland is for Greenhouse methods and this is covered by ETS.	-
ESTIMATE	E	Estimates are used when the releases are determined by best assumptions or expert guesses that are not based on publicly available references or in case of absence of recognised emission estimation methodologies or good practice guidelines.	Leave blank, however a detailed description of how the estimation was undertaken must be outlined in your Annual Environmental Report (AER)



Please enter details below then click the OK button

Name of Recoverer / Disposer / Next Destination Facility	
Licence / Permit No. of Recoverer / Disposer / Next Destination Facility	
<b>Address of Recoverer / Disposer / Next Destination Facility</b>	
Address 1 / Street name	
Address 2 / Building number	
Address 3 / City name	
Address 4 / Postcode	
Country	

Please enter a full stop "." in an address field if there is no data to be entered

Alternatively, please select from previously entered details by clicking on the row below then click OK

Name and License / Permit No.	Address of Recoverer / Disposer / Broker
Panda,W0140-03	Beauparc,Navan,Co. Meath,0,Ireland

Please enter details below then click the OK button

Name of Final Recoverer / Disposer	
License / Permit No. of Final Recoverer / Disposer	
<b>Address of Final Recoverer / Disposer</b>	
Address 1 / Street name	
Address 2 / Building number	
Address 3 / City name	
Address 4 / Postcode	
Country	
<b>Address of Actual Recovery / Disposal Site</b>	
Address 1 / Street name	
Address 2 / Building number	
Address 3 / City name	
Address 4 / Postcode	
Country	

Please enter a full stop "." in an address field if there is no data to be entered

**Alternatively, please select from previously entered details by clicking on the row below then click OK**

Name and License / Permit No.	Address of Final Recoverer / Disposer	Address of Actual Recovery / Disposal Site
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Previous years data is correct as at 10/03/2017 15:21

Release_To	Year	Pollutant_Number	Pollutant_Description	M_C_E	Method_Code	Method_Description	Total
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Previous years data is correct as at 10/03/2017 15:21

Year	Destination	EWC	Hazardous	Total	Description	TreatmentOperation	M	C	E	MethodCode	TreatmentLocation	Name	Licence	Permit No	Address	Final	Recoverer	Disposer	Actual	Address	Final	Destination
2015	Within the Country	20 03 01	N	0.72	mixed municipal waste	D15	E			Volume Calculation	Offsite in Ireland	Panda.W0140-03			Beauparc,Navan,Co. Meath,0,Ireland							
2015	Within the Country	20 03 01	N	0.35	mixed municipal waste	R3	E			Volume Calculation	Offsite in Ireland	Panda.W0140-03			Beauparc,Navan,Co. Meath,0,Ireland							

Previous years data is correct as at 10/03/2017 15:21

Type of Waste	Previous Year Total	Current Year Total	Percentage Change
Hazardous Waste inside the country for disposal	0	0	0
Hazardous Waste inside the country for recovery	0	0	0
Hazardous Waste outside the country for disposal	0	0	0
Hazardous Waste outside the country for recovery	0	0	0
Non-Hazardous Waste for disposal	0.72	1.271	76.52777778
Non-Hazardous Waste for recovery	0.35	0.23	-34.28571429