Facility Information Summar	у			
AER Reporting Year	2016			
Licence Register Number	W0151-01			
Name of site	N	lurphy Environme	ental Gormanston	
Site Location	Sar	sfieldstown, Gorn	nanston, Co. Meath	
NACE Code		383	32	
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 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.

Land Restoration - Using clean construction and demolition waste - Soil & Stones and Concrete, in line with licence requirements. It has been agreed with the Agency that W0151-01 is a recovery activity.

There were no infrastructural or other significant changes during the reporting year.

The site reached ist abnnual tonnage limit in July 2016. Waste acceptance ceased at the site in July 2016 until year end.

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.

### **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 Date

(or nominated, suitably qualified and experienced deputy)

	AIR-summary t	template				Lic No:	W0151-01		Year	2016		
	Answer all questio	ns and complete all tables	where relevant					Additional information		1		
1	solvent management plan (table A4 and A5) you <u>do not</u> need to complete the tables						locations in Q2, 201	toring was conducted .6 (30/05/16 to 28/06/ /16) - there were no lee.	5/16) and Q4, 2015			
Periodic/Non-Continuous Monitoring												
2 Are there any results in breach of licence requirements? If yes please provide brief details in the comment section of TableA1 below SELECT												
3		ng carried out in accordanc d using the basic air monit	_	Basic air monitoring checklist	AGN2	SELECT						
	Table A1: Licer	nsed Mass Emissions	/Ambient data-p	eriodic monito	ring (non-continuous)							
	Emission  reference no:  Parameter/ Substance  Frequency of any revision therof  Licence Compliance criteria							Compliant with licence limit	Method of analysis	Annual mass load (kg)	Comments - reason for change in % mass load from previous yea if applicable	
		SELECT			SELECT		SELECT	SELECT	SELECT			
	1			l e e e e e e e e e e e e e e e e e e e						l .	1	

SELECT

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

SELECT

SELECT

SELECT

	AIR-summary template	Lic No:	W0151-01	Year	2016
	Continuous Monitoring				
4	Does your site carry out continuous air emissions monitoring?	SELECT			
	If yes please review your continuous monitoring data and report the required fields below in Table A2 and compare it to its relevant Emission Limit Value (ELV)				
5	Did continuous monitoring equipment experience downtime? If yes please record downtime in table A2 below	SELECT			
6	Do you have a proactive service agreement for each piece of continuous monitoring equipment?	SELECT			
7	Did your site experience any abatement system bypasses? If yes please detail them in table A3 below <b>Table A2: Summary of average emissions -continuous monitoring</b>	SELECT			

Emission	Parameter/ Substance		Averaging Period	Compliance Criteria	Units of	Annual Emission	Annual maximum	Monitoring	Number of ELV	Comments
reference no:					measurement			Equipment	exceedences in	
								downtime (hours)	current	
		ELV in licence or any							reporting year	
		revision therof								
	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

Bypass protocol

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

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

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

	AIR-summary t	template				Lic No:	W0151-01		Year	2016
	Solvent	use and manageme	nt on site							
8	Do you have a total	l Emission Limit Value of di	rect and fugitive emis		please fill out tables A4 and A5		_	SELECT		
		ent Management Pla ssion limit value	n Summary	Solvent Please refer to linked solvent regulations to regulations complete table 5 and 6						
	Reporting year	Total solvent input on site (kg)	Total VOC emissions to Air from entire site (direct and fugitive)	Total VOC emissions as %of solvent input	Total Emission Limit Value (ELV) in licence or any revision therof					
						SELECT SELECT				
	Table A5:	Solvent Mass Baland	ce summary							1
		(I) Inputs (kg)			(O)	Outputs (kg)				
	Solvent	(I) Inputs (kg)		Solvents lost in water (kg)	Collected waste solvent (kg)	Fugitive Organic Solvent (kg)	Solvent released in other ways e.g. by-	Solvents destroyed onsite through	Total emission of Solvent to air (kg)	
								Total		

2016

	AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)	Lic No	o: W0151-01	Year	
			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				

#### Table W1 Storm water monitoring

Location reference	Location relative to site activities	PRTR Parameter	Licenced Parameter	Monitoring date	ELV or trigger level in licence or any revision thereof*	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Comments
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/I	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/I	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		рН	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	
-	аржесин		Eine	10/00/2010	,	пос аррисаоте			110t 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  Not applicable	0.01	mg/l	Not applicable	
ST-2	upstream		Cyanide, Total	16/06/2016	Not applicable	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			Iron	16/06/2016	Not applicable		0.02			
ST-2	upstream upstream		Lead	16/06/2016	Not applicable	Not applicable  Not applicable	0.02	mg/l mg/l	Not applicable  Not applicable	
ST-2	upstream		Magnesium	16/06/2016	Not applicable	Not applicable	13.90		Not applicable  Not applicable	
ST-2					Not applicable		0.00	mg/l		
ST-2	upstream		Manganese	16/06/2016		Not applicable		mg/l	Not applicable	
31-2	upstream		Nickel	16/06/2016	Not applicable	Not applicable	0.002	mg/l	Not applicable	
CT 3	upstream		Odour	16/06/2016	Not applicable	Not applicable	N/A	N/A	Not applicable	
ST-2			and the second							
ST-2 ST-2 ST-2	upstream upstream		Orthophosphates pH	16/06/2016 16/06/2016	Not applicable Not applicable	Not applicable Not applicable	0.070 7.800	mg/l pH units	Not applicable Not applicable	

	AER Monitori	ing returns su	mmary template-WATER/WASTEWATER(S	EWER)	Lic No: W0151-01				Year		
	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	оС	Not applicable		
	ST-2	upstream	Zinc	16/06/2016	Not applicable	Not applicable	0.003	mg/l	Not applicable		
ſ											
	•									•	

<sup>\*</sup>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		

	AER Monitor	ing returns su	mmary template-W	ATER/WASTEWATER(SE	WER)		Lic No:	W0151-01		Year	2016				
3	Was there any result in breach of licence requirements? If yes please provide brief details in the comment section of Table W3 below  Was all monitoring carried out in accordance with EPA guidance and checklists for Quality of Aqueous Monitoring Data Reported to the EPA? If no please detail what areas require improvement in additional information box  Table W3: Licensed Emissions to water and /or wastewater (sewer)-periodic monitoring (non-continuous)														
	Emission   Emission   Emission   Parameter   Type of sample   Type of sample   SELECT   SELEC										Comments				
5	Note 2: Where Er	nission Limit Value	cluded as a reportable para es (ELV) do not apply to yo us emissions to water/sewe	ur licence please compare resu	lts against EQS for	SELECT	elevant receptor qualit	cy standards Additional Information		]					
6	Emission Limit Va	alue (ELV)		elow in Table W4 and compar		SELECT									
7 Do you have a proactive service contract for each piece of continuous monitoring equipment on site?  8 Did abatement system bypass occur during the reporting year? If yes please complete table W5 below  SELECT															
	Table W4: Su	mmary of ave	erage emissions -con	tinuous monitoring	_	SEECI									
	Emission reference no:	Emission released to	Parameter/ Substance	ELV or trigger values in licence or any revision thereof	Averaging Period	Compliance Criteria	measurement	Annual Emission for current reporting year (kg)	% change +/- from previous reporting year	Monitoring Equipment downtime (hours)	Number of ELV exceedences in reporting year	Comm	ents		
		SELECT SELECT	SELECT SELECT		SELECT SELECT	SELECT SELECT	SELECT SELECT								

note 1 · Volumetr	ic flow shall be inc	luded as a r	enortable narar	meter

Table W5: Abatement system bypass reporting table

Tubic W.J. A	outerneric syst	ciii bypass reporting	tubic				
Date	Duration (hours)	Location	Resultant emissions	Reason for	Corrective	Was a report	When was this report submitted?
				bypass	action*	submitted to the	
						EPA?	
						SELECT	

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

Bund/Pipeline test	ting template				Lic No:	W0151-01		Year	201	6				I
Bund testing	1	dropdown menu	click to see options				Additional information							
		integrity testing on bunds and co	ntainment structures ? if yes p				Bund testing is stipulated in W0151- 01; however fuel is no longer stored on site (the plant items which							
		de the licenced testing period (m				Yes	required diesel are no longer on site). Bund testing has, therefore, not been required (diesel tanks are empty).							
Please provide integrity	y testing frequency perio	od				SELECT	empty).	<u> </u>						
		lerground pipelines (including sto	ormwater and foul), Tanks, sun	ps and containers? (contain	ners refers to "Chemstore									
type units and mobile b How many bunds are or						SELECT		+						
		thin the required test schedule?						†						
How many mobile bund								]						
	ncluded in the bund test	t schedule? sted within the required test sch				SELECT		+						
	te are included in the int		eduler					+						
		within the test schedule?						†						
	tegrity failures in table E							<del>-</del>						
Do all sumps and chamb			2			SELECT		+						
		d in a maintenance and testing pour integrity test programme?	rogramme?			SELECT SELECT		+						
is the rife water neteri	icion r ona meiadea in ye	our integrity test programme:				SEEECI		4						
Tabl	le B1: Summary details o	of bund /containment structure in	ntegrity test											
														Re
									Integrity reports					ret
Bund/Containment									maintained on		Integrity test failure		Scheduled date	
structure ID	Type SELECT	Specify Other type	Product containment	Actual capacity	Capacity required*	Type of integrity test SELECT	Other test type	Test date	site? SELECT	Results of test SELECT	explanation <50 words	Corrective action taken SELECT	for retest	rep
	SELECT					SELECT			SELECT	SELECT		SELECT	_	+
		nt rule as detailed in your licence				-	Commentary	-			•		-	
line with BS8007/EPA G		ance with licence requirements a	and are all structures tested in	bunding and storage guideli	inge	SELECT								
		inment systems tested?		buriding and storage guiden	1163	SELECT		†						
		th integrity and available volume	?			SELECT		İ						
		_												
	und structure testing	integrity testing* on underground	d structures e a ninelines or su	imns etc 2 if yes please fill c	ust table 2 below listing a	11		7						
		hich failed the integrity test and				SELECT								
Please provide integrity						SELECT		1						
*please note integrity to	testing means water tigh	tness testing for process and fou	Il pipelines (as required under	your licence)										
Table	B2: Summary details of	pipeline/underground structures	integrity test	7										
				Type of secondary containment										
				containment				Integrity test						
Structure ID	Type system	Material of construction:	Does this structure have Secondary containment?		Type integrity testing	Integrity reports maintained on site?	Results of test	failure explanation <50 words	Corrective action taken	Scheduled date for retest	Results of retest(if in current reporting year)	A		
	SELECT	SELECT SELECT	SELECT SELECT	SELECT	SELECT	SELECT	SELECT SELECT	~50 WOLUS	taken	ior retest	SELECT	i		
												4		
												4		
		Please use com	nmentary for additional details	not answered by tables/ qu	estions above									

Groundwater/Soil monitoring template Lic No: W0151-01 Year 2016

		Comments	
1 Are you required to carry out groundwater monitoring as part of your licence requirements?	yes		Please provide an interpretation of groundwater monitoring data in the
2 Are you required to carry out soil monitoring as part of your licence requirements?	no		interpretation box below or if you require additional space please include a
Do you extract groundwater for use on site? If yes please specify use in comment section	no		groundwater/contaminated land monitoring results interpretaion as an additional section in this AER
Do monitoring results show that groundwater generic assessment criteria such as GTVs or IGVs are exceeded or is  4 there an upward trend in results for a substance? If yes, please complete the Groundwater Monitoring Guideline Template Groundwater Report (link in cell G8) and submit separately through ALDER as a licensee return AND answer questions 5-12 below. template	no		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 tirgger levels/ELVs are thought to be largely related to external sources, and not as a result of the operation of the subject facility.
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 assesment 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		

## **Table 1: Upgradient Groundwater monitoring results**

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

Groundwater	/Soil monit	oring templa	ite		Lic No:	W0151-01		Year	2016	
03/03/2016 10/08/2016	MW-18	рН	Field analysis	Biannual	8.300	8.200	рН	W0151-01 EPA Trigger Level	6 <ph<9< td=""><td>No</td></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 03/03/2016 10/08/2016	MW-18	Boron	Lab analysis	Biannual	0.012	0.012	mg/l	W0151-01 EPA	N/A	No
03/03/2016 03/03/2016 10/08/2016	MW-18	Cadmium	Lab analysis	Biannual	0.001	0.001	mg/l	Trigger Level 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

Groundwater	/Soil monite	oring templa	ite		Lic No:	W0151-01		Year	2016	
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 03/03/2016 10/08/2016	MW-19	Dissolved	Field analysis	Biannual	4.000	4.000	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 03/03/2016 10/08/2016	MW-19	Oxygen Level, Water	Field analysis	Biannual	13.560	12.505	mOD	W0151-01 EPA Trigger Level	N/A	No
03/03/2016 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 03/03/2016 10/08/2016	MW-19	рН	Field analysis	Biannual	7.600	7.400	рН	W0151-01 EPA Trigger Level	6 <ph<9< td=""><td>No</td></ph<9<>	No
03/03/2016 10/08/2016	MW-19	Temperature	Field analysis	Biannual	12.800	11.300	оС	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	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-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
10, 00, 2010		1						THAMEL LEVEL		
03/03/2016	MW-21	Ammoniacal	Lab analysis	Quarterly	0.240	0.105	mg/I NH4-N	W0151-01 EPA	N/A	No
16/06/2016	21	Nitrogen	200 0.1019515	Qualterly	3.240	5.105		Trigger Level	,15	.40
10/08/2016		oge						mager zever		
01/12/2016										
03/03/2016	MW-21	Chloride	Lab analysis	Quarterly	75.200	71.200	mg/l	W0151-01 EPA	70	No
16/06/2016			•	•			Ç,	Trigger Level		
10/08/2016										
01/12/2016										
03/03/2016	MW-21	Phenols, Total	Lab analysis	Quarterly	0.100	0.100	mg/l	W0151-01 EPA	0.1	No
16/06/2016								Trigger Level		
10/08/2016										
01/12/2016										
03/03/2016	MW-21	Sulphate	Lab analysis	Quarterly	216.370	166.233	mg/l	W0151-01 EPA	140	No
16/06/2016								Trigger Level		
10/08/2016										
01/12/2016 03/03/2016	MW-21	Total Organic	Lab analysis	Quartorly	7.000	3.500	mg/l	W0151-01 EPA	50	No
16/06/2016	IVIVV-21	Total Organic Carbon	Lau analysis	Quarterly	7.000	3.500	ing/i	Trigger Level	50	INO
10/08/2016		Carbon						iligger Level		
10/08/2016 01/12/2016										
03/03/2016	MW-21	Colour	Field analysis	Quarterly	#VALUE!	#VALUE!	N/A	W0151-01 EPA	N/A	No
16/06/2016			,	<b></b>			.,	Trigger Level	,	
10/08/2016										
01/12/2016										
03/03/2016	MW-21	Conductivity	Field analysis	Quarterly	1.580	1.318	mS/cm	W0151-01 EPA	1	No
16/06/2016								Trigger Level		
10/08/2016										
01/12/2016										
03/03/2016	MW-21	Dissolved	Field analysis	Quarterly	8.000	6.000	mg/l	W0151-01 EPA	N/A	No
16/06/2016		Oxygen						Trigger Level		
10/08/2016										
01/12/2016 03/03/2016	MW-21	Level, Water	Field analysis	Quartarly	12.880	11.125	mOD	W0151-01 EPA	N/A	No
	14144-51	Level, Water	rieiu allalysis	Quarterly	12.000	11.123	מטווו		IN/A	INU
16/06/2016 10/08/2016								Trigger Level		
01/12/2016										
03/03/2016	MW-21	Odour	Field analysis	Quarterly	#VALUE!	#VALUE!	N/A	W0151-01 EPA	N/A	No
16/06/2016							,	Trigger Level	•	
10/08/2016								55		
01/12/2016										
03/03/2016	MW-21	pН	Field analysis	Quarterly	7.900	7.575	рН	W0151-01 EPA	6 <ph<9< td=""><td>No</td></ph<9<>	No
16/06/2016								Trigger Level		
10/08/2016										
01/12/2016		+-			11.000					
03/03/2016	MW-21	Temperature	Field analysis	Quarterly	14.600	12.325	оС	W0151-01 EPA	N/A	No
16/06/2016								Trigger Level		
10/08/2016										
01/12/2016 03/03/2016	MW-21	Alkalinity,	Lab analysis	Quarterly	1476.000	1476.000	mg/l	W0151-01 EPA	N/A	No
16/06/2016	10100-21	Total	Lau allalysis	Quarterly	1470.000	14/0.000	IIIg/I	Trigger Level	IN/A	INU
10/08/2016		IULdi						rrigger Level		
	1				1					
01/12/2016	MW-21	Boron	Lab analysis	Quarterly	0.050	0.050	mg/l	W0151-01 FPA	N/A	No
01/12/2016 03/03/2016	MW-21	Boron	Lab analysis	Quarterly	0.050	0.050	mg/l	W0151-01 EPA Trigger Level	N/A	No
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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Groundwater	/Soil monit	oring templa	ite		Lic No:	W0151-01		Year	2016			
03/03/2016	MW-21	Cadmium	Lab analysis	Quarterly	0.001	0.001	mg/l	W0151-01 EPA	0.004	No		
16/06/2016								Trigger Level				
10/08/2016												
01/12/2016												
03/03/2016	MW-21	Calcium	Lab analysis	Quarterly	203.800	203.800	mg/l	W0151-01 EPA	N/A	No		
16/06/2016								Trigger Level				
10/08/2016												
01/12/2016												
03/03/2016	MW-21	Chromium,	Lab analysis	Quarterly	0.002	0.002	mg/l	W0151-01 EPA	N/A	No		
16/06/2016		Total						Trigger Level				
10/08/2016												
01/12/2016												
03/03/2016	MW-21	Coliforms,	Lab analysis	Quarterly	1.000	1.000	cfus/100ml	W0151-01 EPA	N/A	No		
16/06/2016		Faecal	•	•				Trigger Level				
10/08/2016		, accai						1118861 20101				
01/12/2016												
03/03/2016	MW-21	Coliforms,	Lab analysis	Quarterly	1.000	1.000	cfus/100ml	W0151-01 EPA	N/A	No		
16/06/2016		Total			1.000	2.000	5.55/ 200	Trigger Level	,			
10/08/2016												
01/12/2016					1							
03/03/2016	MW-21	Copper	Lab analysis	Quarterly	0.007	0.007	mg/l	W0151-01 EPA	0.5	No		
16/06/2016		In In						Trigger Level				
10/08/2016								THESE LEVEL				
01/12/2016												
03/03/2016	MW-21	Cyanide	Lab analysis	Quarterly	0.010	0.010	mg/l	W0151-01 EPA	N/A	No		
16/06/2016	22	Cyamac	Lab analysis	Quarterry	0.010	0.010	6/	Trigger Level	.,,,,			
10/08/2016								THESE LEVEL				
01/12/2016												
03/03/2016	MW-21	Fluoride	Lab analysis	Quarterly	0.300	0.300	mg/l	W0151-01 EPA	N/A	No		
16/06/2016	10100 21	ridoride	Lab analysis	Quarterly	0.500	0.500	1116/1	Trigger Level	14/73	110		
10/08/2016								THESE LEVEL				
01/12/2016												
03/03/2016	MW-21	Iron	Lab analysis	Quarterly	0.020	0.020	mg/l	W0151-01 EPA	N/A	No		
16/06/2016	10100 21	11011	Lab analysis	Quarterly	0.020	0.020	1116/1	Trigger Level	14/73	110		
10/08/2016								rrigger Lever				
01/12/2016												
03/03/2016	MW-21	Lead	Lab analysis	Quarterly	0.005	0.005	mg/l	W0151-01 EPA	N/A	No		
16/06/2016	10100 21	Lead	Lab analysis	Quarterly	0.005	0.003	1116/1	Trigger Level	14/73	110		
10/08/2016								iliggei Levei				
01/12/2016												
03/03/2016	MW-21	Magnesium	Lab analysis	Quarterly	0.000	0.000	mg/l	W0151-01 EPA	N/A	No		
16/06/2016	14144-51	iriagnesiuni	Lub undiyala	Quarterly	0.000	3.000	1116/1	Trigger Level	17/7	140		
					1			IIIggei Level				
10/08/2016					1							
01/12/2016 03/03/2016	MW-21	Manganese	Lab analysis	Quarterly	0.002	0.002	mg/l	W0151-01 EPA	N/A	No		
16/06/2016	10100-21	ivialigatiese	Lau anaiysis	Quarterly	0.002	0.002	IIIg/I		IN/A	NU		
					1			Trigger Level				
10/08/2016												
01/12/2016 03/03/2016	MW-21	Mercury	Lab analysis	Quarterly	0.001	0.001	mg/l	W0151-01 EPA	N/A	No		
16/06/2016	10100-21	iviercury	Lau analysis	Quarterly	0.001	0.001	ilig/i	Trigger Level	IN/A	INU		
					1			rrigger Level				
10/08/2016					1							
01/12/2016 03/03/2016	MW-21	Nickel	Lab analysis	Quarterly	0.002	0.002	mg/l	W0151-01 EPA	N/A	No		
	IVIVV-Z1	Mickel	Lab allalysis	Quarterly	0.002	0.002	IIIg/I		N/A	NU		
16/06/2016					1			Trigger Level				
10/08/2016					1							
01/12/2016	DAVA ( 24	Outhanhani	Lab analysis	O	0.000	0.000	/1	W0151 01 554	N1 / A	N-		
03/03/2016	MW-21	Orthophospha	Lab analysis	Quarterly	0.060	0.060	mg/l	W0151-01 EPA	N/A	No		
16/06/2016		tes						Trigger Level				
10/08/2016					1							
01/12/2016						1						

Groundwater/	Soil monit	oring templa	te		Lic No:	W0151-01		Year	2016	
03/03/2016	MW-21	Phosphorous,	Lab analysis	Quarterly	5.774	5.774	mg/l	W0151-01 EPA	N/A	No
16/06/2016	-	Total	. ,	,			u,	Trigger Level	•	
10/08/2016		'						552. 22.6.		
01/12/2016										
03/03/2016	MW-21	Potassium	Lab analysis	Quarterly	3.800	3.800	mg/l	W0151-01 EPA	N/A	No
16/06/2016	21	· otassiaiii	200 0019515	Qualitary	5.500	3.000	.118/1	Trigger Level	,6	.,,
								iliggei Level		
10/08/2016										
01/12/2016	101121	D 11	1.1	0 1 1	0.476.000	0.476.000	/1	14/0454 04 55 :	**/*	
03/03/2016	MW-21	Residue on	Lab analysis	Quarterly	9476.000	9476.000	mg/l	W0151-01 EPA	N/A	No
16/06/2016		Evaporation						Trigger Level		
10/08/2016										
01/12/2016										
03/03/2016	MW-21	Sodium	Lab analysis	Quarterly	50.600	50.600	mg/l	W0151-01 EPA	80	No
16/06/2016								Trigger Level		
10/08/2016								35.4		
01/12/2016										
03/03/2016	MW-21	Total Oxidized	Lab analysis	Quarterly	11.900	11.900	mg/l	W0151-01 EPA	N/A	No
16/06/2016		Nitrogen		Q00.10.17	11.500	11.500		Trigger Level	.,,	
		WILLOGEIL						iliggei Level		
10/08/2016										
01/12/2016	MW-21	Zinc	Lab analysis	Quartarly	0.003	0.003	m=/I	W0151-01 EPA	N/A	No
03/03/2016	IVIVV-ZI	ZINC	Lab analysis	Quarterly	0.003	0.003	mg/l		IN/A	INO
16/06/2016								Trigger Level		
10/08/2016										
01/12/2016		1								
03/03/2016	MW-24	Ammoniacal	Lab analysis	Biannual	0.030	0.030	mg/l NH4-N	W0151-01 EPA	N/A	No
10/08/2016		Nitrogen			<u>                                     </u>			Trigger Level		
03/03/2016	MW-24	Chloride	Lab analysis	Biannual	38.400	35.000	mg/l	W0151-01 EPA	70	No
10/08/2016			. ,				O,	Trigger Level		
03/03/2016	MW-24	Phenols, Total	Lab analysis	Biannual	0.100	0.100	mg/l	W0151-01 EPA	0.1	No
10/08/2016					3.200	1.200		Trigger Level		
03/03/2016	MW-24	Sulphate	Lab analysis	Biannual	31.030	30,940	mg/l	W0151-01 EPA	140	No
10/08/2016	1V1VV-Z-+	Julphate	Lab allalysis	Diamilia	31.030	30.340	1116/1	Trigger Level	140	140
03/03/2016	MW-24	Total Organic	Lab analysis	Biannual	2.000	2.000	mg/l	W0151-01 EPA	50	No
	IVIVV-24		Lab allalysis	Didilliudi	2.000	2.000	IIIg/I		30	INU
10/08/2016		Carbon						Trigger Level		
02/02/2016	B 4147 2.6	Calaur	Ciald analysis	Diamonal	40/411151	#2/411151	NI/A	W0151 01 554	N1 / A	N-
03/03/2016	MW-24	Colour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA	N/A	No
10/08/2016							-,	Trigger Level		
03/03/2016	MW-24	Conductivity	Field analysis	Biannual	0.840	0.820	mS/cm	W0151-01 EPA	1	No
10/08/2016		<u> </u>						Trigger Level		
03/03/2016	MW-24	Dissolved	Field analysis	Biannual	6.000	6.000	mg/l	W0151-01 EPA	N/A	No
10/08/2016		Oxygen						Trigger Level		
03/03/2016	MW-24	Level, Water	Field analysis	Biannual	13.010	11.135	mOD	W0151-01 EPA	N/A	No
10/08/2016			•					Trigger Level	•	
03/03/2016	MW-24	Odour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA	N/A	No
10/08/2016			. ,				,	Trigger Level	•	
03/03/2016	MW-24	рН	Field analysis	Biannual	7.700	7.500	pH	W0151-01 EPA	6 <ph<9< td=""><td>No</td></ph<9<>	No
10/08/2016	27	۲۰۰۱	. icia aliaiyala	S.G. Aldui	,00	7.500	pri	Trigger Level	0.61143	.40
03/03/2016	MW-24	Temperature	Field analysis	Biannual	11.800	10.650	оС	W0151-01 EPA	N/A	No
	IVI VV-24	remperature	rieiu aildiysis	Diaiilludi	11.000	10.030	UC .		IN/A	INU
10/08/2016	NAVA 2.4	Alkali-i+	Lob on-livele	Dianarral	220.000	220.000	/I	Trigger Level	NI / A	NI-
03/03/2016	MW-24	Alkalinity,	Lab analysis	Biannual	338.000	338.000	mg/l	W0151-01 EPA	N/A	No
10/08/2016		Total					,	Trigger Level		
03/03/2016	MW-24	Boron	Lab analysis	Biannual	0.025	0.025	mg/l	W0151-01 EPA	N/A	No
10/08/2016								Trigger Level		
03/03/2016	MW-24	Cadmium	Lab analysis	Biannual	0.001	0.001	mg/l	W0151-01 EPA	0.004	No
10/08/2016								Trigger Level		
03/03/2016	MW-24	Calcium	Lab analysis	Biannual	147.400	147.400	mg/l	W0151-01 EPA	N/A	No
10/08/2016			•				-	Trigger Level	*	
		Chromium,	Lab analysis	Biannual	0.002	0.002	mg/l	W0151-01 EPA	N/A	No
03/03/2016	MW-24									
03/03/2016 10/08/2016	MW-24	Total	Lab allalysis	Diaminadi	0.002	0.002	6/	Trigger Level	,	

oundwater	r/Soil monit	oring templa	ate		Lic No:	W0151-01		Year	2016	5
03/03/2016	MW-24	Coliforms,	Lab analysis	Biannual	122.000	122.000	cfus/100ml	W0151-01 EPA	N/A	No
10/08/2016		Faecal			1			Trigger Level		
03/03/2016	MW-24	Coliforms,	Lab analysis	Biannual	4.000	4.000	cfus/100ml	W0151-01 EPA	N/A	No
10/08/2016		Total						Trigger Level		
03/03/2016	MW-24	Copper	Lab analysis	Biannual	0.007	0.007	mg/l	W0151-01 EPA	0.5	No
10/08/2016								Trigger Level		
03/03/2016	MW-24	Cyanide	Lab analysis	Biannual	0.010	0.010	mg/l	W0151-01 EPA	N/A	No
10/08/2016			•					Trigger Level		
03/03/2016	MW-24	Fluoride	Lab analysis	Biannual	0.300	0.300	mg/l	W0151-01 EPA	N/A	No
10/08/2016					0.000			Trigger Level	,	
03/03/2016	MW-24	Iron	Lab analysis	Biannual	0.020	0.020	mg/l	W0151-01 EPA	N/A	No
10/08/2016	2.		Lab analysis	Diamidai	0.020	0.020	6/ .	Trigger Level	,	
03/03/2016	MW-24	Lead	Lab analysis	Biannual	0.005	0.005	mg/l	W0151-01 EPA	N/A	No
10/08/2016	10100-24	Lead	Lab allalysis	Diamilia	0.003	0.005	1118/1		11/15	140
	MW-24	N4=====i=	tala analosia	Diagram	11 500	11.500	/1	Trigger Level	N1 / A	No
03/03/2016	IVIVV-24	Magnesium	Lab analysis	Biannual	11.500	11.500	mg/l	W0151-01 EPA	N/A	NO
10/08/2016	101/25	+	1.1	n: .	0.000	0.000	//	Trigger Level	**/*	
03/03/2016	MW-24	Manganese	Lab analysis	Biannual	0.002	0.002	mg/l	W0151-01 EPA	N/A	No
10/08/2016	1	-						Trigger Level		
03/03/2016	MW-24	Mercury	Lab analysis	Biannual	0.001	0.001	mg/l	W0151-01 EPA	N/A	No
10/08/2016								Trigger Level		
03/03/2016	MW-24	Nickel	Lab analysis	Biannual	0.002	0.002	mg/l	W0151-01 EPA	N/A	No
10/08/2016								Trigger Level		
03/03/2016	MW-24	Orthophospha	Lab analysis	Biannual	0.060	0.060	mg/l	W0151-01 EPA	N/A	No
10/08/2016		tes			1		-	Trigger Level		
03/03/2016	MW-24	Phosphorous,	Lab analysis	Biannual	0.242	0.242	mg/l	W0151-01 EPA	N/A	No
10/08/2016		Total					3,	Trigger Level	,	
03/03/2016	MW-24	Potassium	Lab analysis	Biannual	3.200	3.200	mg/l	W0151-01 EPA	N/A	No
10/08/2016		. 0.005.0111		5.0001	5.200	5.200	6/ .	Trigger Level	,,.	
03/03/2016	MW-24	Residue on	Lab analysis	Biannual	720.000	720.000	mg/l	W0151-01 EPA	N/A	No
10/08/2016	2-	Evaporation	200 0.1019515	Samua	, 20.000	, 20.000	1116/1	Trigger Level	,//	140
03/03/2016	MW-24	Sodium	Lab analysis	Biannual	24.100	24.100	mg/l	W0151-01 EPA	80	No
	10100-24	Souluiti	Lab allalysis	Didililudi	24.100	24.100	mg/i		80	INO
10/08/2016	104/24	T	1.1	D:	5.000	5.000		Trigger Level	11/4	
03/03/2016	MW-24	Total Oxidized	Lab analysis	Biannual	5.000	5.000	mg/l	W0151-01 EPA	N/A	No
10/08/2016		Nitrogen						Trigger Level		
03/03/2016	MW-24	Zinc	Lab analysis	Biannual	0.003	0.003	mg/l	W0151-01 EPA	N/A	No
10/08/2016								Trigger Level		
03/03/2016	MW-25	Ammoniacal	Lab analysis	Biannual	0.030	0.030	mg/l NH4-N	W0151-01 EPA	N/A	No
10/08/2016		Nitrogen						Trigger Level		
03/03/2016	MW-25	Chloride	Lab analysis	Biannual	37.200	35.350	mg/l	W0151-01 EPA	70	No
10/08/2016					1		-	Trigger Level		
03/03/2016	MW-25	Phenols, Total	Lab analysis	Biannual	0.100	0.100	mg/l	W0151-01 EPA	0.1	No
10/08/2016	1	,						Trigger Level		
03/03/2016	MW-25	Sulphate	Lab analysis	Biannual	30.010	29.280	mg/l	W0151-01 EPA	140	No
10/08/2016	1	Jaiphate		5.0001	50.015	25.255	6/ .	Trigger Level	1.0	
03/03/2016	MW-25	Total Organic	Lab analysis	Biannual	2.000	2.000	mg/l	W0151-01 EPA	50	No
	19177-23	_	Law arialysis	Dialilluai	2.000	2.000	IIIg/I		30	INU
10/08/2016		Carbon						Trigger Level		
02/02/2016	MW-25	Cel	Field are trest	Biannual	#VALUE!	#\/^!!!	A1 / A	W01E1 01 ED1	NI/A	NI -
03/03/2016	IVIW-25	Colour	Field analysis	Biannuai	#VALUE!	#VALUE!	N/A	W0151-01 EPA	N/A	No
10/08/2016		- · · · ·		- ·			- 1	Trigger Level		
	MW-25	Conductivity	Field analysis	Biannual	0.860	0.845	mS/cm	W0151-01 EPA	1	No
03/03/2016	1							Trigger Level		
10/08/2016	+		Field analysis	Biannual	7.000	7.000	mg/l	W0151-01 EPA	N/A	No
10/08/2016 03/03/2016	MW-25	Dissolved	ricia ariarysis			1		Trigger Level		
10/08/2016 03/03/2016 10/08/2016		Oxygen								
10/08/2016 03/03/2016	MW-25		Field analysis	Biannual	11.970	10.065	mOD	W0151-01 EPA	N/A	No
10/08/2016 03/03/2016 10/08/2016		Oxygen		Biannual	11.970	10.065	mOD		N/A	No
10/08/2016 03/03/2016 10/08/2016 03/03/2016		Oxygen		Biannual Biannual	11.970 #VALUE!	10.065 #VALUE!	mOD N/A	W0151-01 EPA	N/A N/A	No No
10/08/2016 03/03/2016 10/08/2016 03/03/2016 10/08/2016 03/03/2016	MW-25	Oxygen Level, Water	Field analysis					W0151-01 EPA Trigger Level W0151-01 EPA	,	
10/08/2016 03/03/2016 10/08/2016 03/03/2016 10/08/2016	MW-25	Oxygen Level, Water	Field analysis					W0151-01 EPA Trigger Level	,	

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03/03/2016	MW-25	Temperature	Field analysis	Biannual	13.600	11.300	оС	W0151-01 EPA	N/A	No	
10/08/2016 03/03/2016	MW-25	Alkalinity,	Lab analysis	Biannual	344.000	344.000	mg/l	Trigger Level W0151-01 EPA	N/A	No	
10/08/2016 03/03/2016	MW-25	Total Boron	Lab analysis	Biannual	0.012	0.012	mg/l	Trigger Level W0151-01 EPA	N/A	No	
10/08/2016		Вогоп	Lab analysis	Diaminual			1116/1	Trigger Level	,		
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	N/A	No	
03/03/2016	MW-25	Chromium,	Lab analysis	Biannual	0.002	0.002	mg/l	Trigger Level W0151-01 EPA	N/A	No	
10/08/2016 03/03/2016	MW-25	Total Coliforms,	Lab analysis	Biannual	1.000	1.000	cfus/100ml	Trigger Level W0151-01 EPA	N/A	No	
10/08/2016 03/03/2016	MW-25	Faecal Coliforms,	Lab applysis	Biannual	16.000	16.000	cfus/100ml	Trigger Level W0151-01 EPA	N/A	No	
10/08/2016		Total	Lab analysis				·	Trigger Level	,		
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	MW-25	Fluoride	Lab analysis	Biannual	0.300	0.300	mg/l	W0151-01 EPA	N/A	No	
10/08/2016 03/03/2016	MW-25	Iron	Lab analysis	Biannual	0.020	0.020	mg/l	Trigger Level W0151-01 EPA	N/A	No	
10/08/2016 03/03/2016	MW-25	Lead	Lab analysis	Biannual	0.050	0.050	mg/l	Trigger Level W0151-01 EPA	N/A	No	
10/08/2016 03/03/2016	MW-25	Magnesium	Lab analysis	Biannual	11.800	11.800	mg/l	Trigger Level W0151-01 EPA	N/A	No	
10/08/2016		_	·					Trigger Level	·		
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	MW-25	Nickel	Lab analysis	Biannual	0.002	0.002	mg/l	W0151-01 EPA	N/A	No	
10/08/2016 03/03/2016	MW-25	Orthophospha	Lab analysis	Biannual	0.060	0.060	mg/l	Trigger Level W0151-01 EPA	N/A	No	
10/08/2016 03/03/2016	MW-25	tes Phosphorous,	Lab analysis	Biannual	0.541	0.541	mg/l	Trigger Level W0151-01 EPA	N/A	No	
10/08/2016 03/03/2016	MW-25	Total Potassium	Lab analysis	Biannual	3.400	3.400	mg/l	Trigger Level W0151-01 EPA	N/A	No	
10/08/2016								Trigger Level	·		
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	MW-25	Zinc	Lab analysis	Biannual	0.003	0.003	mg/l	W0151-01 EPA	N/A	No	
10/08/2016								Trigger Level			
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	TW-2	Chloride	Lab analysis	Biannual	26.400	25.600	mg/l	W0151-01 EPA	70	No	
10/08/2016 03/03/2016	TW-2	Phenols, Total	Lab analysis	Biannual	0.100	0.100	mg/l	Trigger Level W0151-01 EPA	0.1	No	
10/08/2016 03/03/2016	TW-2	Sulphate	Lab analysis	Biannual	7.990	4.070	mg/l	Trigger Level W0151-01 EPA	140	No	
10/08/2016		· ·	·	Biannual		2.000		Trigger Level	50		
03/03/2016	TW-2	Total Organic Carbon	Lab analysis	Biannuai	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	N/A	No
03/03/2016 03/03/2016 10/08/2016	TW-2	Odour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	Trigger Level W0151-01 EPA Trigger Level	N/A	No
03/03/2016 03/03/2016 10/08/2016	TW-2	рН	Field analysis	Biannual	9.200	9.150	рН	W0151-01 EPA Trigger Level	6 <ph<9< td=""><td>No</td></ph<9<>	No
03/03/2016 10/08/2016	TW-2	Temperature	Field analysis	Biannual	11.800	10.750	оС	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 03/03/2016 16/06/2016 10/08/2016	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 03/03/2016 16/06/2016 10/08/2016 01/12/2016	MW-1	рН	Field analysis	Quarterly	8.300	8.050	рН	W0151-01 EPA Trigger Level	6 <ph<9< td=""><td>No</td></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	оС	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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			1		1	1		1	2010		
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	Orthophospha tes	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	
								1			
03/03/2016 10/08/2016	MW-2	Ammoniacal Nitrogen	Lab analysis	Biannual	0.050	0.040	mg/I 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 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	рН	Field analysis	Biannual	9.000	8.800	рН	W0151-01 EPA Trigger Level	6 <ph<9< td=""><td>No</td><td></td></ph<9<>	No	
03/03/2016 10/08/2016	MW-2	Temperature	Field analysis	Biannual	15.900	13.450	оС	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/I	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 W0151-01 EPA	N/A	No	
03/03/2016 10/08/2016	MW-2	Fluoride	Lab analysis	Biannual	0.300	0.300	mg/l	Trigger Level W0151-01 EPA W0151-01 EPA	N/A	No	
03/03/2016 10/08/2016 03/03/2016	MW-2	Iron	Lab analysis	Biannual	0.032	0.032	mg/l	Trigger Level W0151-01 EPA W0151-01 EPA	N/A	No	
10/08/2016 03/03/2016	MW-2	Lead	Lab analysis	Biannual	0.005	0.005	mg/l	Trigger Level W0151-01 EPA	N/A	No	
10/08/2016 03/03/2016	MW-2	Magnesium	Lab analysis	Biannual	7.400	7.400	mg/l	Trigger Level W0151-01 EPA	N/A	No No	
10/08/2016 03/03/2016	MW-2	Manganese Mercury	Lab analysis  Lab analysis	Biannual	0.130	0.130	mg/l	Trigger Level W0151-01 EPA	N/A	No No	
10/08/2016 03/03/2016	MW-2	Nickel	Lab analysis	Biannual	0.001	0.001	mg/l mg/l	Trigger Level W0151-01 EPA	N/A N/A	No No	
10/08/2016 03/03/2016	MW-2	Orthophospha	Lab analysis	Biannual	0.020	0.020	mg/l	Trigger Level W0151-01 EPA	N/A	No	
10/08/2016 03/03/2016	MW-2	Phosphorous,	Lab analysis	Biannual	0.237	0.237	mg/l	Trigger Level W0151-01 EPA	N/A	No	
10/08/2016 03/03/2016	MW-2	Total Potassium	Lab analysis	Biannual	2.800	2.800	mg/l	Trigger Level W0151-01 EPA	N/A	No	
10/08/2016 03/03/2016 10/08/2016	MW-2	Residue on Evaporation	Lab analysis	Biannual	497.000	497.000	mg/l	Trigger Level W0151-01 EPA Trigger Level	N/A	No	
03/03/2016 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	рН	Field analysis	Biannual	8.000	7.800	рН	W0151-01 EPA Trigger Level	6 <ph<9< td=""><td>No</td></ph<9<>	No
03/03/2016 10/08/2016	MW-3	Temperature	Field analysis	Biannual	13.000	11.350	оС	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 W0151-01 EPA	N/A	No
03/03/2016 10/08/2016 03/03/2016	MW-3	Cadmium	Lab analysis	Biannual	0.001	0.001	mg/l	Trigger Level W0151-01 EPA W0151-01 EPA	0.004	No
10/08/2016 03/03/2016	MW-3	Calcium Chromium,	Lab analysis	Biannual	89.100	89.100	mg/l	Trigger Level W0151-01 EPA	N/A	No
10/08/2016 03/03/2016	MW-3	Total Coliforms,	Lab analysis	Biannual	0.002	0.002	mg/l	Trigger Level W0151-01 EPA	N/A	No
10/08/2016 03/03/2016	MW-3	Faecal Coliforms,	Lab analysis	Biannual	30.000	30.000	cfus/100ml	Trigger Level W0151-01 EPA	N/A	No No
10/08/2016 03/03/2016	MW-3	Total	Lab analysis	Biannual	1.000	1.000	cfus/100ml	Trigger Level W0151-01 EPA	N/A	No
10/08/2016 03/03/2016	MW-3	Copper Cyanide	Lab analysis  Lab analysis	Biannual	N/A 0.010	N/A 0.010	mg/l mg/l	Trigger Level W0151-01 EPA	0.5 N/A	No No
10/08/2016 03/03/2016	MW-3	Fluoride	Lab analysis  Lab analysis	Biannual	0.010	0.010	mg/I mg/I	Trigger Level W0151-01 EPA	N/A N/A	No No
10/08/2016 03/03/2016	MW-3	Iron	Lab analysis	Biannual	0.020	0.300	mg/I	Trigger Level W0151-01 EPA	N/A N/A	No No
10/08/2016 03/03/2016	MW-3	Lead	Lab analysis	Biannual	0.005	0.005	mg/l	Trigger Level W0151-01 EPA	N/A	No
10/08/2016 03/03/2016	MW-3	Magnesium	Lab analysis	Biannual	6.200	6.200	mg/l	Trigger Level W0151-01 EPA Trigger Level	N/A	No
10/08/2016 03/03/2016 10/08/2016	MW-3	Manganese	Lab analysis	Biannual	0.002	0.002	mg/l	Trigger Level W0151-01 EPA Trigger Level	N/A	No
03/03/2016 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	Orthophospha tes	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	рН	Field analysis	Biannual	7.300	7.300	рН	W0151-01 EPA Trigger Level	6 <ph<9< td=""><td>No</td><td></td></ph<9<>	No	
03/03/2016 10/08/2016	MW-4	Temperature	Field analysis	Biannual	10.300	10.300	оС	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	Orthophospha tes	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	рН	Field analysis	Biannual	7.900	7.800	рН	W0151-01 EPA Trigger Level	6 <ph<9< td=""><td>No</td><td></td></ph<9<>	No	
03/03/2016 10/08/2016	MW-5	Temperature	Field analysis	Biannual	13.200	11.450	оС	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	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-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 W0151-01 EPA	N/A	No	
03/03/2016 10/08/2016 03/03/2016	MW-5	Sodium	Lab analysis	Biannual	21.400	21.400	mg/l	Trigger Level	80	No	
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/I 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 03/03/2016	MW-6	Level, Water	Field analysis	Biannual	12.170	10.400	mOD	W0151-01 EPA Trigger Level W0151-01 EPA	N/A	No	
10/08/2016 03/03/2016	MW-6	Odour	Field analysis	Biannual	N/A	N/A	N/A	Trigger Level W0151-01 EPA	N/A	No	
10/08/2016 03/03/2016	MW-6	pH	Field analysis	Biannual	8.000	7.850	рН	Trigger Level W0151-01 EPA	6 <ph<9< td=""><td>No</td><td></td></ph<9<>	No	
10/08/2016 03/03/2016	MW-6	Temperature  Alkalinity,	Field analysis	Biannual	12.400	10.850	oC	Trigger Level W0151-01 EPA	N/A	No	
10/08/2016 03/03/2016	MW-6	Total	Lab analysis	Biannual	208.000	208.000	mg/l	Trigger Level W0151-01 EPA	N/A	No	
10/08/2016 03/03/2016	MW-6	Boron	Lab analysis	Biannual	0.012	0.012	mg/l	Trigger Level W0151-01 EPA	N/A	No	
10/08/2016 03/03/2016	MW-6	Cadmium	Lab analysis	Biannual	0.001	0.001	mg/l	Trigger Level W0151-01 EPA	0.004	No No	
10/08/2016 03/03/2016	MW-6	Calcium Chromium,	Lab analysis	Biannual	59.900	59.900 0.002	mg/l	Trigger Level W0151-01 EPA	N/A N/A	No No	
10/08/2016 03/03/2016	MW-6	Total Coliforms,	Lab analysis  Lab analysis	Biannual Biannual	7.000	7.000	mg/l cfus/100ml	Trigger Level W0151-01 EPA	N/A N/A	No No	
10/08/2016 03/03/2016	MW-6	Faecal Coliforms,	Lab analysis	Biannual	3.000	3.000	cfus/100ml	Trigger Level W0151-01 EPA	N/A	No	
10/08/2016	1	Total		1	1	1	,	Trigger Level			İ

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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 W0151-01 EPA	N/A	No	
03/03/2016 10/08/2016	MW-6	Nickel Orthophospha	Lab analysis	Biannual	0.020	0.020	mg/l	Trigger Level W0151-01 EPA	N/A	No	
03/03/2016 10/08/2016	MW-6	tes Phosphorous,	Lab analysis	Biannual	0.060	0.060	mg/l	Trigger Level W0151-01 EPA W0151-01 EPA	N/A	No	
03/03/2016 10/08/2016 03/03/2016	MW-6	Total	Lab analysis	Biannual	0.723	0.723	mg/l	Trigger Level W0151-01 EPA W0151-01 EPA	N/A	No	
10/08/2016 03/03/2016	MW-6	Potassium Residue on	Lab analysis	Biannual	40.500	40.500	mg/l	Trigger Level W0151-01 EPA	N/A	No	
10/08/2016 03/03/2016	MW-6	Evaporation	Lab analysis	Biannual	1200.000	1200.000	mg/l	Trigger Level W0151-01 EPA	N/A	No	
10/08/2016 10/08/2016 03/03/2016	MW-6	Sodium	Lab analysis	Biannual	23.500	23.500	mg/l	Trigger Level	80	No	
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/I 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	рН	Field analysis	Biannual	8.700	8.500	рН	W0151-01 EPA Trigger Level	6 <ph<9< td=""><td>No</td><td></td></ph<9<>	No	
03/03/2016 10/08/2016	MW-14	Temperature	Field analysis	Biannual	12.400	11.400	оС	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 W0151-01 EPA	N/A	No	
03/03/2016 10/08/2016	MW-14	Potassium	Lab analysis	Biannual	2.100	2.100	mg/l	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 W0151-01 EPA	N/A	No	
03/03/2016 10/08/2016	MW-14	Sodium	Lab analysis	Biannual	62.500	62.500	mg/l	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	рН	Field analysis	Biannual	8.500	8.100	рН	W0151-01 EPA Trigger Level	6 <ph<9< td=""><td>No</td><td></td></ph<9<>	No	
03/03/2016 10/08/2016	MW-16	Temperature	Field analysis	Biannual	13.100	11.650	оС	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	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-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	рН	Field analysis	Biannual	7.800	7.450	рН	W0151-01 EPA Trigger Level	6 <ph<9< td=""><td>No</td><td></td></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	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-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	рН	W0151-01 EPA Trigger Level W0151-01 EPA	6 <ph<9< td=""><td>No</td><td></td></ph<9<>	No	
03/03/2016 10/08/2016	MW-20	Temperature Alkalinity,	Field analysis	Biannual	14.600	12.450	оС	Trigger Level W0151-01 EPA W0151-01 EPA	N/A	No	
03/03/2016 10/08/2016	MW-20	Total	Lab analysis	Biannual	384.000	384.000	mg/l	Trigger Level W0151-01 EPA W0151-01 EPA	N/A	No	
03/03/2016 10/08/2016 03/03/2016	MW-20	Boron	Lab analysis	Biannual	0.028	0.028	mg/l	Trigger Level W0151-01 EPA W0151-01 EPA	N/A	No	
10/08/2016 03/03/2016	MW-20	Cadmium	Lab analysis	Biannual	0.001	0.001	mg/l	Trigger Level W0151-01 EPA	0.004	No	
10/08/2016 03/03/2016	MW-20	Calcium Chromium,	Lab analysis	Biannual	115.400	115.400	mg/l	Trigger Level W0151-01 EPA	N/A	No	
10/08/2016 03/03/2016	MW-20	Total Coliforms,	Lab analysis	Biannual	0.002	0.002	mg/l	Trigger Level W0151-01 EPA	N/A	No	
10/08/2016 03/03/2016	MW-20	Faecal Coliforms,	Lab analysis	Biannual	9.000	9.000	cfus/100ml	Trigger Level W0151-01 EPA	N/A	No	
10/08/2016 03/03/2016	MW-20	Total	Lab analysis	Biannual	1.000	1.000	cfus/100ml	Trigger Level W0151-01 EPA	N/A	No	
10/08/2016 03/03/2016	MW-20	Copper	Lab analysis	Biannual	0.007	0.007	mg/l	Trigger Level W0151-01 EPA	0.5	No	
10/08/2016 03/03/2016	MW-20	Cyanide	Lab analysis	Biannual	0.010	0.010	mg/l	Trigger Level W0151-01 EPA	N/A	No	
10/08/2016 03/03/2016	MW-20	Fluoride	Lab analysis	Biannual	0.300	0.300	mg/l	Trigger Level W0151-01 EPA	N/A	No	
10/08/2016 03/03/2016	MW-20	Iron	Lab analysis	Biannual	0.020	0.020	mg/l	Trigger Level W0151-01 EPA	N/A	No	
10/08/2016 03/03/2016	MW-20	Lead	Lab analysis	Biannual	0.050	0.050	mg/l	Trigger Level W0151-01 EPA	N/A	No	
10/08/2016	MW-20	Magnesium	Lab analysis	Biannual	21.600	21.600	mg/l	Trigger Level	N/A	No	İ

Groundwater	/Soil monite	oring templa	ite		Lic No:	W0151-01		Year	2016		
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	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-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	рН	W0151-01 EPA Trigger Level	6 <ph<9< td=""><td>No</td><td></td></ph<9<>	No	
03/03/2016 10/08/2016	MW-22	Temperature Alkalinity,	Field analysis	Biannual	10.200	10.200	оС	W0151-01 EPA Trigger Level W0151-01 EPA	N/A	No	
03/03/2016 10/08/2016	MW-22	Total	Lab analysis	Biannual	0.000	N/A	mg/I	Trigger Level W0151-01 EPA	N/A	No	
03/03/2016 10/08/2016	MW-22	Boron	Lab analysis	Biannual	0.000	N/A	mg/l	Trigger Level W0151-01 EPA	N/A	No	
03/03/2016 10/08/2016 03/03/2016	MW-22	Cadmium	Lab analysis	Biannual	0.000	N/A	mg/l	Trigger Level W0151-01 EPA	0.004	No	
10/08/2016 10/08/2016 03/03/2016	MW-22	Calcium Chromium,	Lab analysis	Biannual	0.000	N/A	mg/l	Trigger Level W0151-01 EPA	N/A	No	
10/08/2016 03/03/2016	MW-22	Total Coliforms,	Lab analysis	Biannual	0.000	N/A	mg/l	Trigger Level W0151-01 EPA	N/A	No	
10/08/2016 03/03/2016	MW-22	Faecal Coliforms,	Lab analysis	Biannual	0.000	N/A	cfus/100ml	Trigger Level W0151-01 EPA	N/A	No	
10/08/2016	MW-22	Total	Lab analysis	Biannual	0.000	N/A	cfus/100ml	Trigger Level	N/A	No	I

	/0.11										
Groundwater	/Soil monito	oring templa	te		Lic No:	W0151-01		Year	2016		
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 W0151-01 EPA	N/A	No	
03/03/2016 10/08/2016	MW-22	Iron	Lab analysis	Biannual	0.000	N/A	mg/l	Trigger Level W0151-01 EPA W0151-01 EPA	N/A	No	
03/03/2016 10/08/2016 03/03/2016	MW-22	Lead	Lab analysis	Biannual	0.000	N/A	mg/l	Trigger Level W0151-01 EPA W0151-01 EPA	N/A	No	
10/08/2016 03/03/2016	MW-22	Magnesium	Lab analysis	Biannual	0.000	N/A	mg/l	Trigger Level W0151-01 EPA	N/A	No	
10/08/2016 03/03/2016	MW-22	Manganese	Lab analysis	Biannual	0.000	N/A	mg/l	Trigger Level W0151-01 EPA	N/A	No	
10/08/2016 03/03/2016	MW-22	Mercury	Lab analysis	Biannual	0.000	N/A	mg/l	Trigger Level W0151-01 EPA	N/A	No	
10/08/2016 03/03/2016	MW-22	Nickel Orthophospha	Lab analysis	Biannual	0.000	N/A	mg/l	Trigger Level W0151-01 EPA	N/A	No	
10/08/2016 03/03/2016	MW-22	tes Phosphorous,	Lab analysis	Biannual	0.000	N/A	mg/l	Trigger Level W0151-01 EPA	N/A	No No	
10/08/2016 03/03/2016	MW-22 MW-22	Total Potassium	Lab analysis  Lab analysis	Biannual	0.000	N/A N/A	mg/l	Trigger Level W0151-01 EPA	N/A N/A	No No	
10/08/2016 03/03/2016	MW-22	Residue on	Lab analysis	Biannual	0.000	N/A	mg/I	Trigger Level W0151-01 EPA	N/A	No No	
10/08/2016 03/03/2016	MW-22	Evaporation Sodium	Lab analysis	Biannual	0.000	N/A	mg/l	Trigger Level W0151-01 EPA	80	No	
10/08/2016 03/03/2016 10/08/2016	MW-22	Total Oxidized	Lab analysis	Biannual	0.000	N/A	mg/l	W0151-01 EPA	N/A	No	
03/03/2016	MW-22	Nitrogen Zinc	Lab analysis	Biannual	0.000	N/A	mg/l	Trigger Level W0151-01 EPA	N/A	No	
10/08/2016			,			,	<u> </u>	Trigger Level	· · · · · · · · · · · · · · · · · · ·		
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 monite	oring templa	ite		Lic No:	W0151-01		Year	2016			
		compie	1					l	2010			
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	рН	Field analysis	Quarterly	8.300	7.825	рН	W0151-01 EPA Trigger Level	6 <ph<9< td=""><td>No</td><td></td></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	оС	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 monit	oring templa	te		Lic No:	W0151-01		Year	2016	
03/03/2016										
16/06/2016	PW-3	Lead	Lab analysis	Quartarly	0.005	0.005	ma/I	W0151-01 EPA	N/A	No
10/08/2016	PVV-3	Leau	Lab analysis	Quarterly	0.005	0.005	mg/l	Trigger Level	N/A	NO
01/12/2016										
03/03/2016										
16/06/2016	D144 2		1.1	0	0.000	0.000		W0151-01 EPA	/.	
10/08/2016	PW-3	Magnesium	Lab analysis	Quarterly	0.000	0.000	mg/l	Trigger Level	N/A	No
01/12/2016								00		
03/03/2016										
16/06/2016								W0151-01 EPA		
10/08/2016	PW-3	Manganese	Lab analysis	Quarterly	0.002	0.002	mg/l	Trigger Level	N/A	No
								iligger Level		
01/12/2016 03/03/2016										
								W0151-01 EPA		
16/06/2016	PW-3	Mercury	Lab analysis	Quarterly	0.000	0.000	mg/l		N/A	No
10/08/2016								Trigger Level		
01/12/2016	<del>                                     </del>				1	<del>                                     </del>				
03/03/2016								W0151 01 554		
16/06/2016	PW-3	Nickel	Lab analysis	Quarterly	0.002	0.002	mg/l	W0151-01 EPA	N/A	No
10/08/2016	_		,				O,	Trigger Level	,	
01/12/2016										
03/03/2016										
16/06/2016	PW-3	Orthophospha	Lab analysis	Quarterly	0.060	0.060	mg/l	W0151-01 EPA	N/A	No
10/08/2016	FW-5	tes	Lab allalysis	Quarterly	0.000	0.000	IIIg/I	Trigger Level	IN/A	INU
01/12/2016										
03/03/2016										
16/06/2016		Phosphorous,					,,	W0151-01 EPA		
10/08/2016	PW-3	Total	Lab analysis	Quarterly	0.049	0.049	mg/l	Trigger Level	N/A	No
01/12/2016								880		
03/03/2016										
16/06/2016								W0151-01 EPA		
	PW-3	Potassium	Lab analysis	Quarterly	1.300	1.300	mg/l	Trigger Level	N/A	No
10/08/2016								iliggei Levei		
01/12/2016										
03/03/2016		D = = ! d						W0151 01 5DA		
16/06/2016	PW-3	Residue on	Lab analysis	Quarterly	525.000	525.000	mg/l	W0151-01 EPA	N/A	No
10/08/2016		Evaporation	•	•		1	-	Trigger Level		
01/12/2016	1									
03/03/2016										
16/06/2016	PW-3	Sodium	Lab analysis	Quarterly	31.500	31.500	mg/l	W0151-01 EPA	80	No
10/08/2016	''' 5	Journ	Lab ununyala	Quarterly	31.500	51.500	1116/1	Trigger Level	55	110
01/12/2016										
03/03/2016										
16/06/2016	DW 2	Total Alkaliaita	Lab analysis	Quartarly	274.000	274.000	ma/l	W0151-01 EPA	NI/A	No
10/08/2016	PW-3	Total Alkalinity	Lab analysis	Quarterly	274.000	274.000	mg/l	Trigger Level	N/A	No
01/12/2016										
03/03/2016										
16/06/2016		Total Oxidized				1		W0151-01 EPA	_	
10/08/2016	PW-3	Nitrogen	Lab analysis	Quarterly	1.800	1.800	mg/l	Trigger Level	N/A	No
01/12/2016		Microgen				1		iliggei Level		
	<del>                                     </del>	+			<del> </del>	<del> </del>				
03/03/2016								W0151 01 504		
16/06/2016	PW-3	Zinc	Lab analysis	Quarterly	0.024	0.024	mg/l	W0151-01 EPA	N/A	No
10/08/2016			•	•		1	-	Trigger Level		
01/12/2016										
					<u> </u>	<u> </u>				
							SELECT			SELECT

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

**Groundwater monitoring template** 

Groundwater/Soil monitoring template	Lic No:	W0151-01	Year	2016	
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 t link in G31)	he <u>Gu</u>	idance on the Management of Contami	nated Land and Groundwater a	t EPA Licensed Sites (EPA 2013).	
				•	
**Depending on location of the site and proximity to other sensitive receptors alternati GTV e.g. if the site is close to surface water compare to Surface Water Environmenta				Groundwater Drinking water regulations (private supply)	<u>Drinking water (public</u> <u>Interim</u>

# Table 3: Soil results

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

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

## Environmental Liabilities template Lic No: W0151-01 Year 2016

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	
		Environmental Impairment Liability	
6	Financial Provision for ELRA - type	cover,	
7	Financial provision for ELRA expiry date	Enter expiry date	
		Closure plan submitted and not	
8	Closure plan initial agreement status	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</b>	template	Lic No:	W0151-01	Year	2016
	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						
	Ongoing monitoring and				Improved Environmental						
Groundwater protection	measurement - water	100	Monitoring completed	Individual	Management Practices						
	Ongoing monitoring and				Improved Environmental						
Noise reduction	measurement - noise	100	Monitoring completed	Individual	Management Practices						
	Ongoing monitoring and				Improved Environmental						
Reduction of emissions to Air	measurement - dust	100	Monitoring completed	Individual	Management Practices						

Noise monitoring summary report	Lic No:	W0151-01	Year	2016
1 Was noise monitoring a licence requirement for the AER period?		Yes		
If yes please fill in table N1 noise summary below			_	
	Noise			
2 Was noise monitoring carried out using the EPA Guidance note, including completion of the	Guidance	Yes		
"Checklist for noise measurement report" included in the guidance note as table 6?	note NG4			
3 Does your site have a noise reduction plan		No		
4 When was the noise reduction plan last updated?		Enter date		
Have there been changes relevant to site noise emissions (e.g. plant or operational changes) since survey?	the last noise	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>	•	If tonal /impulsive noise was identified was 5dB penalty	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

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

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

SELECT

Resource Usage/Energy efficiency summary	Lic No:	W0151-01	Year	2016
--	---------	----------	------	------

		Additional information
When did the site carry out the most recent energy efficiency audit? Please list the recommendations in table 3 below	No formal audit completed; ongoing monitoring and management of energy use by licensee.	
SEAI - Large_		
Is the site a member of any accredited programmes for reducing energy usage/water conservation such Industry Energy		
2 as the SEAI programme linked to the right? If yes please list them in additional information Network (LIEN)	no	
Where Fuel Oil is used in boilers on site is the sulphur content compliant with licence conditions? Please state percentage in		
3 additional information	SELECT	

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

AI: 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 extracted			consumption if it	Volume Discharged	Volume used i.e not discharged to environment e.g. released as steam	
Water use	Previous year m3/yr.	Current year m3/yr.	year**	production*	environment(m³yr):	m3/yr	Unaccounted for Water:
Groundwater							
Surface water							
Public supply	91.5	81					
Recycled water							
Total							

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

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

## Resource Usage/Energy efficiency summary Lic No: W0151-01 Year 2016

Table R3 Waste Stream					
	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		Description of Measures proposed		Predicted energy savings %	Implementation date	Responsibility	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
Complaints					
		Additional informa	ation		
Have you received any environmental complaints in the current reporting year? If yes please complete summary	No				

Table 1	1 Complaints summary						
			Brief description of				
			complaint (Free txt <20	Corrective action< 20			Further
Date	Category	Other type (please specify)	words)	words	Resolution status	Resolution date	information
	SELECT				SELECT		
	SELECT				SELECT		
	SELECT				SELECT		
	SELECT				SELECT		
	SELECT				SELECT		
open at start of eporting year Total new complaints eceived during eporting year Total complaints							
losed during							
eporting year Balance of	1	1					
omplaints end of							
eporting year							

Incidents				
		Additional information		
Have any incidents occurred on site in the current rep				
year in Ta	year in Table 2 below			
				<del>-</del>
*For information on how to report and what	*For information on how to report and what			
constitutes an incident	constitutes an incident What is an incident			

incidents current

Table 2 Incidents sun	nmary													
						Other	Activity in				Preventative			
			Incident category*please			cause(please	progress at time			Corrective action<20	action <20		Resolution	Likelihood of
Date of occurrence	Incident nature	Location of occurrence	refer to guidance	Receptor	Cause of incident	specify)	of incident	Communication	Occurrence	words	words	Resolution status	date	reoccurence
		Other location (monitoring			Other (add	Routine GW								
07.06.16	Trigger level reached	points)	1. Minor	No Uncontrolled release	details)	Monitoring	Normal activities	EPA	Recurring	Ongoing monitoring		Complete	07.06.16	Medium
		Other location (monitoring			Other (add	Routine Gas								
30.06.16	Trigger level reached	points)	1. Minor	No Uncontrolled release	details)	Monitoring	Normal activities	EPA	Recurring	Ongoing monitoring		Complete	30.06.16	Medium
		Other location (monitoring			Other (add	Routine GW								
04.07.16	Trigger level reached	points)	1. Minor	No Uncontrolled release	details)	Monitoring	Normal activities	EPA	Recurring	Ongoing monitoring		Complete	04.07.16	Medium
		Other location (monitoring			Other (add	Routine GW								
14.09.16	Trigger level reached	points)	1. Minor	No Uncontrolled release	details)	Monitoring	Normal activities	EPA	Recurring	Ongoing monitoring		Complete	14.09.16	Medium
		Other location (monitoring			Other (add	Routine Gas								
14.09.16	Trigger level reached	points)	1. Minor	No Uncontrolled release	details)	Monitoring	Normal activities	EPA	Recurring	Ongoing monitoring		Complete	14.09.16	Medium
		Other location (monitoring			Other (add	Routine Gas								
12.12.16	Trigger level reached	points)	1. Minor	No Uncontrolled release	details)	Monitoring	Normal activities	EPA	Recurring	Ongoing monitoring		Complete	12.12.16	Medium
·		Other location (monitoring			Other (add	Routine GW								
31.12.16	Trigger level reached	points)	1. Minor	No Uncontrolled release	details)	Monitoring	Normal activities	EPA	Recurring	Ongoing monitoring		Complete	31.12.16	Medium
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT
Total number of					·		·					·		

omplaints and Incidents summary template	2	Lic No:	W0151-01	Year	2016
Total number of					
incidents previous					
year 6					
% reduction/					
ncrease 14%					

SECTION A-PRTR O	N SITE WASTE TREATMENT AND	WASTE TRANSFERS TAB-	TO BE COMPLETED B	BY ALL IPPC AND WA	STE FACILITIES	PRTR facility logor	<u>1</u>	dropdown li	ist click to see options		
SECTION B- WASTE	ACCEPTED ONTO SITE-TO BE CO	MPLETED BY ALL IPPC AN	D WASTE FACILITIES								
							Additional Informatio	n 1			
Were any wastes accepte 1 to be captured through P	ed onto your site for recovery or disposal o PRTR reporting)	r treatment prior to recovery or d	lisposal within the bounda	ries of your facility ?; (was	te generated within your boundaries is	Yes					
If yes please enter details	s in table 1 below						1				
2 Did your site have any rej	jected consignments of waste in the currer	nt reporting year? If yes please giv	ve a brief explanation in th	e 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 for recovery).						e. as these w	ill have been re	] eported in vour P	RTR workbook)		
Licenced annual	EWC code	Source of waste accepted	Description of waste	Quantity of waste	Quantity of waste accepted in previous	Reduction/	Reason for	Packaging Content (%)-	Disposal/Recovery or treatment	Quantity of	Comments -
tonnage limit for your site (total			Please enter an accurate	accepted in current reporting year (tonnes)	reporting year (tonnes)	Increase over previous year +/ -	reduction/ increase from previous	only applies if the waste has a packaging	operation carried out at your site and the description of this	waste remaining on site at the	
tonnes/annum)			and detailed description - which applies to			%	reporting year	component	operation	end of reporting year (tonnes)	
			relevant EWC code								
	European Waste Catalogue EWC codes		European Waste Catalogue EWC codes								
			Catalogue EWC codes								
									R5-Recycling/reclamation or		
		17- CONSTRUCTION AND							other inorganic materials which includes soil celaning resuling in		
		DEMOLITION WASTES (INCLUDING EXCAVATED SOIL							recovery of the soil and recycling of inorganic		
750, 000	17 01 01	FROM CONTAMINATED SITES)	Concrete	112,092.55	118,283.95	-6%	Market Demand		construction materials	0	
									R5-Recycling/reclamation or		
		17- CONSTRUCTION AND							other inorganic materials which includes soil celaning resuling in		
		DEMOLITION WASTES (INCLUDING EXCAVATED SOIL	Soil and stones other than those mentioned in						recovery of the soil and recycling of inorganic		
750, 000	17 05 04	FROM CONTAMINATED SITES)	17 05 03	636,490.78	630,879.32	1%	Market Demand	0%	construction materials	0	
SECTION C.TO BE C	OMPLETED BY ALL WASTE FACILI	ITIES (wasto transfor stati	ons Composters Ma	atorial recovery facil	lities etc) EYCEDT I ANDEILL SITI	ec .					
SECTION C-10 BE C	OWN LETED BY ALL WASTE TACIL	inics (waste transfer stati	ons, composters, ivid	aterial recovery raci	intes etc) EXCEPT EARDTHEE SITE	-3					
										1	
4 Is all waste processing inf	frastructure as required by your licence and	d approved by the Agency in place	e? If no please list waste p	rocessing infrastructure re	equired onsite	Yes					
5 Is all waste storage infras	structure as required by your licence and a	pproved by the Agency in place? I	f no please list waste stora	nge infrastructure required	I on site	Yes					
	elevant nuisance controls in place?					N/A				- 1	
7 Do you have an odour ma	anagement system in place for your facility	? If no why?				N/A N/A				1	
8 Do you maintain a sludge			1			N/A	1			1	
<u> </u>	COMPLETED BY LANDFILL SITES Or and tonnage-landfill only	NLY	1								
The Late type					]						
			Remaining licensed								
Waste types permitted for disposal	Authorised/licenced annual intake for disposal (tpa)	Actual intake for disposal in reporting year (tpa)	capacity at end of reporting year (m3)	Comments							

all incoming waste is recovered

Lic No:

W0151-01

Year

2016

WASTE SUMMARY

Authorised/licenced annual intake for disposal (tpa) 738,000

Waste types permitted for disposal inert waste

Comments on liner type

SELECT UNIT

2016

Total disposal area occupied by waste

Lined disposal area occupied by waste

SELECT UNIT SELECT UNIT

WASTE SUMMARY					Lic No:	W0151-01		Year	
Table 3 General in	formation-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?	Acc
Zone 6	2003	Not applicable	Yes	Private	Inert	subject to filling ra	No	No	No
	_								
	ental monitoring-landfill only	Landfill Manual-Monitoring Stan	<u>dards</u>						
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 Il Manual linked above for relevant Landfill I	Yes	Yes	Yes	No	No	No		
Area uncapped*	Area with temporary cap SELECT UNIT	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			
	.andfill only te treated in a Waste Water Treatment Plan					SELECT	]		
Is leachate released to s	surface water? If yes please complete leach	ate mass load information below				SELECT	J		
								1	
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		
	Leachate (BOD) mass load (kg/annum)				Leachate treatment on-site		Comments		
		(kg/annum)	load (kg/annum)	mass load kg/annum			Comments		
	Please ensure that all information rep	(kg/annum)	load (kg/annum)	mass load kg/annum			Comments		
reporting year(m3)	Please ensure that all information rep	(kg/annum)	load (kg/annum)	mass load kg/annum			Comments		
reporting year(m3)	Please ensure that all information rep	(kg/annum)	load (kg/annum)  consistent with the Landfill	mass load kg/annum			Comments		
reporting year(m3)  Table 7 Landfill Ga	Please ensure that all information rep is-Landfill only	(kg/annum)	load (kg/annum)  consistent with the Landfill  Was surface emissions monitoring performed	mass load kg/annum			Comments		
reporting year(m3)	Please ensure that all information rep is-Landfill only	(kg/annum)	load (kg/annum)  consistent with the Landfill  Was surface emissions	mass load kg/annum			Comments		



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

Guidance to completing the PRTR workbook

# **PRTR Returns Workbook**

Version 1.1.19

REFERENCE YEAR	2016
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	
Coordinates of Location	
River Basin District	
NACE Code	
	Recovery of sorted materials
AER Returns Contact Name	
AER Returns Contact Email Address	
AER Returns Contact Position	
AER Returns Contact Telephone Number	
AER Returns Contact Mobile Phone Number	
AER Returns Contact Fax Number	
Production Volume	
Production Volume Units	
Number of Installations	
Number of Operating Hours in Year	
Number of Employees	
User Feedback/Comments	
Web Address	

## 2. PRTR CLASS ACTIVITIES

2. PRIR CLASS ACTIVITIES			
Activity Number	Activity Name		
50.1	General		
5(d)	Landfills		
50.1	General		

### 3. SOLVENTS REGULATIONS (S.I. No. 543 of 2002)

3. SOLVENTS REGULATIONS (S.I. No. 543 of 200	J2)
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?	
	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 onsite treatment (either recovery or disposal activities) ?

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

10/03/2017 15:30

#### SECTION A: SECTOR SPECIFIC PRTR POLLUTANTS

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

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

#### SECTION B : REMAINING PRTR POLLUTANTS

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

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

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

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

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

#### 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:

Murphy C	Concrete N	Manufacturing	Limited
----------	------------	---------------	---------

	ease enter summary data on the antities of methane flared and / or utilised			Met	hod Used		
					Designation or	Facility Total Capacity	
		T (Total) kg/Year	M/C/E	Method Code	Description	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)
N	let methane emission (as reported in Section						
	A above)	0.0				N/A	

4.2 RELEASES TO WATERS

Link to previous years emissions data

DDTD# - M/0454 | English Name - Mumbu Concrete Manufacturing | Imited | Elegane - M/0454 2046 DDTD via | Debug Vens - 2046

100020017.15.2

ECTION B : REMAINING PRTR POLLUTANTS

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

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

SECTION C : REMAINING POLLUTANT EMIS	SIONS (as required in your Licence)							
	RELEASES TO WATERS				Please enter all quantities			
PO	POLLUTANT							
				Method Used				
Pollutant No. Name		M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					0.0		0.0	0.0

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

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

J	OFFSITE TRAN	SFER OF POLLUTANTS DESTINED FOR WASTE-W	ATER TRE	EATMENT OR SEWER		Please enter all quantities in this section in KGs				
	POLLUTANT			METHO	D	QUANTITY				
				Met	hod Used					
	No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year		A (Accidental) KG/Year	F (Fugitive) KG/Year
						0.0		0.0	0.0	0.0

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

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

	OFFSITE TRAN	SFER OF POLLUTANTS DESTINED FOR WASTE-V	VATER TRE	EATMENT OR SEWER		Please enter all quantities in this section in KGs					
	POLLUTANT		METHOD			QUANTITY					
			Me	ethod Used							
	Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year		A (Accidental) KG/Year	F (Fugitive) KG/Y	ear
						0.0	1	0.0	0.0		0.0

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

4.4 RELEASES TO LAND SECTION A : PRTR POLLUTANTS	Link to previous years emissions data	PRTR#: W	W0151   Facility Name : Murphy Concrete Manufacturing L	mited   Filename : W0151_2016 PR	TR.xls   Return Year : 2016	10/03/2017 1	KG/Year 0.0
	RELEASES TO LAND			Please enter all qu	uantities in this section in		
	POLLUTANT		METHOD			QUANTITY	
No. Annex II	Name	M/C/E	Method Used  Method Code  Designation or Des	Emission Point 1	T (Total) KG/Year		

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

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

	RELEASES TO LAND				Please enter all quantitie	Gs	
POLLUTANT		METHOD				QUANTITY	
			1	Method Used			
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Yea
					0.	0	0.0

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

_				Please enter a	II quantities on this sheet in Tonnes								3
				Quantity (Tonnes per Year)				Method Used		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)
						Waste							
		European Waste				Treatment			Location of				
	<b>Transfer Destination</b>	Code	Hazardous		Description of Waste	Operation	M/C/E	Method Used	Treatment				
Ī	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.		
	Within the Country	20 03 01	No	0.23	mixed municipal waste	R3	E	Volume Calculation	Offsite in Ireland	Panda,W0140-03	Meath,0,Ireland		

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

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

Activity_Group	Activity_SubGroup	Activity_Code	Activity_Name	Capacity Threshold
1	NA.	a	Mineral oil and gas refineries	
1	NA.	ь	Installations for gasification and liquefaction	
1	NA.	6	Thermal power stations and other combustion installations Color overs	With a heat input of 50 megawats (MM)
1	NA NA		Coal rolling mills	With a cassolir of 1 forms ser hour
	NA.	7	Installations for the manufacture of coal products and solid smokeless fuel	THE BUILDING OF THE PRINCE
2	6	i	Hot-rolling mile	With a capacity of 20 tomes of grade steel per hour
2	c		Smitheries with hammers	With an energy of 50 kilojoules per harmer, where the calorific power used exceeds 20 MW
2	c		Application of protective fused metal costs	With an input of 2 tomes of crude sheel per hour
2			For the production of non-ferrous crude metals from one, concentrates or secondary raw materials by	
2			Enritha smallion including subhide-one) roasting or sintering installations	With a melting capacity of 4 tennes per day for lead and cadmium or 20 tennes per day for all other metals
2	144		installations for the numberiors of nin inner or steel instrument or secondary mediant including mediants	The second secon
	man.		Hot-coling miles	· man a colonial or A colonial
			Smitheries with hammers	
2	NA.	c	Application of protective fused metal costs	
2	NA.	d	Ferrous metal foundries Installations for surface treatment of metals and plastic materials using an electrolytic or chemical pro	With a production capacity of 20 formes per day
2	NA.		installations for surface treatment of metals and plastic materials using an electrolytic or chemical pro Cement clinker in rotary kilns	When she victims of the treatment was equals 30 m3 White a production appealed of 500 shows are draw or
3		1	Lime in rotary kins	With a renduction capacity of 50 mins ser day
1	,		Mineral Industry Cement clinker or lime in other furnaces	Year is production to graph of the Center per day
2	MA		Underground mining and related operations	
ā	NA.	b	Connect mining and quarrying	Where the surface of the area effectively under estractive operation equals 25 fections
2	NA.	d	Installations for the production of asbestos and the manufacture of asbestos-based products	
3	NA.		Installations for the manufacture of glass, including glass fibre	With a melting capacity of 20 tomes per day
3	NA.	f	Installations for melting mineral substances, including the production of mineral fibres	With a melting capacity of 20 tomes per day
3	NA.	9	installations for the manufacture of remain's contacts to fision in neutrales coding tiles believe subset. Simple hydrocarbons (linear or cyclic, saturated or unsaturated, alighatic or argmatic)	With a production capacity of 75 formes per day, or with a killn-capacity of 4 mil and with a serting density per killn of 300 kg/mil
*		1	Simple hydrocarbons (shear or cyclic, sasuased or unsasuased, septenc or aromatic)  Owden-containing hydrocarbons such as alcohols, aldehydes, ketones, carboxelic acids, esters, ace	
1			Chiggen-containing hydrocarbons such as aconosi, adenydes, xesones, carboxisic acids, esses, ace Subharous hydrocarbons	sses, errers, percedest, epocy resms
2			Nitrogenous hydrocarbons such as amines, amides, nitrous compounds, nitro compounds or nitrate of	removante ribilar consissi inconsissi
i i		iv .	Synthetic rubbers	
4	i i	v	Phosphorus-containing hydrocarbons	
4	a .	v	Halopenic hydrocarbons	
4	a	vii.	Organometalic compounds	
4	a .	Wil	Basic plastic materials (polymers, synthetic fibres and cellulose-based fibres)	
4	a .	*	Dyes and pigments	
*	*	*	Surface-active agents and surfactorits  Gases, such as ammonia, chlorine or hidrogen chloride fluorine or hidrogen fluoride, carbon galdes.	
1		1	Adds, such as chromic acid, hidrofluoric acid, obserboric acid, nitric acid, hidrochloric acid, subhas	supra compounds, morpe a coste, njacogen, supraz doseae, cantonje chionae
2	ž.		States, such as ammonium hydroxide, potassium hydroxide, sodium hydroxide	to accept the second accept
i i		le .	Salts, such as ammorium chloride, potassium chlorate, potassium carbonate, sodium carbonate, pe	thronis silvar rimas
4	b	v	Non-metals, metal oxides or other inorganic compounds such as calcium carbide, silicon, silicon carb	
4	NA.	a	Simple hydrocarbons (linear or cyclic, saturated or unsaturated, allohatic or aromatic) Oxioen-contail	into fudocarbons such as alcohole, adoholes, adoholes, letones, carbonic acids, estern, acetasis, element, a
4	NA.	b	Gases, such as ammonia, chlorine or hydrogen chloride, fluorine or hydrogen fluoride, carbon oxides,	mightur compounds ritingen cuiden, hydrogen, mulphar disside, carbonyl chloride Acids, such as ammonium chloride, potassium thirde acid, phosphoric acid, hydrofiseric acid, shophuric acid, suphuric aci
4	NA.	c	Chemical installations for the production on an industrial scale of phosphorous-, nitrogen- or potassiu	
4	NA.	d	Chemical installations for the production on an industrial scale of basic plant health products and of b installations using a chemical or biological propess for the production on an industrial scale of basic s	ocides .
*	NA.		installations for the production on an industrial scale of explosives and ovotechnic products	namicas a posce
2	NA.	1	Installations for the production on an industrial scale of expositives and pyrotechnic products.  Installations for the recovery or disposal of hazardous waste.	Receiving 10 tomes per day
š	NA.	5	Installations for the incineration of non-hazardous waste in the scope of Directive 2000/76/EC of the I	Million respectively 2 mores may but
5	MA	-	Installations for the disposal of non-hazardous waste	With a capacity of 50 tomes per day
5	NA.	d	Landills	Receiving 10 tonness per day or with a sotal capacity of 25 000 tonnes
5	NA.		Installations for the disposal or recycling of animal carcasses and animal waste	With a treatment capacity of 10 bonnes per day
5	NA.	f	Urban waste-water treatment plants Independently operated industrial waste-water treatment plants which serve one or more activities of	With a capacity of 100 000 population equivalents
5	NA.	9	Independently operated industrial waste-water treatment plants which serve one or more activities of	th With a capacity of 10 000 m3 per day
50	NA.	1	General General 2	
-	144		Industrial plants for the production of pulp from timber or similar fibrous materials	
ž.	NA.	5	Industrial plants for the production of paper and board and other primary wood products (such as chic	th With a new british conserved 10 tomas ner day
ě .	NA.	c c	Industrial plants for the preservation of wood and wood products with chemicals	With a production-capacity of 50 m2 per day
7	a .	i	Installations for the intensive reasing of poultry or pigs. (i)	With 40 000 places for poultry
7	a .		Installations for the intensive reading of poultry or pigs. (ii)	With 2 000 places for production pigs (over 30 kg)
7	a		Installations for the intensive reasing of poultry or pigs (iii)	With 750 places for sows
7	NA.	b	Intensive aquaculture	With a production capacity of 1 000 towns of fair or shellfshiper year
		1	Arimal raw materials (other than milk)	With a finished product production capacity of 75 tonnes per day
	D.		Vegetable raw materials Slaughterhouses	With a faithful and contact production compactly of 200 towns per day (swenge value on a quarterly basis). With a canasa section contact of 50 forms per day (swenge value on a quarterly basis).
-	100		Treatment and processing of milk	volum is carcinate production crapping or 30 princing per analysis of the control per
	NA.	-	Plants for the pre-treatment loperations such as washing bleaching mercerisation) or during of fibre	THE DISTRICT AND A THE PROPERTY
9	NA.	ь	Plants for the tanning of hides and skins	With a treatment capacity of 12 tonnes of finished product per day
g .	NA.	c	but all allows for surface, became of authorizone objects or nonfacts union consoler soluents in neutral	* With a consumption capacity of 150 to per hour or 200 formes per year
9	NA.	d	Installations for the production of carbon (hard-burst cost) or electro-graphite by means of incineration	
9	NA.		Installations for the building of, and painting or removal of paint from ships	With a capacity for whips 100 m long

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203	2-Chlomethanol 2-methycoyethanol Acetatr	241 - 2-Cholosmana 200 - Amerikan andrea Milese Leebus
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361 369	Acrylates Alkal Phenol Ethowla	361 - Acrylates 369 - Alcol Phenol Eric Offsite Were Lookup
205	Animony (se Sb) Servere & triumor *	255 - Aluminium From Row 89 256 - Aluminium Isa Sbi Sa Row 89 256 - Aluminium Isa Sbi Sa Row 89 256 - Aluminium Isa Sbi Sa Row 89
242 207	cin.4 Satisfernation Class B organics	243 - die-1,2-dichloroerhane 207 - Classi B cesanics Land Lookup
156	Cobalt Condenseable volstil	256 - Cobalt From Row ## 208 - Condenseable vc To Row ##
110 109	Dimetylester Dimetylfornamide	210 - Dimethylester Start Cell ## 209 - Dimethylesteranide
210 211	Dust Epichlorohydrin	240 - Dust 210 - Dust 211 - Boldsteinbeden
248 212	Ethanol Formaldehyde	248 - Dihanol 212 - Formaldehyde
315 213	Formicacid	315 - Formaldehyde 213 - Formic acid
214 217	Hydrogen bromide Hydrogen peroxide	214 - Hydroen bronide 217 - Hydroen perceide
215 218	Hydrogen sulphide Hydrogen sulphide	215 - Hydrogen sulphide 218 - Hydrogen sulphide
216 319	Indicator Microoreani Inorganic acids	216 - Indicator Microorganisms 319 - Inorganic acids
217 357	Iron	217 - Identified compounds 257 - Iden 248 - Identified Compounds
218 246 320	Iscorpovi Alcohol (IP) Magnesium	216 - Inocyanas 246 - Inopropij Alcohol (PA) 220 - Mannesium
321 219	Manganese (as Mh) MDI	321 - Marganese (as Mr) 219 - MDI
322 220	MDI as NCO group Mescaptans	322 - MDI as NCO group 220 - Mercaptens
323 367 368	Methanol Methyl Methacylate Molifichianum	202 - Methanol 203 - Methyl Methacrylois 566 - Methylenum
325 326	Morochioramine n-besone	205 - Monochisamine 205 - nhauma
221 330	Nitric acid (HND3) Organic solvents	221 - Nitric acid (I-NCD) 230 - Organic solvents
222 231	Organohalogens	222 - Organic substances with photochemical ozone potential 321 - Organohalogens
223	Permethin Pertirides	203 - Deces 203 - Permethin 204 - Destrictor
227 228	Pharmaceutical activ Potassium	227 - Pharmaceutical actives 228 - Potassium
329 370	Preventol WB Selenium	329 - Preventol WB 370 - Selenium
363 354	Silver Sodum	340 - Serin-Vocasies 344 - Serium 344 - Serium
342	Streptomycin Subhides	342 - Saphingon 363 - Subhides
239 344	Sulphusic Acid TA luft carcinogenic I	239 - Sulphuric Acid 344 - TA lult carcinogenic substance class 3
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2/1 233 358	relation Thallium compounds Tin	3/1 - Heliunum 233 - Thelium compounds 946 - Th
234 235	-m Tokuma di Jeograma Total acids	224 - Tolume di-Isocyanate 235 - Total acids
345 242	Total acids Total distribution (see )	345 - Total acids 242 - Total Aldehydes (as C)
347 351	Total heavy metals Total December Courters	347 - Total heavy metals 261 - Total Cryanic Carbon (as C)
252 244 250	Total Particulates	2007 - rose Urganic Carbon (as Tokane) 244 - Total Particulates 250 - Indexangel horsing my train
236 237	Variation (as V)	236 - Vanadium (as V) 237 - Volaitie eganic compounds (as TOC)
	Polistant Name	287 - Johann Septimenson by TOC)  Water Seat Seat Seat Seat Seat Seat Seat Seat
390 394 301	v A Dichlomoberosi /C 2 6-Dichlomberosmi Acetter	280 - 2,4 Uscrisopherol (2,4 D) 264 - 2,6 Dichloroberzamide 201 - Archine
203 276	Acetic sold Acetics	203 - Acetic acid 376 - Aceticne
378 361	Acetronitrile Acrylates	376 - Acetrositrile 361 - Acrylates
369 355 334	Allrid Dhanni Ethnada Aluminium Aminer	369 - Alkyl Phenol Ethoujates 365 - Alkyl Phenol Ethoujates 365 - Alkylinian
238 205	Ammonia (as N) Antimonia (as N)	200 - Ammonia (as N) 2005 - Ammonia (as St)
373 206	Bartum Bergere & tolunce A	272 - Bartum 206 - Bertame & tolune & sylene (combined)
389 390	Berzojajoyene Berzoldiserzetene	389 - Benzojajpyene 360 - Benzojajfuorantene
291 302	Biocides Book	307 - sercopporamene 302 - Biodes
374 304	Boron Boronida	204 - Boron 204 - Boronida
305 393	Caldium Carbon tetrachloride	305 - Calcium 393 - Carbon tetrachloride
243 356	cis-1 2-dichloroethen Cobalt	243 - dis-1,2-dichloroethene 356 - Cobalt
208 208	COD Condenseable volstil Determine for MRA	206 - COD 208 - Condenseable volatile organic compounds
308 388 381	Dichlobenii Dichlosbenii	308 - Dichiobenii 381 - Dichiobenii 381 - Dichlorobenii
295 209	Dicotal Diesel range organic	395 - Dicatol 309 - Diesel range organics
210 245	Dimetrylester Dimetryleulphate	210 - Dimethylester 245 - Dimethylesiphate
211	Ethanol	217 - Spiracionjann 277 - Dianol
212	Formaldehyde Formaldehyde	212 - Formaldehyde 215 - Formaldehyde
213 382	Formic acid Glyphosate	213 - Formic acid 382 - Glyphosate
296 216	Heabromocyclodecs Hydrazine	296 - Hexabromocyclodecane (HBCD) 216 - Hydracine
366 214	Hydrocarbons Hydrogen bromide	366 - Hydrocarbons 214 - Hydrogen bromide
217 218	Hydrogen peroxide Hydrogen sulphide	217 - Hydrogen perceide 218 - Hydrogen sulphide
392 319 957	horganic acids	362 - Rose(1,2,3-c,ppyrate 367 - Iron
375 362	Kjeldahi Nitrogen	375 - Napropyl Alcohol (PA) 362 - Kjeldahl Nirogen
383 320	Linuron Magnesium	383 - Linuren 320 - Magnesium
321 384	Marganese (as Mn) MCPA	321 - Manganese (as Mr) 384 - MCPA
385 323	Mecoprop Total Methanol	305 - Mecaprop Total 303 - Methanol
367 324	Methyl Methacrylate Mineral oils	367 - Methyl Methycrylate 324 - Mineral olis
368 325	Molybdenum Morochloramine	366 - Moljodenum 325 - Monochioramine
326 327	n-hasana Nitrata (as N)	20G - Humana 227 - Naras (as N)
228 229	Non-ourosable organ Octafluspentanol	329 - Non-purgeable organic compounds 329 - Octoffusouritanol
	Organic solvents Organohalogens	200 - Organic solvents 201 - Organichalogens
232 233	Ortho-phosphate (as Demailtre	aux - Crancy-dosprass (se P) 322 - Ortho-phosphase (se PO4) 929 - Dermarkini
234 235	Pesticides Petrol range organics	204 - Pesticides 205 - Pesticides
397 337	PFOS Pharmaceutical activ	207 - PFOS 207 - Pharmaousical actives
228 229	Protessium Preventol WS	Sile Sandaghardens Sile Sandagha
340 354	Seni-volatiles Silver	340 - Semi-valation 340 - Semi-valation
341	Sodium Streptomycin	341 - Sodium 342 - Steptomycin
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	e RD_Description Landfill Deposit into or onto land, (e.g. landfill, etc.)	RD_Type
D1	- deposit of overburden, waste rock and tailings on heaps in the extractive industry.	Disposal
240	Incineration on land - municipal solid waste incineration plants for incineration of MSW, hazardous waste, sewage sludge, clinical waste, animal carcasses.	Discount
D10	Incineration at sea	Disposal
011	This operation is prohibited by EU legislation and international conventions.  Permanent storage	Disposal
D12	Permanent storage (e.g. emplacement of containers in a mine, etc.) - landfills for the underground storage of waste.	Disposal
	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	
D13	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
	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	
D15	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
	Land treatment Land treatment, (e.g. biodegradation of liquid or sludgy discards in soils, etc.)	
	<ul> <li>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,</li> </ul>	
02	e.g. disposal of dredging sludge.	Disposal
	Injection  Deep injection, (e.g. injection of pumpable discards into wells, salt domes of naturally occurring repositories, etc.)	
D3	<ul> <li>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.</li> </ul>	Disposal
	Surface impoundment Surface impoundment, (e.g. placement of liquid or sludge discards into pits, ponds or lagoons, etc.)	•
04	<ul> <li>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.</li> </ul>	Disposal
	Engineered landfill Specially engineered landfill, (e.g. placement into lined discrete cells which are capped and isolated from one another	
05	and the environment, etc.) - landfills for inert waste, non-hazardous waste and hazardous waste above ground.	Disposal
55	Release to waters Release into a water body except seas/oceans	Disposai
D6	deposit of non-hazardous dredging sludge and other non-hazardous sludge in surface water including the bed and the subsoil	Disposal
50	Release to sea	Disposai
D.7	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	Diseased
<b>D</b> 7	inert materials of natural origin). Biological treatment	Disposal
	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	
08	-biological-mechanical treatment of minicipal waste; biological treatment of contaminated soil; sludges or mineral wastes, if followed by disposal	Disposal
	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	
D9	detoxification (oxidation/reduction), precipitation, neutralisation, emulsion separation, immobilisation, electrolysis and osmosis.	Disposal
	Use as fuel Use as a fuel (other than in direct incineration) or other means to generate energy	
R1	<ul> <li>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.</li> </ul>	Recovery
	Landspreading  Land treatment resulting in benefit to agriculture or ecological improvement	
	<ul> <li>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</li> </ul>	
R10	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
	Use of residuals Uses of residual materials obtained from any of the operations numbered R1-R10	,
R11	<ul> <li>energy recovery of sorting residues, shredder light fraction, or distillation sludge from oil-refining; the use of slag from co-incineration for underground stowage.</li> </ul>	Recovery
R11a	Backfill (including infill or use of waste as daily cover at landfills) Waste Exchange prior to recovery	Recovery
	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	
R12	compaction of waste; shredding of wood waste prior to energy recovery.  Storage prior to recovery	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	
R13	of Landfill Directive.	Recovery
	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	
R2	grade product (e.g. lacquer thinner); preparation of secondary liquid fuels (SLF), usually by blending with other liquid wastes.	Recovery
	Organic substance recycling/reclamation Recycling/reclamation of organic substances which are not used as solvents	
R3	<ul> <li>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).</li> </ul>	Recovery
	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. Inorganic substance recycling/reclamation	Recovery
R4		
₹4	Recycling/reclamation of other inorganic materials - reprocessing of construction and demolition waste; reprocessing and recycling of glass waste; use as secondary raw	
	<ul> <li>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.</li> </ul>	Recovery
₹5	- reprocessing of construction and demolition waste; reprocessing and recycling of glass waste; use as secondary raw	Recovery
R5	<ul> <li>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.</li> <li>Regeneration of acids or bases</li> <li>re-concentration of spent acids; the thermal decomposition of spent sulphuric acid for use as feedstock in sulphuric</li> </ul>	
R5 R6	<ul> <li>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.</li> <li>Regeneration of acids or bases</li> <li>re-concentration of spent acids; the thermal decomposition of spent sulphuric acid for use as feedstock in sulphuric acid production.</li> <li>Recovery of components used for pollution abatement</li> <li>regeneration of activated carbon from water purification and flue gas treatment, mainly by thermal treatment; the regeneration of resins by solvent washing.</li> </ul>	
R5 R6 R7	<ul> <li>reprocessing of construction and demolition waste; reprocessing and recycling of glass waste; use as secondary raw material in cement klins; asphalt mixing plants; use for underground stowage in mines.</li> <li>Regeneration of acids or bases</li> <li>re-concentration of spent acids; the thermal decomposition of spent sulphuric acid for use as feedstock in sulphuric acid production.</li> <li>Recovery of components used for pollution abatement</li> <li>regeneration of activated carbon from water purification and flue gas treatment, mainly by thermal treatment; the regeneration of resins by solvent washing.</li> <li>Recovery of components from catalysts</li> <li>regeneration of activates to be reused as catalysts; the recovery of catalyst components, mainly of metal components,</li> </ul>	Recovery
R4 R5 R6 R7 R8	<ul> <li>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.</li> <li>Regeneration of acids or bases</li> <li>re-concentration of spent acids; the thermal decomposition of spent sulphuric acid for use as feedstock in sulphuric acid production.</li> <li>Recovery of components used for pollution abatement</li> <li>regeneration of activated carbon from water purification and flue gas treatment, mainly by thermal treatment; the regeneration of resins by solvent washing.</li> <li>Recovery of components from catalysts</li> </ul>	Recovery

		on of releases to air: Method Identification	
For each parameter please click  Method Code	on the Method Co	de that applies. Please take note of the appropropriate Method Categor Where this code is applicable	y (M/C/E) and Method Designation or Description according to this table.  Designation or Description
ISO 10397:1993	M	Asbestos	Leave Blank
10001.1000		Anthracene, polycyclic aromatic hydrocarbons (PAHs) &	Eduto Blank
ISO 11338-1 to 2:2003	М	flouranthene	Leave Blank
		(Arsenic, Cadmium, Chromium, Cobalt, Copper, Manganese,	
		Nickel, Lead, Antimony, Thallium, Vanadium and Zinc) &	
EN 14385:2004	M	Compounds	Leave Blank
EN 15058:2004	M	Carbon Monoxide (CO)	Leave Blank
ISO 12039:2001	M	Carbon Monoxide (CO) & Carbon Dioxide (CO2)	Leave Blank
EN 1911-1 to 3:2003	M	Chlorine & Inorganic Compounds (as HCI)	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/NO2)	Leave Blank
ISO 11564:1998	M	Nitrogen Oxides (Nox/NO2)	Leave Blank
ISO 10849:1996	M	Nitrogen Oxides (Nox/NO2)	Leave Blank
EN 13649:2001	M	Non-Methane Volatile Organic (NMVOC) & Benzene	Leave Blank
EN 1948-1 to3:2003	M	PCDD + PCDF(dioxins + furans) (as Teq),	Leave Blank
EN 14791:2005	M	Sulphur Oxides (Sox/SO2)	Leave Blank
ISO 7934:1989	M	Sulphur Oxides (Sox/SO2)	Leave Blank
ISO 7935: 1992	M	Sulphur Oxides (Sox/SO2)	Leave Blank
ISO 11632:1998	M	Sulphur Oxides (Sox/SO2)	Leave Blank
ALT	М	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	М	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	С	If a facility is registered as part of the Emission Trading Scheme.	Leave Blank
отн	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
			Ivame of the prescribed standard
NRB	M/C	Not Applicable to Irish Licenses.	-
MAB	С	Used for the calculation of fugitive emissions.	Brief & specific description of the Calculation used.
SSC	С	The only European wide sector specific calculation method used in Ireland is for Greenhouse methods and this is covered by ETS.	
		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 go	Leave blank, however a detailed description of how the estimation was undertaken must be outlined in your Annual Environmental
ESTIMATE	E	guidelines.	Report (AER)

		ode that applies. Please take note of the appropropriate Method Category	
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
		1,2-dichloroethane (EDC), dichloromethane (DCM), tetrachloroethlyene (PER), trichlorobenzenes (TCBs) (all	
		isomers), trichloroethlene, trichloromethane, vinyl chloride,	
EN ISO 15680:2003	м	benzene, ethyl benzene, naphthalene, toluene, xylenes	Leave Blank
IN ISO 15660:2003	IVI	Aldrin, DDT, dieldrin, endosulfan, endrin, heptachlor,	Leave Diank
		hexachlorobenzene (HCB), 1,2,3,4,5,6-	
		hexachlorocyclohexane (HCH), lindane, pentachlorobenzene,	
EN ISO 6468:1996	M	polychlorinated biphenols (PCBs)	Leave Blank
		Anthracene, naphthalene, polycyclic aromatic hydrocarbons	
EN ISO 17993:2003	M	(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
SO 22032	M	Brominated Biphenylethers (PBDE)	Leave Blank
EN ISO 5961:1995	M	Cadmium & Compounds(as Cd)	Leave Blank
EN ISO 15682:2001	М	Chlorides (as total Cl)	Leave Blank
EN ISO 10304-1 to 4:1995	М	Chlorides (as total Cl), Fluorides (as total F)	Leave Blank
EN 1233:1996	М	Chromium & (as Cr)	Leave Blank
EN ISO 14403:2002	M	Cyanides (as total CN)	Leave Blank
EN ISO 18856:2005	M	Di-(2-ethyl hexyl) phthalate (DEHP)	Leave Blank
EN ISO 11369:1997	M	Diuron, Simazine	Leave Blank
EN ISO 9562:2004	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	М	Total Organic Carbon (TOC) (as total C or COD/3)	Leave Blank
EN 12260:2003	M	i i	Leave Blank
EN ISO 11905-1:1998	M	Total Nitrogen	Leave Blank
EN ISO 15681-1 to 2:2004	M	Total Phosphorous	Leave Blank
		Total Phosphorous, Cadmium& compounds, Chromium &	
		Compounds, Copper & Compounds, Nickel & Compounds,	
EN ISO 11885:1997	M	Lead & Compounds and Zinc & Compounds.	Leave Blank
EN ISO 6878:2004	M	Total Phosphorous	Leave Blank
		Is applicable if the facility is using a CEN or ISO standard but	
ALT	M	not the one on the approved list in the PRTR Guidance.	Name of the ISO /CEN Standard
		If a lab/facility is using a non-ISO/CEN Method that is validated	
CRM	M	and accredited or has been accepted by the Agency.	Name of the non-ISO/CEN Standard
		If a facility is registered as part of the Emission Trading	
ETS	С	Scheme.	Leave Blank
		If the method or the calculation does not fall under any of the	
		method codes e.g. in-house methodology not based on	
OTH	M/C	CEN/ISO standard.	Brief & specific description of the method / Calculation used.
		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	
PER	M/C	equipment this does not fall under PER.	Name of the prescribed standard
NRB	M/C	Not Applicable to Irish Licenses.	-
MAB	С	Used for the calculation of fugitive emissions.	Brief & specific description of the Calculation used.
		The only European wide sector specific calculation method	
		used in Ireland is for Greenhouse methods and this is covered	
SSC	С	by ETS.	
		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	Leave blank, however a detailed description of how the estimate
ESTIMATE	F	emission estimation methodologies or good practice quidelines.	was undertaken must be outlined in your Annual Environmental Report (AER)

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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		
Address of Recoverer / Dispose	r / Next Destination Facility	Please enter a full stop "." in an address
Address 1 / Street name		field if there is no data to be entered
Address 2 / Building number		
Address 3 / City name		
Address 4 / Postcode		
Country		

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 cl	ick the OK button	
Name of Final Recoverer /		
Disposer		
License / Permit No. of Final		
Recoverer / Disposer		
Address of Final Recoverer / Disp	oser	Please enter a full stop "." in an address
Address 1 / Street name		field if there is no data to be entered
Address 2 / Building number		
Address 3 / City name		
Address 4 / Postcode		
Country		
Address of Actual Recovery / Disp	oosal Site	
Address 1 / Street name		
Address 2 / Building number		
Address 3 / City name		
Address 4 / Postcode		
Country		

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

Release\_To Year Pollutant\_Number Pollutant\_Description M\_C\_E Method\_Code Method\_Description Total

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

Year Destination	EWC	Hazardous	Total	Description	TreatmentOperation	MCE	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