Facility Information Summary		
AER Reporting Year	2013	
Licence Register Number	W0151-01	
Name of site	Murph	y Environmental Gormanston
Site Location	Sarsfield	stown, Gormanston, Co. Meath
NACE Code		3832
Class/Classes of Activity		3.1, 3.13, 4.3, 4.4, 4.13
National Grid Reference (6E, 6 N)		-6.25153 53.654

A description of the activities/processes at the site for the reporting year. This should include information such as production increases or decreases on site, any infrastructural changes, environmental performance which was measured during the reporting year 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.

The facility continues to suffer from the collapse of the construction/demolition sector, with incoming tonnages significantly lower than a number of years ago.

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

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.

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

if applicable

	AIR-summary template				Lic No:	W0151-01	Year	r	2013	3
	Answer all questions and complet	e all tables where relevant					Additional information			
1	Does your site have licensed reporting year and answer furt solvent manageme		nave licenced emis	sions and do not complete a	No	Ambient dust moni	Additional information itoring was conducted at 4 p. 2013 - there were no bre	_		
	Periodic/Non-Conti	nuous Monitoring								
2	Are there any results in breach o	f licence requirements? If yes ple TableA1 below		tails in the comment section of	SELECT					
3	Was all monitoring carried out in note AG2 and using the basi	•	Basic air monitoring checklist	AGN2	SELECT					
	Table A1: Licensed Mass E	missions/Ambient data-p	eriodic monitor	ring (non-continuous)						
	Emission	Frequency of	ELV in licence or any revision			Unit of	Compliant with		Annual mass	Comments - reason for change in % mass load from previous year

Measured value

measurement

SELECT

SELECT

SELECT

SELECT

licence limit

SELECT

SELECT

SELECT

SELECT

Method of analysis load (kg)

SELECT

SELECT

SELECT

SELECT

Licence Compliance criteria

SELECT

SELECT

SELECT

SELECT

therof

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

SELECT

SELECT

SELECT

SELECT

Parameter/ Substance Monitoring

reference no:

	AIR-summary template	Lic No:	W0151-01	Year	2013
	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  Table A2: Summary of average emissions -continuous monitoring	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

Date*	Duration** (hours)	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	2013
	Solvent	use and manageme	nt on site							
8	Do you have a total	Emission Limit Value of di	rect and fugitive emiss	sions on site? if yes	please fill out tables A4 and A5			SELECT		
		ent Management Pla ssion limit value	n Summary	<u>Solvent</u> <u>regulations</u>	Please refer to linked solver complete table 5					
1	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)			(0)	Outputs (kg)				
	Solvent	(I) Inputs (kg)	Organic solvent emission in waste	Solvents lost in water (kg)	Collected waste solvent (kg)	Fugitive Organic Solvent (kg)	Solvent released in other ways e.g. by-	Solvents destroyed onsite through	Total emission of Solvent to air (kg)	
								Total	1	

2013

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

#### Table W1 Storm water monitoring

Location reference	Location relative to site activities	PRTR Parameter	Licenced Parameter	Monitoring date	ELV or trigger level in licence or any revision thereof*	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Comments
ST-1	upstream		Alkalinity, Total	27/06/2013	Not applicable	Not applicable	342	mg/l	Not applicable	
ST-1	upstream		Ammoniacal Nitrogen	27/06/2013	Not applicable	Not applicable	0.03	mg/l	Not applicable	
ST-1	upstream		BOD	27/06/2013	Not applicable	Not applicable	1	mg/l	Not applicable	
ST-1	upstream		Boron	27/06/2013	Not applicable	Not applicable	0.018	mg/l	Not applicable	
ST-1	upstream		Cadmium	27/06/2013	Not applicable	Not applicable	0.0005	mg/l	Not applicable	
ST-1	upstream		Calcium	27/06/2013	Not applicable	Not applicable	127.3	mg/l	Not applicable	
ST-1	upstream		Chloride	27/06/2013	Not applicable	Not applicable	35.4	mg/l	Not applicable	
ST-1	upstream		Chromium, Total	27/06/2013	Not applicable	Not applicable	0.0015	mg/l	Not applicable	
ST-1	upstream		COD	27/06/2013	Not applicable	Not applicable	7	mg/l	Not applicable	
ST-1	upstream		Colour	27/06/2013	Not applicable	Not applicable	#REF!	N/A	Not applicable	
ST-1	upstream		Conductivity	27/06/2013	Not applicable	Not applicable	0.82	mS/cm	Not applicable	
ST-1	upstream		Copper	27/06/2013	Not applicable	Not applicable	0.007	mg/l	Not applicable	
ST-1	upstream		Cyanide, Total	27/06/2013	Not applicable	Not applicable	0.01	mg/l	Not applicable	
ST-1	upstream		Dissolved Oxygen	27/06/2013	Not applicable	Not applicable	4.53	mg/l	Not applicable	
ST-1	upstream		Iron	27/06/2013	Not applicable	Not applicable	0.02	mg/l	Not applicable	
ST-1	upstream		Lead	27/06/2013	Not applicable	Not applicable	0.005	mg/l	Not applicable	
ST-1	upstream		Magnesium	27/06/2013	Not applicable	Not applicable	14.5	mg/l	Not applicable	
ST-1	upstream		Manganese	27/06/2013	Not applicable	Not applicable	0.002	mg/l	Not applicable	
ST-1	upstream		Nickel	27/06/2013	Not applicable	Not applicable	0.002	mg/l	Not applicable	
ST-1	upstream		Odour	27/06/2013	Not applicable	Not applicable	#VALUE!	N/A	Not applicable	
ST-1	upstream		Orthophosphates	27/06/2013	Not applicable	Not applicable	0.06	mg/l	Not applicable	
ST-1	upstream		pH	27/06/2013	Not applicable	Not applicable	7.6	pH units	Not applicable	
ST-1	upstream		Phosphorus, Total	27/06/2013	Not applicable	Not applicable	0.054	mg/l	Not applicable	
ST-1	upstream		Potassium	27/06/2013	Not applicable	Not applicable	1.9	mg/l	Not applicable	
ST-1	upstream		Sodium	27/06/2013	Not applicable	Not applicable	20.2	mg/l	Not applicable	
ST-1	upstream		Sulphate	27/06/2013	Not applicable	Not applicable	18.76	mg/l	Not applicable	
ST-1	upstream		Suspended Solids, Total	27/06/2013	Not applicable	Not applicable	10	mg/l	Not applicable	
ST-1	upstream		Temperature	27/06/2013	Not applicable	Not applicable	12.7	oC	Not applicable	
ST-1	upstream		Zinc	27/06/2013	Not applicable	Not applicable	0.004	mg/l	Not applicable	ST-1 dry during Q4, 2013
ST-2										ST-2 dry during Q2 and Q4, 2013
	SELECT	SELECT	SELECT			SELECT		SELECT	SELECT	

<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		

F	AER Monitor	ing returns su	mmary template-Wa	ATER/WASTEWATE	R(SEWER)		Lic No:	W0151-01		Year	2013					
L	Licensed Emi	issions to wat	er and /or wastewa	ter(sewer)-periodic	monitoring (	non-continuou	s)									
3	Was there ar		of licence requirements? I omment section of Table V		details in the	No		Additional information				1				
4	guidance and ch Data Reported require imp	necklists for Qualit to the EPA? If no rovement in addit	n accordance with EPA y of Aqueous Monitoring please detail what areas ional information box ons to water and /or	External /Internal Lab Quality checklist wastewater (sewe		Yes onitoring (non	-continuous)									
	Emission reference no:	Emission released to	Parameter/ SubstanceNote 1	Type of sample	Frequency of monitoring	Averaging period	ELV or trigger values in licence or any revision therof <sup>Note 2</sup>	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Method of analysis	Procedural reference source	Procedural reference standard number	Annual mass load (kg)	Comments
L		SELECT	SELECT	SELECT		SELECT		SELECT		SELECT	SELECT	SELECT	SELECT			
L																
L	Note 1: Volumet	ric flow shall be in:	cluded as a reportable para	ameter	l											
			es (ELV) do not apply to yo		e results against E	QS for Surface wat	er or relevant receptor	r quality standards								
	C===1:====															
	Continuous r	•	is emissions to water/sewe	or monitoring?				Additional Information		1						
5 '	Does your site to	arry out continuot	is emissions to water/sewe	er monitoring:		SELECT				1						
		nmarise your cont n Limit Value (ELV	inuous monitoring data be )	elow in Table W4 and co	mpare it to its											
6 <b>V</b>	Did continuous n <b>W4 below</b>	nonitoring equipm	ent experience downtime	? If yes please record dov	vntime in table	SELECT										
7 [	Do you have a pr	roactive service co	ntract for each piece of co	ntinuous monitoring equi	pment on site?	SELECT										
8 0	Did abatement s	ystem bypass occu	ır during the reporting yea	r? If yes please complete	table W5 below	SELECT				4						
1	Table W4: Su	ımmary of ave	erage emissions -con	tinuous monitoring												
Г																
									% change +/- from							
Ι.	Emission	Emission		ELV or trigger values in licence or any revision	Averaging	Compliance	Units of	Annual Emission for current	previous reporting vear	Monitoring Equipment	Number of ELV exceedences in					
	eference no:	released to	Parameter/ Substance	thereof	Period	Criteria	measurement	reporting year (kg)	year	downtime (hours)	reporting year		Comm	ents		
F		SELECT	SELECT		SELECT	SELECT	SELECT									
F		SELECT	SELECT		SELECT	SELECT	SELECT									

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

Table W5: Abatement system bypass reporting table

Tubic trois	waternerit by be	ciii ay pass i cpoi tiiig	tubic				
Date	Duration (hours)	Location	Resultant emissions				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 te	esting template				Lic No:	W0151-01		Year	2013					
Bund testing		dropdown menu	click to see options				Additional information							
Are you required by yo	our licence to undertake i	integrity testing on bunds and co all bunds which failed the integrit de the licenced testing period (m	ntainment structures ? if yes p y test-all bunding structures v	which failed including mobil			Bund testing is stipulated in W0151- 01; however fuel is no longer stored on site (the plant items which required diesel are no longer on							
ane table below, pied.	se melade an bands batts.	ac the necroca testing period (iii	obile baries and elicinstole illi	idacay			site). Bund testing has, therefore, not been required (diesel tanks are							
						Yes	empty).	-						
	ity testing frequency perion in a register of bunds, und	ou lerground pipelines (including sto	rmwater and foul), Tanks, sun	nps and containers? (contai	ners refers to "Chemstore"	SELECT		†						
type units and mobile How many bunds are						SELECT		1						
How many of these bu	unds have been tested wi	thin the required test schedule?												
How many mobile bur Are the mobile bunds	nds are on site? included in the bund test	schedule?				SELECT		+						
How many of these m	nobile bunds have been te	sted within the required test sch	edule?					1						
How many of these su		within the test schedule?						1						
	integrity failures in table I mbers have high level liqu					SELECT		T						
If yes to Q11 are these	e failsafe systems include	d in a maintenance and testing p	rogramme?			SELECT		1						
		our integrity test programme?		_		SELECT		_						
Та	able B1: Summary details of	of bund /containment structure i	ntegrity test											
														Results of
Bund/Containment									Integrity reports maintained on		Integrity test failure		Scheduled date	retest(if in current
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	reporting yea
	SELECT					SELECT			SELECT	SELECT		SELECT		
	omply with 25% or 110% containme seen carried out in accord	nt rule as detailed in your licence ance with licence requirements a	nd are all structures tested in				Commentary	Т						
line with BS8007/EPA	Guidance? r systems to remote conta	inment sustams tested?		bunding and storage guide	lines	SELECT SELECT		+						
		th integrity and available volume	?			SELECT		1						
Pipeline/undergr	round structure testing							T						
Are you required by y		integrity testing* on underground				SELECT								
underground structur			all willer have not been teste	u withing the integrity test	periou as specifieu	SELECT		1						
underground structur Please provide integri	ity testing frequency perio	od												
Please provide integri	ity testing frequency perio	od htness testing for process and fou	l pipelines (as required under	your licence)										
Please provide integri *please note integrity	ity testing frequency perio y testing means water tigh			your licence)		1						7		
Please provide integri *please note integrity	ity testing frequency perio y testing means water tigh	ntness testing for process and fou		your licence)								1		
Please provide integri *please note integrity	ity testing frequency perio y testing means water tigh	ntness testing for process and fou		Type of secondary										
Please provide integri *please note integrity	ity testing frequency perio y testing means water tigh	ntness testing for process and fou	integrity test			Integrity reports		Integrity test	Corrective action	Scheduled date	Results of retest(if in current			
Please provide integri *please note integrity	ity testing frequency perior testing means water tight le B2: Summary details of Type system	ntness testing for process and fou pipeline/underground structures	Does this structure have Secondary containment?	Type of secondary containment	Type integrity testing	Integrity reports maintained on site?	Results of test		Corrective action taken	Scheduled date for retest	Results of retest(if in current reporting year)			
Please provide integri *please note integrity <b>Tabl</b>	ity testing frequency perior testing means water tigh le B2: Summary details of	ntness testing for process and fou	integrity test  Does this structure have	Type of secondary	Type integrity testing SELECT		Results of test SELECT	failure explanation						
Please provide integri *please note integrity <b>Tabl</b>	ity testing frequency perior testing means water tight le B2: Summary details of Type system	ntness testing for process and fou pipeline/underground structures	Does this structure have Secondary containment?	Type of secondary containment		maintained on site?		failure explanation			reporting year)			
Please provide integri *please note integrity <b>Tabl</b>	ity testing frequency perior testing means water tight le B2: Summary details of Type system	ntness testing for process and fou pipeline/underground structures	Does this structure have Secondary containment?	Type of secondary containment		maintained on site?		failure explanation			reporting year)			
Please provide integri *please note integrity <b>Tabl</b>	ity testing frequency perior testing means water tight le B2: Summary details of Type system	ntness testing for process and fou pipeline/underground structures	Does this structure have Secondary containment?	Type of secondary containment		maintained on site?		failure explanation			reporting year)			
Please provide integri *please note integrity <b>Tabl</b>	ity testing frequency perior testing means water tight le B2: Summary details of Type system	ntness testing for process and fou pipeline/underground structure:  Material of construction:  SELECT	Does this structure have Secondary containment?	Type of secondary containment	SELECT	maintained on site?		failure explanation			reporting year)			

Groundwater/Soil monitoring template Lic No: W0151-01 Year 2013

## Comments

		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 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**

	10									
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
25/03/13 17/09/13	MW-18	Ammoniacal Nitrogen	Lab analysis	Biannual	0.1	0.065	mg/l NH4-N	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-18	Chloride	Lab analysis	Biannual	37.4	36.35	mg/l	W0151-01 EPA Trigger Level	70	No
25/03/13 17/09/13	MW-18	Phenols, Total	Lab analysis	Biannual	0.1	0.1	mg/l	W0151-01 EPA Trigger Level	0.1	No
25/03/13 17/09/13	MW-18	Sulphate	Lab analysis	Biannual	4.32	3.14	mg/l	W0151-01 EPA Trigger Level	140	No
25/03/13 17/09/13	MW-18	Total Organic Carbon	Lab analysis	Biannual	4	3.5	mg/l	W0151-01 EPA Trigger Level	50	No
25/03/13 17/09/13	MW-18	Colour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-18	Conductivity	Field analysis	Biannual	0.24	0.225	mS/cm	W0151-01 EPA Trigger Level	1	No
25/03/13 17/09/13	MW-18	Dissolved Oxygen	Field analysis	Biannual	2.44	1.44	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-18	Level, Water	Field analysis	Biannual	13.02	12.63	mOD	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-18	Odour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No

25/03/13   MW-18   pt   field analysis   Bianneal   6.9   6.65   pt   Misser (cert   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700   1.700	Groundwa	ater/Soil n	nonitoring te	mplate		Lic No:	W0151-01		Year	3	
25/09/13   MW-18   Temperature   Field analysis   Biannual   10-9   8.15   OC					Biannual		_	рН			No
17/09/13   MW-18   Alkalimity, Lab analysis   Biannual   S8   S8   mrg/l   Mrs.   Mr	17/09/13								Trigger Level		
25/03/13   MW-18   Abalinthy, Lab analysis   Biannual   S8   S8   mg/fl   M035-101 FPA   N/A   No   12/09/13   MW-18   Boron   Lab analysis   Biannual   0.012   0.012   mg/fl   M035-101 FPA   N/A   No   12/09/13   MW-18   Celum   Lab analysis   Biannual   0.0005   0.0005   mg/fl   M035-101 FPA   N/A   No   12/09/13   MW-18   Celum   Lab analysis   Biannual   0.0005   0.0005   mg/fl   M035-101 FPA   N/A   No   12/09/13   MW-18   Celum   Lab analysis   Biannual   0.0015   0.0005   mg/fl   M035-101 FPA   N/A   No   12/09/13   MW-18   Celum   Lab analysis   Biannual   0.0015   0.0015   mg/fl   M035-101 FPA   N/A   No   12/09/13   MW-18   Celum   Lab analysis   Biannual   0.0015   0.0015   mg/fl   M035-101 FPA   N/A   No   12/09/13   MW-18   Cellorms, Lab analysis   Biannual   10   10   cfm/s/100ms   M035-101 FPA   N/A   No   12/09/13   MW-18   Cellorms, Lab analysis   Biannual   20   20   cfm/s/100ms   M035-101 FPA   N/A   No   12/09/13   MW-18   Combern   Lab analysis   Biannual   0.007   0.007   mg/fl   M035-101 FPA   N/A   No   12/09/13   MW-18   Combern   Lab analysis   Biannual   0.007   0.007   mg/fl   M035-101 FPA   N/A   No   12/09/13   MW-18   Combern   Lab analysis   Biannual   0.007   0.007   mg/fl   M035-101 FPA   N/A   No   12/09/13   MW-18   Combern   Lab analysis   Biannual   0.007   0.007   mg/fl   M035-101 FPA   N/A   No   12/09/13   MW-18   Combern   Lab analysis   Biannual   0.00   0.007   mg/fl   M035-101 FPA   N/A   No   12/09/13   MW-18   Combern   Lab analysis   Biannual   0.00   0.007   mg/fl   M035-101 FPA   N/A   No   12/09/13   MW-18   Combern   Lab analysis   Biannual   0.00   0.005   mg/fl   M035-101 FPA   N/A   No   12/09/13   MW-18   Combern   Lab analysis   Biannual   0.00   0.005   mg/fl   M035-101 FPA   N/A   No   12/09/13   MW-18   Magnesium   Lab analysis   Biannual   0.00   0.005   mg/fl   M035-101 FPA   N/A   No   12/09/13   MW-18   Magnesium   Lab analysis   Biannual   0.000   0.000   mg/fl   M035-101 FPA   N/A   No   12/09/13   MW-18   Combern   Lab analysis   Biannual   0.	25/03/13	MW-18	Temperature	Field analysis	Biannual	10.9	8.15	oC	W0151-01 EPA	N/A	No
1700913	17/09/13								Trigger Level		
25/03/13   MW-18   Boron   Lab analysis   Biannual   0.012   0.012   mg/l   W015-10-10-PA   N/A   No   17/09/15   25/03/13   MW-18   Cadmium   Lab analysis   Biannual   0.0005   0.0005   mg/l   W015-10-10-PA   N/A   No   17/09/15   MW-18   Cadmium   Lab analysis   Biannual   18.1   18.1   mg/l   W015-10-10-PA   N/A   No   17/09/13   MW-18   Calmium   Lab analysis   Biannual   0.0015   0.0015   mg/l   W015-10-10-PA   N/A   No   17/09/13   WW-18   Calmium   Lab analysis   Biannual   10   10   Cfu/n/100ml   W015-10-10-PA   N/A   No   17/09/13   WW-18   Calmium   Lab analysis   Biannual   20   20   Cfu/n/100ml   W015-10-10-PA   N/A   No   17/09/13   WW-18   Calmium   Lab analysis   Biannual   0.0017   0.007   mg/l   Triaget Level   W015-10-10-PA   N/A   No   W015-10-10	25/03/13	MW-18	Alkalinity,	Lab analysis	Biannual	58	58	mg/l	W0151-01 EPA	N/A	No
25/03/13   MW-18   Soron   Lab analysis   Biannual   0.012   0.012   mg/l   W015-10-10-PA   N/A   No   17/09/13   MW-18   Cadmium   Lab analysis   Biannual   0.0005   0.0005   mg/l   W015-10-10-PA   0.004   No   17/09/13   MW-18   Cadmium   Lab analysis   Biannual   18.1   18.1   mg/l   W015-10-10-PA   N/A   No   17/09/13   MW-18   Colffors,   Lab analysis   Biannual   10.0015   mg/l   W015-10-10-PA   N/A   No   17/09/13   WW-18   Colffors,   Lab analysis   Biannual   10   10   Cfus/100/nl   W015-10-10-PA   N/A   No   17/09/13   WW-18   Colffors,   Lab analysis   Biannual   20   20   Cfus/100/nl   W015-10-10-PA   N/A   No   17/09/13   WW-18   Colffors,   Lab analysis   Biannual   20   20   Cfus/100/nl   W015-10-10-PA   N/A   No   17/09/13   WW-18   Colffors,   Lab analysis   Biannual   20   20   Cfus/100/nl   W015-10-10-PA   N/A   No   17/09/13   WW-18   Colffors,   Lab analysis   Biannual   20   20   Cfus/100/nl   W015-10-10-PA   N/A   No   17/09/13   WW-18   Colffors,   Lab analysis   Biannual   0.007   0.007   mg/l   Trigger Level   Trigger Level   1.27/09/13   WW-18   Colffors,   Lab analysis   Biannual   0.01   0.01   mg/l   Trigger Level   1.27/09/13   WW-18   Colffors,   Lab analysis   Biannual   0.01   0.01   mg/l   W015-10-10-PA   N/A   No   1.27/09/13   WW-18   Flooride   Lab analysis   Biannual   0.01   0.01   mg/l   W015-10-10-PA   N/A   No   1.27/09/13   WW-18   Colffors,   Lab analysis   Biannual   0.02   0.02   mg/l   W015-10-10-PA   N/A   No   1.27/09/13   WW-18   Lad analysis   Biannual   0.02   0.02   mg/l   W015-10-10-PA   N/A   No   1.27/09/13   WW-18   Lab analysis   Biannual   0.00   0.02   mg/l   W015-10-10-PA   N/A   No   1.27/09/13   WW-18   Mangerestra   Lab analysis   Biannual   0.00   0.00   mg/l   W015-10-10-PA   N/A   No   1.27/09/13   WW-18   Mangerestra   Lab analysis   Biannual   0.00   0.00   mg/l   W015-10-10-PA   N/A   No   1.27/09/13   WW-18   Mangerestra   Lab analysis   Biannual   0.00   0.00   mg/l   W015-10-10-PA   N/A   No   1.27/09/13   WW-18   Mangerestra   Lab anal	17/09/13		Total						Trigger Level		
1/206/13	25/03/13	MW-18		Lab analysis	Biannual	0.012	0.012	mg/l		N/A	No
25/03/13   MW-18   Calmium   Lab analysis   Biannual   0.0005   0.0005   mg/l   M015-101 FPA   0.004   No   12/09/13   MW-18   Calcium   Lab analysis   Biannual   18.1   18.1   mg/l   M015-101 FPA   No   12/09/13   MW-18   Calcium   Lab analysis   Biannual   0.0015   0.0015   mg/l   Trisper Level   N/A   No   12/09/13   MW-18   Calcium   Lab analysis   Biannual   0.0015   mg/l   Trisper Level   N/A   No   12/09/13   MW-18   Calcium   Lab analysis   Biannual   0.0017   MW-18   Calcium   Lab analysis   Biannual   0.007   MW-18   Calcium   Lab analysis   Biannual   0.007   MW-18   Calcium   MW-18   Calcium   Lab analysis   Biannual   0.007   MW-18   Calcium   MW-18   Calcium   Lab analysis   Biannual   0.007   MW-18   MW-18   Fluorde   Lab analysis   Biannual   0.001   MW-18   MW-18   Fluorde   Lab analysis   Biannual   0.002   MW-18   MW-18   MW-18   MW-				•				G.	Trigger Level	,	
17/98/13		MW-18	Cadmium	Lab analysis	Biannual	0.0005	0.0005	mg/l		0.004	No
25/09/13							******	8/			
17/09/13		M\M-18	Calcium	Lah analysis	Riannual	18.1	18.1	mg/l		N/A	No
25/03/13		10	Culcium	Lab analysis	Diamilaai	10.1	10.1	6/ .		,	
27/99/13		M/M-18	Chromium	Lah analysis	Riannual	0.0015	0.0015	mg/l		N/A	No
25/03/13   MW-18   Coliforms, Lab analysis   Biannual   10   10   clus/100ml   W0151-01 EPA   N/A   No   No   No   No   No   No   No   N		IVIVV-10		Lab ariarysis	Diamilia	0.0013	0.0013	1116/1		N/A	NO
17/09/13		NAVA/ 10		Lab analysis	Diannual	10	10	cfuc/100ml		NI/A	No
25/03/13   MW-18   Coliforns,   Lab analysis   Biannual   20   20   Cfus/100ml   W0151-01 EPA   N/A   No   17/09/13   Total   Lab analysis   Biannual   0.007   0.007   mg/l   W0151-01 EPA   N/A   No   17/09/13   No   17/		10100-10	,	Lab allalysis	Didililudi	10	10	Clus/100IIII		N/A	NO
17/09/13   Total   Total   Total   Trigger Level   Trigger L		144440		tabanat as	Discount.	20	20	· · · /4.00 · · l		11/1	N.
25/03/13   MW-18   Copper   Lab analysis   Biannual   0.007   0.007   mg/l   M0151-01 EPA   0.5   No   17/09/13   17/09/13   17/09/13   NW-18   Coparison   Lab analysis   Biannual   0.01   0.01   mg/l   M0151-01 EPA   N/A   No   17/09/13   NW-18   Fluoride   Lab analysis   Biannual   0.3   0.3   mg/l   M0151-01 EPA   N/A   No   17/09/13   NW-18   Fluoride   Lab analysis   Biannual   0.02   0.02   mg/l   M0151-01 EPA   N/A   No   17/09/13   NW-18   Fluoride   Lab analysis   Biannual   0.005   0.005   mg/l   M0151-01 EPA   N/A   No   17/09/13   NW-18   Fluoride   Lab analysis   Biannual   0.005   0.005   mg/l   M0151-01 EPA   N/A   No   17/09/13   NW-18   Fluoride   Lab analysis   Biannual   1.9   1.9   mg/l   M0151-01 EPA   N/A   No   17/09/13   NW-18   Fluoride   Lab analysis   Biannual   0.001   0.001   mg/l   M0151-01 EPA   N/A   No   17/09/13   NW-18   Fluoride   Lab analysis   Biannual   0.001   0.001   mg/l   M0151-01 EPA   N/A   No   17/09/13   NW-18   Fluoride   Lab analysis   Biannual   0.001   0.001   mg/l   M0151-01 EPA   N/A   No   17/09/13   NW-18   Fluoride   Lab analysis   Biannual   0.001   0.001   mg/l   M0151-01 EPA   N/A   No   17/09/13   NW-18   Fluoride   Lab analysis   Biannual   0.001   0.001   mg/l   M0151-01 EPA   N/A   No   17/09/13   NW-18   Fluoride   Lab analysis   Biannual   0.001   0.001   mg/l   M0151-01 EPA   N/A   No   17/09/13   NW-18   Fluoride   Lab analysis   Biannual   0.001   0.001   mg/l   M0151-01 EPA   N/A   No   17/09/13   NW-18   Fluoride   Lab analysis   Biannual   0.001   0.001   mg/l   M0151-01 EPA   N/A   No   17/09/13   NW-18   Fluoride   Lab analysis   Biannual   0.001   0.001   mg/l   M0151-01 EPA   N/A   No   17/09/13   NW-18   Fluoride   Lab analysis   Biannual   0.001   0.001   mg/l   M0151-01 EPA   N/A   No   17/09/13   NW-18   Fluoride   Lab analysis   Biannual   0.001   0.001   mg/l   M0151-01 EPA   N/A   No   17/09/13   NW-18   Fluoride   Lab analysis   Biannual   0.001   0.003   mg/l   M0151-01 EPA   N/A   No   17/09/13   NW-18   Fluoride   Lab analys		IVIW-18	,	Lab analysis	Biannuai	20	20	crus/100mi		N/A	NO
17/09/13							0.00	,			
17/09/13   MW-18   Cyanide   Lab analysis   Biannual   0.01   0.01   mg/l   M0151-01 EPA   N/A   No   No   17/09/13   MW-18   Fluoride   Lab analysis   Biannual   0.3   0.3   mg/l   W0151-01 EPA   N/A   No   No   17/09/13   MW-18   Fluoride   Lab analysis   Biannual   0.02   0.02   mg/l   W0151-01 EPA   N/A   No   No   17/09/13   MW-18   Lead   Lab analysis   Biannual   0.005   0.005   mg/l   W0151-01 EPA   N/A   No   No   17/09/13   MW-18   Lead   Lab analysis   Biannual   0.005   0.005   mg/l   W0151-01 EPA   N/A   No   No   17/09/13   MW-18   Lab analysis   Biannual   0.167   0.167   mg/l   W0151-01 EPA   N/A   No   17/09/13   MW-18   Magnese   Lab analysis   Biannual   0.167   0.167   mg/l   W0151-01 EPA   N/A   No   17/09/13   MW-18   Nickel   Lab analysis   Biannual   0.001   0.001   mg/l   W0151-01 EPA   N/A   No   17/09/13   MW-18   Nickel   Lab analysis   Biannual   0.002   0.002   mg/l   W0151-01 EPA   N/A   No   17/09/13   MW-18   Nickel   Lab analysis   Biannual   0.000   0.001   mg/l   W0151-01 EPA   N/A   No   17/09/13   MW-18   Nickel   Lab analysis   Biannual   0.000   0.000   mg/l   W0151-01 EPA   N/A   No   17/09/13   MW-18   Propsyrous,   Lab analysis   Biannual   0.000   0.000   mg/l   W0151-01 EPA   N/A   No   17/09/13   MW-18   Propsyrous,   Lab analysis   Biannual   0.001   0.001   mg/l   W0151-01 EPA   N/A   No   17/09/13   MW-18   Foliation   MW-18   N/A   No   17/09/13   MW-18   Sodium   Lab analysis   Biannual   0.011   0.011   mg/l   M0151-01 EPA   N/A   No   17/09/13   MW-18   Sodium   Lab analysis   Biannual   0.011   0.011   mg/l   M0151-01 EPA   N/A   No   17/09/13   MW-18   Sodium   MW-18   N/A   No   MW-18   N/A		MW-18	Copper	Lab analysis	Biannual	0.007	0.007	mg/I		0.5	No
								_			
25/03/13   MW-18   Fluoride   Lab analysis   Biannual   0.3   0.3   mg/l   W0151-01 FPA   N/A   No   No   17/09/13   17/09/13   MW-18   Fluoride   Lab analysis   Biannual   0.02   0.02   mg/l   W0151-01 FPA   N/A   No   No   17/09/13   MW-18   Lead   Lab analysis   Biannual   0.005   0.005   mg/l   W0151-01 FPA   N/A   No   17/09/13   MW-18   Lead   Lab analysis   Biannual   1.9   1.9   mg/l   W0151-01 FPA   N/A   No   17/09/13   MW-18   Magnesium   Lab analysis   Biannual   1.9   1.9   mg/l   W0151-01 FPA   N/A   No   17/09/13   MW-18   Magnesium   Lab analysis   Biannual   0.167   0.167   mg/l   W0151-01 FPA   N/A   No   17/09/13   MW-18   Magnesium   Lab analysis   Biannual   0.0167   0.167   mg/l   W0151-01 FPA   N/A   No   17/09/13   MW-18   Magnesium   Lab analysis   Biannual   0.001   0.001   mg/l   W0151-01 FPA   N/A   No   17/09/13   MW-18   Mercury   Lab analysis   Biannual   0.001   0.001   mg/l   W0151-01 FPA   N/A   No   17/09/13   MW-18   Magnesium   Lab analysis   Biannual   0.002   0.002   mg/l   W0151-01 FPA   N/A   No   17/09/13   MW-18   Magnesium   Lab analysis   Biannual   0.006   0.06   mg/l   W0151-01 FPA   N/A   No   17/09/13   MW-18   Potassium   Lab analysis   Biannual   0.011   0.011   mg/l   W0151-01 FPA   N/A   No   17/09/13   MW-18   Potassium   Lab analysis   Biannual   0.011   0.011   mg/l   W0151-01 FPA   N/A   No   17/09/13   MW-18   Residue on   Lab analysis   Biannual   1.6   1.6   mg/l   W0151-01 FPA   N/A   No   17/09/13   MW-18   Residue on   Lab analysis   Biannual   0.02   0.002   mg/l   W0151-01 FPA   N/A   No   17/09/13   MW-18   Total Oxidized   Lab analysis   Biannual   0.02   0.003   mg/l   W0151-01 FPA   N/A   No   17/09/13   MW-18   Total Oxidized   Lab analysis   Biannual   0.03   0.03   mg/l   W0151-01 FPA   N/A   No   17/09/13   MW-18   Total Oxidized   Lab analysis   Biannual   0.03   0.03   mg/l   W0151-01 FPA   N/A   No   17/09/13   MW-18   Total Oxidized   Lab analysis   Biannual   0.03   0.03   mg/l   W0151-01 FPA   N/A   No   17/09/13   MW-18   Total Ox		MW-18	Cyanide	Lab analysis	Biannual	0.01	0.01	mg/l		N/A	No
17/09/13											
25/03/13   MW-18   Iron   Lab analysis   Biannual   0.02   0.02   mg/l   W0151-01 EPA   N/A   No   17/09/13   Trigger Level   N/A   No   No   No   No   No   No   No   N		MW-18	Fluoride	Lab analysis	Biannual	0.3	0.3	mg/l	W0151-01 EPA	N/A	No
17/09/13   MW-18   Lead   Lab analysis   Biannual   D.005   D.005   mg/l   W0151-01 EPA   N/A   No   No   No   No   No   No   No   N											
25/03/13   MW-18   Lead   Lab analysis   Biannual   0.005   0.005   mg/l   W0151-01 EPA   N/A   No   Trigger Level	25/03/13	MW-18	Iron	Lab analysis	Biannual	0.02	0.02	mg/l	W0151-01 EPA	N/A	No
17/09/13	17/09/13								Trigger Level		
25/03/13   MW-18   Magnesium   Lab analysis   Biannual   1.9   1.9   mg/l   W0151-01 EPA   N/A   No   No   No   No   No   No   No   N	25/03/13	MW-18	Lead	Lab analysis	Biannual	0.005	0.005	mg/l	W0151-01 EPA	N/A	No
17/09/13	17/09/13								Trigger Level		
17/09/13	25/03/13	MW-18	Magnesium	Lab analysis	Biannual	1.9	1.9	mg/l	W0151-01 EPA	N/A	No
25/03/13   MW-18   Manganese   Lab analysis   Biannual   0.167   0.167   mg/l   W0151-01 FPA   N/A   No   Trigger Level   N/A   No   No   No   No   No   No   No   N				, , , , , ,				3,		,	
17/09/13		MW-18	Manganese	Lab analysis	Biannual	0.167	0.167	mg/l		N/A	No
25/03/13						**				,	
17/09/13		MW-18	Mercury	Lah analysis	Biannual	0.001	0.001	mg/l		N/A	No
25/03/13   MW-18   Nickel   Lab analysis   Biannual   0.002   0.002   mg/l   W0151-01 EPA   N/A   No   No   17/09/13   MW-18   Orthophospha   Lab analysis   Biannual   0.06   0.06   mg/l   W0151-01 EPA   N/A   No   17/09/13   MW-18   Phosphorous   Lab analysis   Biannual   0.011   0.011   mg/l   W0151-01 EPA   N/A   No   17/09/13   MW-18   Potassium   Lab analysis   Biannual   1.6   1.6   mg/l   W0151-01 EPA   N/A   No   17/09/13   MW-18   Residue on   Lab analysis   Biannual   1.13   1.13   mg/l   W0151-01 EPA   N/A   No   17/09/13   MW-18   Sodium   Lab analysis   Biannual   1.13   1.13   mg/l   W0151-01 EPA   N/A   No   17/09/13   MW-18   Sodium   Lab analysis   Biannual   20.2   20.2   mg/l   W0151-01 EPA   N/A   No   17/09/13   MW-18   Total Oxidized   Lab analysis   Biannual   0.2   0.2   mg/l   W0151-01 EPA   N/A   No   17/09/13   MW-18   Total Oxidized   Lab analysis   Biannual   0.2   0.2   mg/l   W0151-01 EPA   N/A   No   17/09/13   MW-18   Zinc   Lab analysis   Biannual   0.03   0.003   mg/l   W0151-01 EPA   N/A   No   17/09/13   MW-18   Zinc   Lab analysis   Biannual   0.03   0.003   mg/l   W0151-01 EPA   N/A   No   17/09/13   MW-19   Ammoniacal   Lab analysis   Biannual   0.03   0.03   mg/l   W0151-01 EPA   N/A   No   17/09/13   MW-19   Ammoniacal   Lab analysis   Biannual   0.03   0.03   mg/l   W0151-01 EPA   N/A   No   17/09/13   MW-19   Ammoniacal   Lab analysis   Biannual   0.01   0.1   mg/l   W0151-01 EPA   Trigger Level   N/O   No   17/09/13   MW-19   Phenols, Total   Lab analysis   Biannual   0.1   0.1   mg/l   W0151-01 EPA   Trigger Level   N/A   No   17/09/13   MW-19   Phenols, Total   Lab analysis   Biannual   0.1   0.1   mg/l   W0151-01 EPA   0.1   No   17/09/13   MW-19   Sulphate   Lab analysis   Biannual   180.85   128.885   mg/l   W0151-01 EPA   140   No   No   10.10   MO151-01 EPA   140   No   10.10   MO151-01 EPA		10	.vicica.y	Lab analysis	Diamila	0.001	0.001	6/ .		,	
17/09/13		NA\A/ 10	Nickol	Lab analysis	Piannual	0.002	0.002	ma/l		NI/A	No
25/03/13		INIAA-TO	INICKEI	Lab allalysis	Diaminuai	0.002	0.002	1118/1		N/A	NO
17/09/13   tes		NAVA/ 10	Orthophospho	Lab analysis	Diannual	0.06	0.06	ma/I		NI/A	No
25/03/13   MW-18   Phosphorous, Total   Tota		10100-10		Lab allalysis	Didililudi	0.06	0.06	IIIg/I		N/A	NO
17/09/13		144440	ics	tabanat at	D'anna at	0.044	0.044			11/4	N .
25/03/13		IVIW-18		Lab analysis	Biannuai	0.011	0.011	mg/I		N/A	NO
17/09/13		101/46		Laborat 2	D'1	1.0	1.0	/1		21/2	N.
25/03/13   MW-18   Residue on Evaporation   Lab analysis   Biannual   113   113   mg/l   W0151-01 EPA   N/A   No   Trigger Level   W0151-01 EPA   N/A   No   No   Trigger Level   W0151-01 EPA   MV   MV0151-01 EPA   MV0151		MW-18	Potassium	Lab analysis	Biannual	1.6	1.6	mg/I		N/A	No
17/09/13   Evaporation   Lab analysis   Biannual   20.2   20.2   mg/l   W0151-01 EPA   80   No   17/09/13   MW-18   Total Oxidized   Lab analysis   Biannual   0.2   0.2   mg/l   W0151-01 EPA   N/A   No   17/09/13   MW-18   Zinc   Lab analysis   Biannual   0.003   0.003   mg/l   W0151-01 EPA   N/A   No   17/09/13   MW-19   Ammoniacal   Lab analysis   Biannual   0.03   0.03   mg/l   W0151-01 EPA   N/A   No   17/09/13   MW-19   Chloride   Lab analysis   Biannual   34.6   30.1   mg/l   W0151-01 EPA   Trigger Level   Trigger Level   M/A   No   17/09/13   MW-19   Chloride   Lab analysis   Biannual   34.6   30.1   mg/l   W0151-01 EPA   70   No   17/09/13   MW-19   Phenols, Total   Lab analysis   Biannual   0.1   0.1   mg/l   W0151-01 EPA   0.1   No   17/09/13   Trigger Level   M/O   M/O			1								
25/03/13   MW-18   Sodium   Lab analysis   Biannual   20.2   20.2   mg/l   W0151-01 EPA   80   No   No   Trigger Level   25/03/13   MW-18   Total Oxidized   Nitrogen   Nitrog		MW-18		Lab analysis	Biannual	113	113	mg/l		N/A	No
17/09/13											
25/03/13		MW-18	Sodium	Lab analysis	Biannual	20.2	20.2	mg/l		80	No
17/09/13						1	1				
25/03/13   MW-18   Zinc   Lab analysis   Biannual   0.003   0.003   mg/l   W0151-01 EPA   N/A   No   No   No   No   No   No   No   N	25/03/13	MW-18	Total Oxidized	Lab analysis	Biannual	0.2	0.2	mg/l	W0151-01 EPA	N/A	No
17/09/13	17/09/13		Nitrogen						Trigger Level		
17/09/13											
25/03/13   MW-19   Ammoniacal Nitrogen   Lab analysis   Biannual   0.03   0.03   mg/l NH4-N   W0151-01 EPA   N/A   No   No   No   No   No   No   No   N	25/03/13	MW-18	Zinc	Lab analysis	Biannual	0.003	0.003	mg/l	W0151-01 EPA	N/A	No
25/03/13   MW-19   Ammoniacal Nitrogen   Lab analysis   Biannual   0.03   0.03   mg/l NH4-N   W0151-01 EPA   N/A   No   No   No   No   No   No   No   N	17/09/13		<u>                                     </u>			<u> </u>			Trigger Level		
17/09/13											
17/09/13	25/03/13	MW-19	Ammoniacal	Lab analysis	Biannual	0.03	0.03	mg/l NH4-N	W0151-01 FPA	N/A	No
25/03/13   MW-19   Chloride   Lab analysis   Biannual   34.6   30.1   mg/l   W0151-01 EPA   70   No   No   17/09/13   Trigger Level   25/03/13   MW-19   Phenols, Total   Lab analysis   Biannual   0.1   0.1   mg/l   W0151-01 EPA   0.1   No   Trigger Level   25/03/13   MW-19   Sulphate   Lab analysis   Biannual   180.85   128.885   mg/l   W0151-01 EPA   140   No   No   Mathematical No   No   Mathematical No   No   Mathematical No   No   Mathematical No   Mat		14144-13		Lab ariarysis	Diaminal	0.03	3.03	1116/114114-14		11/7	140
17/09/13     Trigger Level       25/03/13     MW-19     Phenols, Total Phenols, Total Lab analysis     Biannual     0.1     0.1     mg/l     W0151-01 EPA V0151-01 EPA		M/M/_10		Lah analysis	Riannual	34.6	30.1	mg/l		70	No
25/03/13     MW-19     Phenols, Total Lab analysis     Biannual     0.1     0.1     mg/l     W0151-01 EPA Trigger Level       17/09/13     WW-19     Sulphate     Lab analysis     Biannual     180.85     128.885     mg/l     W0151-01 EPA W0151-01 E		1V1VV-13	Cinolide	Lan analysis	Diailliual	34.0	30.1	111g/1		, 0	IVU
17/09/13         Trigger Level           25/03/13         MW-19         Sulphate         Lab analysis         Biannual         180.85         128.885         mg/l         W0151-01 EPA         140         No		NAVA / 10	Dhanala Tetal	Lab analysis	Diannual	0.1	0.1	ma/l		0.1	No
25/03/13 MW-19 Sulphate Lab analysis Biannual 180.85 128.885 mg/l W0151-01 EPA 140 No	Z3/U3/13	INIM-18	Prieriois, rotal	Lab analysis	Biannuai	0.1	0.1	mg/i		0.1	INO
			1			1	1		Trigger Level		
17/09/13 Trigger Level	17/09/13	A 414 1 2	6.1.1.1	tale as A. A.	Disc.	4000=	430.00=	,,	MO4E4 04 50:	4.60	

Groundw	ater/Soil n	nonitoring te	mplate		Lic No:	W0151-01		Year	2013	
25/03/13	MW-19	Total Organic	Lab analysis	Biannual	4	3	mg/l	W0151-01 EPA	50	No
17/09/13	10100-13	Carbon	Lab allalysis	Diamilia	4	3	1115/1	Trigger Level	30	140
17/09/13		Carbon						rrigger Level		
25/03/13	MW-19	Colour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA	N/A	No
17/09/13	10100-19	Colour	rieiu alialysis	Didililudi	#VALUE!	#VALUE!	N/A		IN/A	INO
25/03/13	MW-19	Conductivity	Field analysis	Biannual	0.99	0.955	mS/cm	Trigger Level W0151-01 EPA	1	No
	IVIVV-19	Conductivity	Field analysis	Biannuai	0.99	0.955	ms/cm		1	NO
17/09/13	101/40	Direct col	eratal and are	D'		2.045		Trigger Level	21/2	N1.
25/03/13	MW-19	Dissolved	Field analysis	Biannual	5.44	2.915	mg/l	W0151-01 EPA	N/A	No
17/09/13		Oxygen						Trigger Level		
25/03/13	MW-19	Level, Water	Field analysis	Biannual	14.15	13.24	mOD	W0151-01 EPA	N/A	No
17/09/13								Trigger Level		
25/03/13	MW-19	Odour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA	N/A	No
17/09/13								Trigger Level		
25/03/13	MW-19	pН	Field analysis	Biannual	6.9	6.65	pН	W0151-01 EPA	6 <ph<9< td=""><td>No</td></ph<9<>	No
17/09/13								Trigger Level		
25/03/13	MW-19	Temperature	Field analysis	Biannual	10.2	8	oC	W0151-01 EPA	N/A	No
17/09/13		·	·					Trigger Level		
25/03/13	MW-19	Alkalinity,	Lab analysis	Biannual	368	368	mg/l	W0151-01 EPA	N/A	No
17/09/13	• 25	Total				300		Trigger Level		
25/03/13	MW-19	Boron	Lab analysis	Biannual	0.028	0.028	mg/l	W0151-01 EPA	N/A	No
17/09/13	10100 13	Boron	Lub ariarysis	Diamilaai	0.020	0.020	6/1	Trigger Level	14/73	110
25/03/13	MW-19	Cadmium	Lab analysis	Biannual	0.0005	0.0005	mg/l	W0151-01 EPA	0.004	No
	10100-19	Caulillulli	Lab allalysis	Didililudi	0.0005	0.0005	IIIg/I		0.004	INO
17/09/13		0.1.1					,,	Trigger Level		
25/03/13	MW-19	Calcium	Lab analysis	Biannual	155.1	155.1	mg/l	W0151-01 EPA	N/A	No
17/09/13								Trigger Level		
25/03/13	MW-19	Chromium,	Lab analysis	Biannual	0.0015	0.0015	mg/l	W0151-01 EPA	N/A	No
17/09/13		Total						Trigger Level		
25/03/13	MW-19	Coliforms,	Lab analysis	Biannual	10	10	cfus/100ml	W0151-01 EPA	N/A	No
17/09/13		Faecal						Trigger Level		
25/03/13	MW-19	Coliforms,	Lab analysis	Biannual	20	20	cfus/100ml	W0151-01 EPA	N/A	No
17/09/13		Total	-					Trigger Level		
25/03/13	MW-19	Copper	Lab analysis	Biannual	0.007	0.007	mg/l	W0151-01 EPA	0.5	No
17/09/13			, , , , , ,				3,	Trigger Level		
25/03/13	MW-19	Cyanide	Lab analysis	Biannual	0.01	0.01	mg/l	W0151-01 EPA	N/A	No
17/09/13		-,						Trigger Level	.,	
25/03/13	MW-19	Fluoride	Lab analysis	Biannual	0.3	0.3	mg/l	W0151-01 EPA	N/A	No
17/09/13	10100 13	ridoride	Lub unarysis	Diamila	0.5	0.5	6/1	Trigger Level	14/73	110
25/03/13	MW-19	Iron	Lab analysis	Biannual	0.02	0.02	mg/l	W0151-01 EPA	N/A	No
	10100-13	11011	Lab allalysis	Diailituai	0.02	0.02	1118/1		IN/A	INO
17/09/13 25/03/13	MW-19	Lead	Lab apalysis	Diagnust	0.005	0.005	ma/I	Trigger Level W0151-01 EPA	N/A	No
	ININA-18	Lead	Lab analysis	Biannual	0.005	0.005	mg/l		N/A	NO
17/09/13	NAVA / 10	Managaria	Lab analysis	Diagranal	12.5	12.5	/1	Trigger Level	N1/A	N-
25/03/13	MW-19	Magnesium	Lab analysis	Biannual	12.5	12.5	mg/l	W0151-01 EPA	N/A	No
17/09/13		+			<del> </del>			Trigger Level		
25/03/13	MW-19	Manganese	Lab analysis	Biannual	0.002	0.002	mg/l	W0151-01 EPA	N/A	No
17/09/13					<del>                                     </del>			Trigger Level		
25/03/13	MW-19	Mercury	Lab analysis	Biannual	0.001	0.001	mg/l	W0151-01 EPA	N/A	No
17/09/13								Trigger Level		
25/03/13	MW-19	Nickel	Lab analysis	Biannual	0.002	0.002	mg/l	W0151-01 EPA	N/A	No
17/09/13					<u> </u>			Trigger Level		
25/03/13	MW-19	Orthophospha	Lab analysis	Biannual	0.59	0.59	mg/l	W0151-01 EPA	N/A	No
17/09/13		tes	<i>'</i>		1		<b>J</b>	Trigger Level	,	
25/03/13	MW-19	Phosphorous,	Lab analysis	Biannual	0.242	0.242	mg/l	W0151-01 EPA	N/A	No
17/09/13	13	Total		5.0	0.2.2	3.2.2		Trigger Level	,	
25/03/13	MW-19	Potassium	Lab analysis	Biannual	3.2	3.2	mg/l	W0151-01 EPA	N/A	No
17/09/13	14144-13	1 0(033)0111	Lab allaly313	Diamilia	3.2	3.2	1116/1		11/7	NO
25/03/13	MW-19	Residue on	Lab analysis	Biannual	994	994	ma/I	Trigger Level W0151-01 EPA	N/A	No
	14144-13		Lau analysis	Didilliudi	994	994	mg/l		IN/A	INO
17/09/13		Evaporation		n	<b>—</b>			Trigger Level		
25/03/13	MW-19	Sodium	Lab analysis	Biannual	22	22	mg/l	W0151-01 EPA	80	No
17/09/13								Trigger Level		

Groundw	ater/Soil n	nonitoring te	mplate		Lic No:	W0151-01		Year	2013	
25/03/13 17/09/13	MW-19	Total Oxidized Nitrogen	Lab analysis	Biannual	1.1	1.1	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-19	Zinc	Lab analysis	Biannual	0.003	0.003	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 27/06/13 17/09/13	MW-21	Ammoniacal Nitrogen	Lab analysis	Quarterly	0.05	0.035	mg/l NH4-N	W0151-01 EPA Trigger Level	N/A	No
03/10/13 25/03/13 27/06/13 17/09/13	MW-21	Chloride	Lab analysis	Quarterly	82	66.55	mg/l	W0151-01 EPA Trigger Level	70	No
03/10/13 25/03/13 27/06/13 17/09/13	MW-21	Phenols, Total	Lab analysis	Quarterly	0.1	0.1	mg/l	W0151-01 EPA Trigger Level	0.1	No
03/10/13 25/03/13 27/06/13 17/09/13	MW-21	Sulphate	Lab analysis	Quarterly	60.45	47.17	mg/l	W0151-01 EPA Trigger Level	140	No
03/10/13 25/03/13 27/06/13 17/09/13	MW-21	Total Organic Carbon	Lab analysis	Quarterly	8	3.5	mg/l	W0151-01 EPA Trigger Level	50	No
03/10/13 25/03/13 27/06/13 17/09/13	MW-21	Colour	Field analysis	Quarterly	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No
03/10/13 25/03/13 27/06/13 17/09/13	MW-21	Conductivity	Field analysis	Quarterly	1.09	0.99	mS/cm	W0151-01 EPA Trigger Level	1	No
03/10/13 25/03/13 27/06/13 17/09/13	MW-21	Dissolved Oxygen	Field analysis	Quarterly	8.04	5.2425	mg/l	W0151-01 EPA Trigger Level	N/A	No
03/10/13 25/03/13 27/06/13 17/09/13	MW-21	Level, Water	Field analysis	Quarterly	13.43	12.8325	mOD	W0151-01 EPA Trigger Level	N/A	No
03/10/13 25/03/13 27/06/13 17/09/13	MW-21	Odour	Field analysis	Quarterly	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No
03/10/13 25/03/13 27/06/13 17/09/13	MW-21	рН	Field analysis	Quarterly	7.9	7.2	рН	W0151-01 EPA Trigger Level	6 <ph<9< td=""><td>No</td></ph<9<>	No
03/10/13 25/03/13 27/06/13 17/09/13	MW-21	Temperature	Field analysis	Quarterly	12	9.725	оС	W0151-01 EPA Trigger Level	N/A	No
03/10/13 25/03/13 27/06/13 17/09/13 03/10/13	MW-21	Alkalinity, Total	Lab analysis	Quarterly	322	322	mg/l	W0151-01 EPA Trigger Level	N/A	No

Groundw	ater/Soil m	nonitoring te	mplate		Lic No:	W0151-01		Year	2013	
25/03/13 27/06/13 17/09/13	MW-21	Boron	Lab analysis	Quarterly	0.037	0.037	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 27/06/13 17/09/13	MW-21	Cadmium	Lab analysis	Quarterly	0.0005	0.0005	mg/l	W0151-01 EPA Trigger Level	0.004	No
03/10/13 25/03/13 27/06/13 17/09/13 03/10/13	MW-21	Calcium	Lab analysis	Quarterly	140.9	140.9	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 27/06/13 17/09/13 03/10/13	MW-21	Chromium, Total	Lab analysis	Quarterly	0.0015	0.0015	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 27/06/13 17/09/13 03/10/13	MW-21	Coliforms, Faecal	Lab analysis	Quarterly	10	10	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
25/03/13 27/06/13 17/09/13 03/10/13	MW-21	Coliforms, Total	Lab analysis	Quarterly	20	20	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
25/03/13 27/06/13 17/09/13 03/10/13	MW-21	Copper	Lab analysis	Quarterly	0.007	0.007	mg/l	W0151-01 EPA Trigger Level	0.5	No
25/03/13 27/06/13 17/09/13 03/10/13	MW-21	Cyanide	Lab analysis	Quarterly	0.01	0.01	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 27/06/13 17/09/13 03/10/13 25/03/13	MW-21	Fluoride	Lab analysis	Quarterly	0.3	0.3	mg/l	W0151-01 EPA Trigger Level	N/A	No
27/06/13 17/09/13 03/10/13	MW-21	Iron	Lab analysis	Quarterly	0.02	0.02	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 27/06/13 17/09/13 03/10/13	MW-21	Lead	Lab analysis	Quarterly	0.005	0.005	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 27/06/13 17/09/13 03/10/13	MW-21	Magnesium	Lab analysis	Quarterly	10.1	10.1	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 27/06/13 17/09/13	MW-21	Manganese	Lab analysis	Quarterly	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 27/06/13 17/09/13 03/10/13	MW-21	Mercury	Lab analysis	Quarterly	0.001	0.001	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 27/06/13 17/09/13 03/10/13	MW-21	Nickel	Lab analysis	Quarterly	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No

Groundw	ater/Soil n	nonitoring te	mplate		Lic No:	W0151-01		Year	2013	
25/03/13 27/06/13 17/09/13 03/10/13	MW-21	Orthophospha tes	Lab analysis	Quarterly	0.06	0.06	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 27/06/13 17/09/13 03/10/13	MW-21	Phosphorous, Total	Lab analysis	Quarterly	0.203	0.203	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 27/06/13 17/09/13 03/10/13	MW-21	Potassium	Lab analysis	Quarterly	2.9	2.9	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 27/06/13 17/09/13 03/10/13	MW-21	Residue on Evaporation	Lab analysis	Quarterly	903	903	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 27/06/13 17/09/13 03/10/13	MW-21	Sodium	Lab analysis	Quarterly	30.6	30.6	mg/l	W0151-01 EPA Trigger Level	80	No
25/03/13 27/06/13 17/09/13 03/10/13	MW-21	Total Oxidized Nitrogen	Lab analysis	Quarterly	22.9	22.9	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 27/06/13 17/09/13 03/10/13	MW-21	Zinc	Lab analysis	Quarterly	0.003	0.003	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13 03/10/13 (FPA)	MW-24	Ammoniacal Nitrogen	Lab analysis	Biannual	0.13	0.063333333	mg/l NH4-N	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13 03/10/13 (FPA)	MW-24	Chloride	Lab analysis	Biannual	42.7	34.76666667	mg/l	W0151-01 EPA Trigger Level	70	No
25/03/13 17/09/13 03/10/13 (FPA)	MW-24	Phenols, Total	Lab analysis	Biannual	0.1	0.1	mg/l	W0151-01 EPA Trigger Level	0.1	No
25/03/13 17/09/13 03/10/13 (FPA)	MW-24	Sulphate	Lab analysis	Biannual	30.2	24.98666667	mg/l	W0151-01 EPA Trigger Level	140	No
25/03/13 17/09/13 03/10/13 (FPA)	MW-24	Total Organic Carbon	Lab analysis	Biannual	5	3.5	mg/l	W0151-01 EPA Trigger Level	50	No
25/03/13 17/09/13 03/10/13 (FPA)	MW-24	Colour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13 03/10/13 (FPA)	MW-24	Conductivity	Field analysis	Biannual	0.82	0.759666667	mS/cm	W0151-01 EPA Trigger Level	1	No

	<i>1</i>									
Groundy	vater/Soil n	nonitoring te	mplate		Lic No:	W0151-01		Year	2013	
25/03/13 17/09/13 03/10/13 (FPA)	MW-24	Dissolved Oxygen	Field analysis	Biannual	#VALUE!	#VALUE!	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13 03/10/13 (FPA)	MW-24	Level, Water	Field analysis	Biannual	12.45	11.58	mOD	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13 03/10/13 (FPA)	MW-24	Odour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13 03/10/13 (FPA)	MW-24	рН	Field analysis	Biannual	7.2	6.8	рН	W0151-01 EPA Trigger Level	6 <ph<9< td=""><td>No</td></ph<9<>	No
25/03/13 17/09/13 03/10/13 (FPA)	MW-24	Temperature	Field analysis	Biannual	14.2	11.16666667	оС	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13 03/10/13 (FPA)	MW-24	Alkalinity, Total	Lab analysis	Biannual	316	316	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13 03/10/13 (FPA)	MW-24	Boron	Lab analysis	Biannual	0.035	0.028	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13 03/10/13 (FPA)	MW-24	Cadmium	Lab analysis	Biannual	0.0005	0.00035	mg/l	W0151-01 EPA Trigger Level	0.004	No
25/03/13 17/09/13 03/10/13 (FPA)	MW-24	Calcium	Lab analysis	Biannual	124	123.35	mg/l	W0151-01 EPA Trigger Level	N/A	No
5/03/13 7/09/13 3/10/13 (FPA)	MW-24	Chromium, Total	Lab analysis	Biannual	0.0015	0.001	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13 03/10/13 (FPA)	MW-24	Coliforms, Faecal	Lab analysis	Biannual	10	10	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13 03/10/13 (FPA)	MW-24	Coliforms, Total	Lab analysis	Biannual	20	20	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13 03/10/13 (FPA)	MW-24	Copper	Lab analysis	Biannual	0.007	0.0047	mg/l	W0151-01 EPA Trigger Level	0.5	No
25/03/13 17/09/13 03/10/13 (FPA)	MW-24	Cyanide	Lab analysis	Biannual	0.01	0.01	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13 03/10/13 (FPA)	MW-24	Fluoride	Lab analysis	Biannual	0.3	0.3	mg/l	W0151-01 EPA Trigger Level	N/A	No

Groundw	ater/Soil n	nonitoring te	mplate		Lic No:	W0151-01		Year	2013	
25/03/13 17/09/13 03/10/13 (FPA)	MW-24	Iron	Lab analysis	Biannual	0.02	0.015	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13 03/10/13 (FPA)	MW-24	Lead	Lab analysis	Biannual	0.005	0.00275	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13 03/10/13 (EPA) 25/03/13	MW-24	Magnesium	Lab analysis	Biannual	12.5	12.4	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13 03/10/13 (EPA) 25/03/13	MW-24	Manganese	Lab analysis	Biannual	0.02	0.011	mg/l	W0151-01 EPA Trigger Level	N/A	No
17/09/13 03/10/13 (FPA)	MW-24	Mercury	Lab analysis	Biannual	0.001	0.000525	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13 03/10/13 (FPA)	MW-24	Nickel	Lab analysis	Biannual	0.004	0.003	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13 03/10/13 (FPA)	MW-24	Orthophospha tes	Lab analysis	Biannual	0.06	0.0325	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13 03/10/13	MW-24	Phosphorous, Total	Lab analysis	Biannual	0.025	0.025	mg/l	W0151-01 EPA Trigger Level	N/A	No
(FPA) 25/03/13 17/09/13 03/10/13 (FPA)	MW-24	Potassium	Lab analysis	Biannual	3.8	3.705	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13 03/10/13 (FPA)	MW-24	Residue on Evaporation	Lab analysis	Biannual	452	452	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13 03/10/13 (FPA)	MW-24	Sodium	Lab analysis	Biannual	21.7	21.6	mg/l	W0151-01 EPA Trigger Level	80	No
25/03/13 17/09/13 03/10/13	MW-24	Total Oxidized Nitrogen	Lab analysis	Biannual	4.8	4.75	mg/l	W0151-01 EPA Trigger Level	N/A	No
(FPA) 25/03/13 17/09/13 03/10/13 (FPA)	MW-24	Zinc	Lab analysis	Biannual	0.003	0.0025	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-25	Ammoniacal Nitrogen	Lab analysis	Biannual	0.09	0.06	mg/l NH4-N	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13 25/03/13	MW-25	Chloride	Lab analysis	Biannual	34.6	25.2	mg/l	W0151-01 EPA Trigger Level	70	No No
25/03/13 17/09/13	IVIW-25	Phenols, Total	Lab analysis	Biannual	0.1	0.1	mg/l	W0151-01 EPA Trigger Level	0.1	NO

Groundw	vater/Soil r	nonitoring te	mplate		Lic No:	W0151-01		Year	2013	
25/03/13 17/09/13	MW-25	Sulphate	Lab analysis	Biannual	28.18	20.555	mg/l	W0151-01 EPA Trigger Level	140	No
25/03/13	MW-25	Total Organic	Lab analysis	Biannual	12	12	mg/l	W0151-01 EPA	50	No
17/09/13	WW-25	Carbon	Lab ariarysis	Diamitual	12	12	1116/1	Trigger Level	30	140
17/03/13		Carbon						Trigger Level		
25/03/13	MW-25	Colour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA	N/A	No
17/09/13			,				.,	Trigger Level	,	
25/03/13	MW-25	Conductivity	Field analysis	Biannual	0.78	0.64	mS/cm	W0151-01 EPA	1	No
17/09/13		,	,,,,,				.,.	Trigger Level		
25/03/13	MW-25	Dissolved	Field analysis	Biannual	7.3	3.995	mg/l	W0151-01 EPA	N/A	No
17/09/13		Oxygen	,				G,	Trigger Level	·	
25/03/13	MW-25	Level, Water	Field analysis	Biannual	12.32	11.485	mOD	W0151-01 EPA	N/A	No
17/09/13								Trigger Level		
25/03/13	MW-25	Odour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA	N/A	No
17/09/13								Trigger Level		
25/03/13	MW-25	pН	Field analysis	Biannual	6.8	6.65	pH	W0151-01 EPA	6 <ph<9< td=""><td>No</td></ph<9<>	No
17/09/13								Trigger Level		
25/03/13	MW-25	Temperature	Field analysis	Biannual	11.1	8.35	оС	W0151-01 EPA	N/A	No
17/09/13							_	Trigger Level		
25/03/13	MW-25	Alkalinity,	Lab analysis	Biannual	342	342	mg/l	W0151-01 EPA	N/A	No
17/09/13		Total			0.040	0.010	"	Trigger Level		
25/03/13	MW-25	Boron	Lab analysis	Biannual	0.013	0.013	mg/l	W0151-01 EPA	N/A	No
17/09/13					0.000		,,	Trigger Level	0.004	
25/03/13	MW-25	Cadmium	Lab analysis	Biannual	0.0005	0.0005	mg/l	W0151-01 EPA	0.004	No
17/09/13 25/03/13	MW-25	Calairra	Lab analusia	Diagonal	135.4	125.4	/1	Trigger Level	N1/A	N-
	IVIVV-25	Calcium	Lab analysis	Biannual	135.4	135.4	mg/l	W0151-01 EPA	N/A	No
17/09/13 25/03/13	MW-25	Chromium,	Lab analysis	Biannual	0.0015	0.0015	mg/l	Trigger Level W0151-01 EPA	N/A	No
17/09/13	10100-23	Total	Lab allalysis	Diaminuai	0.0013	0.0013	IIIg/I	Trigger Level	N/A	INU
25/03/13	MW-25	Coliforms,	Lab analysis	Biannual	10	10	cfus/100ml	W0151-01 EPA	N/A	No
17/09/13	WW-25	Faecal	Lab allalysis	Diamilia	10	10	Clus/ 100iiii	Trigger Level	N/A	140
25/03/13	MW-25	Coliforms,	Lab analysis	Biannual	20	20	cfus/100ml	W0151-01 EPA	N/A	No
17/09/13		Total					0.00, 200	Trigger Level	,	
25/03/13	MW-25	Copper	Lab analysis	Biannual	0.007	0.007	mg/l	W0151-01 EPA	0.5	No
17/09/13			,				G,	Trigger Level		
25/03/13	MW-25	Cyanide	Lab analysis	Biannual	0.01	0.01	mg/l	W0151-01 EPA	N/A	No
17/09/13		-						Trigger Level		
25/03/13	MW-25	Fluoride	Lab analysis	Biannual	0.3	0.3	mg/l	W0151-01 EPA	N/A	No
17/09/13								Trigger Level		
25/03/13	MW-25	Iron	Lab analysis	Biannual	0.02	0.02	mg/l	W0151-01 EPA	N/A	No
17/09/13								Trigger Level		
25/03/13	MW-25	Lead	Lab analysis	Biannual	0.005	0.005	mg/l	W0151-01 EPA	N/A	No
17/09/13		144	Labora 1 1	D': 1	10.0	10.0		Trigger Level	N/:	
25/03/13	MW-25	Magnesium	Lab analysis	Biannual	13.2	13.2	mg/l	W0151-01 EPA	N/A	No
17/09/13	NAVA 25	Managari	Lab analysis	Diagram	0.002	0.003	/I	Trigger Level	N1/A	No
25/03/13	MW-25	Manganese	Lab analysis	Biannual	0.002	0.002	mg/l	W0151-01 EPA	N/A	NO
17/09/13 25/03/13	MW-25	Mercury	Lab analysis	Biannual	0.001	0.001	mg/l	Trigger Level W0151-01 EPA	N/A	No
25/03/13 17/09/13	19190-23	iviercury	Lau andiysis	Diailliudi	0.001	0.001	IIIg/I	Trigger Level	IN/A	INU
25/03/13	MW-25	Nickel	Lab analysis	Biannual	0.002	0.002	mg/l	W0151-01 EPA	N/A	No
17/09/13	14144 23	HICKEI	230 011019313	Diaminadi	0.002	0.002	1116/1	Trigger Level	13/73	110
25/03/13	MW-25	Orthophospha	Lab analysis	Biannual	0.06	0.06	mg/l	W0151-01 EPA	N/A	No
17/09/13		tes			0.00	0.00		Trigger Level	,	
25/03/13	MW-25	Phosphorous,	Lab analysis	Biannual	0.124	0.124	mg/l	W0151-01 EPA	N/A	No
17/09/13	_	Total	, . ,		-	-	G,	Trigger Level	<i>'</i>	
25/03/13	MW-25	Potassium	Lab analysis	Biannual	3.3	3.3	mg/l	W0151-01 EPA	N/A	No
17/09/13							-	Trigger Level		
25/03/13	MW-25	Residue on	Lab analysis	Biannual	517	517	mg/l	W0151-01 EPA	N/A	No
17/09/13		Evaporation	·				-	Trigger Level		
25/03/13	MW-25	Sodium	Lab analysis	Biannual	19.9	19.9	mg/l	W0151-01 EPA	80	No
17/09/13		1						Trigger Level		

25/03/13										
17/09/13	MW-25	Total Oxidized Nitrogen	Lab analysis	Biannual	5.3	5.3	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-25	Zinc	Lab analysis	Biannual	0.003	0.003	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	TW-2	Ammoniacal Nitrogen	Lab analysis	Biannual	3.7	3.455	mg/l NH4-N	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	TW-2	Chloride	Lab analysis	Biannual	25.3	24.8	mg/l	W0151-01 EPA Trigger Level	70	No
25/03/13 17/09/13	TW-2	Phenols, Total	Lab analysis	Biannual	0.1	0.1	mg/l	W0151-01 EPA Trigger Level	0.1	No
25/03/13 17/09/13	TW-2	Sulphate	Lab analysis	Biannual	0.48	0.41	mg/l	W0151-01 EPA Trigger Level	140	No
25/03/13 17/09/13	TW-2	Total Organic Carbon	Lab analysis	Biannual	2	2	mg/l	W0151-01 EPA Trigger Level	50	No
25/03/13 17/09/13	TW-2	Colour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	TW-2	Conductivity	Field analysis	Biannual	0.29	0.29	mS/cm	W0151-01 EPA Trigger Level	1	No
25/03/13 17/09/13	TW-2	Dissolved Oxygen	Field analysis	Biannual	3.22	2.005	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	TW-2	Level, Water	Field analysis	Biannual	14.09	13.47	mOD	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	TW-2	Odour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	TW-2	рН	Field analysis	Biannual	9.2	8.1	рН	W0151-01 EPA Trigger Level	6 <ph<9< td=""><td>No</td></ph<9<>	No
25/03/13 17/09/13	TW-2	Temperature	Field analysis	Biannual	10.9	9.15	оС	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	TW-2	Boron	Lab analysis	Biannual	0.023	0.023	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	TW-2	Cadmium	Lab analysis	Biannual	0.0005	0.0005	mg/l	W0151-01 EPA Trigger Level	0.004	No
25/03/13 17/09/13	TW-2	Calcium	Lab analysis	Biannual	4.2	4.2	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	TW-2	Chromium, Total	Lab analysis	Biannual	0.0015	0.0015	mg/l cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13 25/03/13	TW-2	Coliforms, Faecal Coliforms,	Lab analysis  Lab analysis	Biannual	20	20	cfus/100ml	W0151-01 EPA Trigger Level W0151-01 EPA	N/A N/A	No No
17/09/13 25/03/13	TW-2	Total Copper	Lab analysis	Biannual	0.007	0.007	mg/l	Trigger Level W0151-01 EPA	0.5	No
17/09/13 25/03/13	TW-2	Cyanide	Lab analysis	Biannual	0.01	0.007	mg/l	Trigger Level W0151-01 EPA	N/A	No
17/09/13 25/03/13	TW-2	Fluoride	Lab analysis	Biannual	0.3	0.3	mg/l	Trigger Level W0151-01 EPA	N/A	No
17/09/13 25/03/13	TW-2	Iron	Lab analysis	Biannual	0.02	0.02	mg/l	Trigger Level W0151-01 EPA	N/A	No
17/09/13 25/03/13	TW-2	Lead	Lab analysis	Biannual	0.005	0.005	mg/l	Trigger Level W0151-01 EPA	N/A	No
17/09/13 25/03/13	TW-2	Magnesium	Lab analysis	Biannual	11	11	mg/l	Trigger Level W0151-01 EPA	N/A	No
17/09/13 25/03/13	TW-2	Manganese	Lab analysis	Biannual	0.018	0.018	mg/l	Trigger Level W0151-01 EPA	N/A	No
17/09/13 25/03/13	TW-2	Mercury	Lab analysis	Biannual	0.001	0.001	mg/l	Trigger Level W0151-01 EPA	N/A	No
17/09/13 25/03/13	TW-2	Nickel	Lab analysis	Biannual	0.002	0.002	mg/l	Trigger Level W0151-01 EPA	N/A	No

Groundy	water/Soil m	nonitoring te	mplate		Lic No:	W0151-01		Year	2013	
25/03/13	TW-2	Orthophospha	Lab analysis	Biannual	0.06	0.06	mg/l	W0151-01 EPA	N/A	No
17/09/13		tes						Trigger Level		
25/03/13	TW-2	Potassium	Lab analysis	Biannual	4.4	4.4	mg/l	W0151-01 EPA	N/A	No
17/09/13								Trigger Level		
25/03/13	TW-2	Residue on	Lab analysis	Biannual	148	148	mg/l	W0151-01 EPA	N/A	No
17/09/13		Evaporation						Trigger Level		
25/03/13	TW-2	Sodium	Lab analysis	Biannual	32.9	32.9	mg/l	W0151-01 EPA	80	No
17/09/13								Trigger Level		
25/03/13	TW-2	Alkalinity,	Lab analysis	Biannual	116	116	mg/l	W0151-01 EPA	N/A	No
17/09/13		Total						Trigger Level		
25/03/13	TW-2	Total Oxidized	Lab analysis	Biannual	0.2	0.2	mg/l	W0151-01 EPA	N/A	No
17/09/13		Nitrogen						Trigger Level		
25/03/13	TW-2	Phosphorous,	Lab analysis	Biannual	0.009	0.009	mg/l	W0151-01 EPA	N/A	No
17/09/13		Total						Trigger Level		
25/03/13	TW-2	Zinc	Lab analysis	Biannual	0.003	0.003	mg/l	W0151-01 EPA	N/A	No
17/09/13								Trigger Level		
							SELECT			SELECT

<sup>.+</sup> where average indicates arithmetic mean

Table 2: Downgradient Groundwater monitoring results

Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration	Average Concentration	unit	GTV's*	SELECT**	Upward trend in yearly average pollutant concentration over last 5 years of monitoring data
25/03/13 27/06/13 17/09/13 03/10/13	MW-1	Ammoniacal Nitrogen	Lab analysis	Quarterly	0.06	0.0375	mg/l NH4-N	W0151-01 EPA Trigger Level	N/A	No
25/03/13 27/06/13 17/09/13 03/10/13	MW-1	Chloride	Lab analysis	Quarterly	12.4	10.65	mg/l	W0151-01 EPA Trigger Level	70	No
25/03/13 27/06/13 17/09/13 03/10/13	MW-1	Phenols, Total	Lab analysis	Quarterly	0.1	0.1	mg/l	W0151-01 EPA Trigger Level	0.1	No
25/03/13 27/06/13 17/09/13 03/10/13	MW-1	Sulphate	Lab analysis	Quarterly	1.9	0.9775	mg/l	W0151-01 EPA Trigger Level	140	No
25/03/13 27/06/13 17/09/13 03/10/13	MW-1	Total Organic Carbon	Lab analysis	Quarterly	3	2.5	mg/l	W0151-01 EPA Trigger Level	50	No
25/03/13 27/06/13 17/09/13 03/10/13	MW-1	Colour	Field analysis	Quarterly	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No
25/03/13 27/06/13 17/09/13 03/10/13	MW-1	Conductivity	Field analysis	Quarterly	0.69	0.5615	mS/cm	W0151-01 EPA Trigger Level	1	No

<sup>.++</sup> maximum concentration indicates the maximum measured concentration from all monitoring results produced during the reporting year

Ground	water/Soil m	nonitoring te	mplate		Lic No:	W0151-01		Year	2013		
25/03/13 27/06/13 17/09/13 03/10/13	MW-1	Dissolved Oxygen	Field analysis	Quarterly	4.9	2.965	mg/l	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 27/06/13 17/09/13 03/10/13	MW-1	Level, Water	Field analysis	Quarterly	14.77	14.74	mOD	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 27/06/13 17/09/13 03/10/13	MW-1	Odour	Field analysis	Quarterly	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 27/06/13 17/09/13 03/10/13	MW-1	рН	Field analysis	Quarterly	8.3	7.475	рН	W0151-01 EPA Trigger Level	6 <ph<9< td=""><td>No</td><td></td></ph<9<>	No	
25/03/13 27/06/13 17/09/13 03/10/13	MW-1	Temperature	Field analysis	Quarterly	13.1	11.675	оС	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 27/06/13 17/09/13 03/10/13	MW-1	Alkalinity, Total	Lab analysis	Quarterly	350	350	mg/l	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 27/06/13 17/09/13 03/10/13	MW-1	Boron	Lab analysis	Quarterly	0.012	0.012	mg/l	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 27/06/13 17/09/13 03/10/13	MW-1	Cadmium	Lab analysis	Quarterly	0.0005	0.0005	mg/l	W0151-01 EPA Trigger Level	0.004	No	
25/03/13 27/06/13 17/09/13 03/10/13	MW-1	Calcium	Lab analysis	Quarterly	42.3	42.3	mg/l	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 27/06/13 17/09/13 03/10/13	MW-1	Chromium, Total	Lab analysis	Quarterly	0.0015	0.0015	mg/l	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 27/06/13 17/09/13 03/10/13	MW-1	Coliforms, Faecal	Lab analysis	Quarterly	10	10	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 27/06/13 17/09/13 03/10/13	MW-1	Coliforms, Total	Lab analysis	Quarterly	20	20	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 27/06/13 17/09/13 03/10/13	MW-1	Copper	Lab analysis	Quarterly	0.007	0.007	mg/l	W0151-01 EPA Trigger Level	0.5	No	
25/03/13 27/06/13 17/09/13 03/10/13	MW-1	Cyanide	Lab analysis	Quarterly	0.01	0.01	mg/l	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 27/06/13 17/09/13 03/10/13	MW-1	Fluoride	Lab analysis	Quarterly	0.3	0.3	mg/l	W0151-01 EPA Trigger Level	N/A	No	

Ground	water/Soil m	onitoring te	mplate		Lic No:	W0151-01		Year	2013		
25/03/13		.ormornig te	piate		LICIVO.	1,0131.01		real	2013		
27/06/13 17/09/13 03/10/13	MW-1	Iron	Lab analysis	Quarterly	0.02	0.02	mg/l	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 27/06/13 17/09/13 03/10/13	MW-1	Lead	Lab analysis	Quarterly	0.05	0.05	mg/l	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 27/06/13 17/09/13 03/10/13	MW-1	Magnesium	Lab analysis	Quarterly	38.2	38.2	mg/l	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 27/06/13 17/09/13 03/10/13	MW-1	Manganese	Lab analysis	Quarterly	0.055	0.055	mg/l	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 27/06/13 17/09/13 03/10/13	MW-1	Mercury	Lab analysis	Quarterly	0.001	0.001	mg/l	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 27/06/13 17/09/13 03/10/13	MW-1	Nickel	Lab analysis	Quarterly	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 27/06/13 17/09/13	MW-1	Orthophospha tes	Lab analysis	Quarterly	0.06	0.06	mg/l	W0151-01 EPA Trigger Level	N/A	No	
03/10/13 25/03/13 27/06/13 17/09/13 03/10/13	MW-1	Phosphorous, Total	Lab analysis	Quarterly	0.011	0.011	mg/l	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 27/06/13 17/09/13 03/10/13	MW-1	Potassium	Lab analysis	Quarterly	3.4	3.4	mg/l	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 27/06/13 17/09/13 03/10/13	MW-1	Residue on Evaporation	Lab analysis	Quarterly	362	362	mg/l	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 27/06/13 17/09/13 03/10/13	MW-1	Sodium	Lab analysis	Quarterly	41.3	41.3	mg/l	W0151-01 EPA Trigger Level	80	No	
25/03/13 27/06/13 17/09/13 03/10/13	MW-1	Total Oxidized Nitrogen	Lab analysis	Quarterly	0.6	0.6	mg/l	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 27/06/13 17/09/13 03/10/13	MW-1	Zinc	Lab analysis	Quarterly	0.006	0.006	mg/l	W0151-01 EPA Trigger Level	N/A	No	
					0	#DIV/0!					
25/03/13 17/09/13	MW-2	Ammoniacal Nitrogen	Lab analysis	Biannual	0.09	0.06	mg/l NH4-N	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 17/09/13	MW-2	Chloride	Lab analysis	Biannual	22.9	22.65	mg/l	W0151-01 EPA Trigger Level	70	No	
25/03/13 17/09/13	MW-2	Phenols, Total	Lab analysis	Biannual	0.1	0.1	mg/l	W0151-01 EPA Trigger Level	0.1	No	

Groundw	ater/Soil m	nonitoring te	mplate		Lic No:	W0151-01		Year	2013	
25/03/13 17/09/13	MW-2	Sulphate	Lab analysis	Biannual	25.56	21.915	mg/l	W0151-01 EPA Trigger Level	140	No
25/03/13 17/09/13	MW-2	Total Organic Carbon	Lab analysis	Biannual	3	2.5	mg/l	W0151-01 EPA Trigger Level	50	No
25/03/13 17/09/13	MW-2	Colour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-2	Conductivity	Field analysis	Biannual	0.23	0.2	mS/cm	W0151-01 EPA Trigger Level	1	No
25/03/13 17/09/13	MW-2	Dissolved Oxygen	Field analysis	Biannual	4.06	2.23	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-2	Level, Water	Field analysis	Biannual	12.85	12.19	mOD	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-2	Odour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-2	рН	Field analysis	Biannual	7.9	7.4	рН	W0151-01 EPA Trigger Level	6 <ph<9< td=""><td>No</td></ph<9<>	No
25/03/13 17/09/13	MW-2	Temperature	Field analysis	Biannual	11.7	9.95	оС	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-2	Alkalinity, Total	Lab analysis	Biannual	80	80	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-2	Boron	Lab analysis	Biannual	0.012	0.012	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-2	Cadmium	Lab analysis	Biannual	0.0005	0.0005	mg/l	W0151-01 EPA Trigger Level	0.004	No
25/03/13 17/09/13	MW-2	Calcium	Lab analysis	Biannual	29.7	29.7	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-2	Chromium, Total	Lab analysis	Biannual	0.0015	0.0015	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-2	Coliforms, Faecal	Lab analysis	Biannual	10	10	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-2	Coliforms, Total	Lab analysis	Biannual	20	20	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-2	Copper	Lab analysis	Biannual	0.007	0.007	mg/l	W0151-01 EPA Trigger Level	0.5	No
25/03/13 17/09/13	MW-2	Cyanide	Lab analysis	Biannual	0.01	0.01	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-2	Fluoride	Lab analysis	Biannual	0.3	0.3	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-2	Iron	Lab analysis	Biannual	0.027	0.027	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-2	Lead	Lab analysis	Biannual	0.005	0.005	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-2	Magnesium	Lab analysis	Biannual	3.4	3.4	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-2	Manganese	Lab analysis	Biannual	0.173	0.173	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-2	Mercury	Lab analysis	Biannual	0.001	0.001	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-2	Nickel	Lab analysis	Biannual	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-2	Orthophospha tes	Lab analysis	Biannual	0.06	0.06	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-2	Phosphorous, Total	Lab analysis	Biannual	0.125	0.125	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-2	Potassium	Lab analysis	Biannual	2	2	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-2	Residue on Evaporation	Lab analysis	Biannual	376	376	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13	MW-2	Sodium	Lab analysis	Biannual	14.2	14.2	mg/l	W0151-01 EPA Trigger Level	80	No

Groundy	water/Soil n	nonitoring te	mplate		Lic No:	W0151-01		Year	2013	
25/03/13 17/09/13	MW-2	Total Oxidized Nitrogen	Lab analysis	Biannual	0.2	0.2	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-2	Zinc	Lab analysis	Biannual	0.007	0.007	mg/l	W0151-01 EPA Trigger Level	N/A	No
					0	#DIV/0!				
25/03/13 17/09/13	MW-3	Ammoniacal Nitrogen	Lab analysis	Biannual	0.07	0.07	mg/l NH4-N	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-3	Chloride	Lab analysis	Biannual	28.2	28.2	mg/l	W0151-01 EPA Trigger Level	70	No
25/03/13 17/09/13	MW-3	Phenols, Total	Lab analysis	Biannual	0.1	0.1	mg/l	W0151-01 EPA Trigger Level	0.1	No
25/03/13 17/09/13	MW-3	Sulphate	Lab analysis	Biannual	22.42	22.42	mg/l	W0151-01 EPA Trigger Level	140	No
25/03/13 17/09/13	MW-3	Total Organic Carbon	Lab analysis	Biannual	3	3	mg/l	W0151-01 EPA Trigger Level	50	No
25/03/13 17/09/13	MW-3	Colour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-3	Conductivity	Field analysis	Biannual	0.53	0.53	mS/cm	W0151-01 EPA Trigger Level	1	No
25/03/13 17/09/13	MW-3	Dissolved Oxygen	Field analysis	Biannual	1.4	1.4	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-3	Level, Water	Field analysis	Biannual	11.21	11.21	mOD	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-3	Odour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-3	рН	Field analysis	Biannual	7.3	7.3	рН	W0151-01 EPA Trigger Level	6 <ph<9< td=""><td>No</td></ph<9<>	No
25/03/13 17/09/13	MW-3	Temperature	Field analysis	Biannual	10.8	10.8	оС	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-3	Alkalinity, Total	Lab analysis	Biannual	222	222	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-3	Boron	Lab analysis	Biannual	0.013	0.013	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-3	Cadmium	Lab analysis	Biannual	0.0005	0.0005	mg/l	W0151-01 EPA Trigger Level	0.004	No
25/03/13 17/09/13	MW-3	Calcium	Lab analysis	Biannual	88.8	88.8	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-3	Chromium, Total	Lab analysis	Biannual	0.0015	0.0015	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-3	Coliforms, Faecal	Lab analysis	Biannual	10	10	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-3	Coliforms, Total	Lab analysis	Biannual	20	20	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-3	Copper	Lab analysis	Biannual	0.007	0.007	mg/l	W0151-01 EPA Trigger Level	0.5	No
25/03/13 17/09/13	MW-3	Cyanide	Lab analysis	Biannual	0.01	0.01	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-3	Fluoride	Lab analysis	Biannual	0.3	0.3	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-3	Iron	Lab analysis	Biannual	0.059	0.059	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-3	Lead	Lab analysis	Biannual	0.005	0.005	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-3	Magnesium	Lab analysis	Biannual	5.8	5.8	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-3	Manganese	Lab analysis	Biannual	0.134	0.134	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-3	Mercury	Lab analysis	Biannual	0.001	0.001	mg/l	W0151-01 EPA Trigger Level	N/A	No

Groundw	ater/Soil m	nonitoring te	mplate		Lic No:	W0151-01		Year	2013	
25/03/13 17/09/13	MW-3	Nickel	Lab analysis	Biannual	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-3	Orthophospha tes	Lab analysis	Biannual	0.06	0.06	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-3	Phosphorous, Total	Lab analysis	Biannual	0.181	0.181	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-3	Potassium	Lab analysis	Biannual	3.1	3.1	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-3	Residue on Evaporation	Lab analysis	Biannual	328	328	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-3	Sodium	Lab analysis	Biannual	12.9	12.9	mg/l	W0151-01 EPA Trigger Level	80	No
25/03/13 17/09/13	MW-3	Total Oxidized Nitrogen	Lab analysis	Biannual	0.8	0.8	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-3	Zinc	Lab analysis	Biannual	0.003	0.003	mg/l	W0151-01 EPA Trigger Level	N/A	No
					0	#DIV/0!				
25/03/13 17/09/13 03/10/13 (EPA)	MW-4	Ammoniacal Nitrogen	Lab analysis	Biannual	0.69	0.65	mg/l NH4-N	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13 03/10/13 (EPA)	MW-4	Chloride	Lab analysis	Biannual	38.6	37.55	mg/l	W0151-01 EPA Trigger Level	70	No
25/03/13 17/09/13 03/10/13 (EPA)	MW-4	Phenols, Total	Lab analysis	Biannual	0.1	0.1	mg/l	W0151-01 EPA Trigger Level	0.1	No
25/03/13 17/09/13 03/10/13 (EPA) 25/03/13	MW-4	Sulphate	Lab analysis	Biannual	72.4	47.125	mg/l	W0151-01 EPA Trigger Level	140	No
17/09/13 03/10/13 (EPA)	MW-4	Total Organic Carbon	Lab analysis	Biannual	2	2	mg/l	W0151-01 EPA Trigger Level	50	No
5/03/13 7/09/13 3/10/13 (EPA)	MW-4	Colour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No
25/03/13 .7/09/13 .3/10/13 (EPA)	MW-4	Conductivity	Field analysis	Biannual	0.904	0.702	mS/cm	W0151-01 EPA Trigger Level	1	No
25/03/13 17/09/13 03/10/13 (EPA)	MW-4	Dissolved Oxygen	Field analysis	Biannual	#VALUE!	#VALUE!	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13 03/10/13 (EPA)	MW-4	Level, Water	Field analysis	Biannual	11.2	11.2	mOD	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13 03/10/13 (EPA)	MW-4	Odour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No

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	rater/Soil m	nonitoring te	mplate		Lic No:	W0151-01		Year	2013		
25/03/13 17/09/13 03/10/13 (EPA)	MW-4	рН	Field analysis	Biannual	7.1	7.05	рН	W0151-01 EPA Trigger Level	6 <ph<9< td=""><td>No</td><td></td></ph<9<>	No	
25/03/13 17/09/13 03/10/13 (EPA) 25/03/13	MW-4	Temperature	Field analysis	Biannual	19.1	14.95	oC	W0151-01 EPA Trigger Level	N/A	No	
17/09/13 03/10/13 (EPA)	MW-4	Alkalinity, Total	Lab analysis	Biannual	202	202	mg/l	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 17/09/13 03/10/13 (EPA)	MW-4	Boron	Lab analysis	Biannual	0.06	0.0515	mg/l	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 17/09/13 03/10/13 (EPA)	MW-4	Cadmium	Lab analysis	Biannual	0.0005	0.0003	mg/l	W0151-01 EPA Trigger Level	0.004	No	
(EPA) 25/03/13 17/09/13 03/10/13 (EPA) 25/03/13	MW-4	Calcium	Lab analysis	Biannual	98.8	78.2	mg/l	W0151-01 EPA Trigger Level	N/A	No	
17/09/13 03/10/13 (FPA)	MW-4	Chromium, Total	Lab analysis	Biannual	0.005	0.00325	mg/l	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 17/09/13 03/10/13 (EPA)	MW-4	Coliforms, Faecal	Lab analysis	Biannual	10	10	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No	
(EPA) 25/03/13 17/09/13 03/10/13 (EPA)	MW-4	Coliforms, Total	Lab analysis	Biannual	20	20	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No	
(EPA) 25/03/13 17/09/13 03/10/13 (EPA)	MW-4	Copper	Lab analysis	Biannual	0.007	0.00375	mg/l	W0151-01 EPA Trigger Level	0.5	No	
(EPA) 25/03/13 17/09/13 03/10/13 (EPA)	MW-4	Cyanide	Lab analysis	Biannual	0.01	0.01	mg/l	W0151-01 EPA Trigger Level	N/A	No	
(EPA) 25/03/13 17/09/13 03/10/13 (EPA)	MW-4	Fluoride	Lab analysis	Biannual	0.3	0.3	mg/l	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 17/09/13 03/10/13 (EPA)	MW-4	Iron	Lab analysis	Biannual	5.68	2.85	mg/l	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 17/09/13 03/10/13 (EPA)	MW-4	Lead	Lab analysis	Biannual	0.005	0.00275	mg/l	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 17/09/13 03/10/13 (EPA)	MW-4	Magnesium	Lab analysis	Biannual	14.4	13	mg/l	W0151-01 EPA Trigger Level	N/A	No	

_	ater/Soil n	nonitoring te	mplate		Lic No:	W0151-01		Year	2013	
25/03/13 17/09/13 03/10/13 (EPA)	MW-4	Manganese	Lab analysis	Biannual	0.621	0.452	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13 03/10/13 (EPA)	MW-4	Mercury	Lab analysis	Biannual	0.001	0.000525	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13 03/10/13 (EPA)	MW-4	Nickel	Lab analysis	Biannual	0.004	0.003	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13 03/10/13 (EPA)	MW-4	Orthophospha tes	Lab analysis	Biannual	0.06	0.0325	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13 03/10/13 (EPA)	MW-4	Phosphorous, Total	Lab analysis	Biannual	0.017	0.017	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13 03/10/13 (EPA)	MW-4	Potassium	Lab analysis	Biannual	6.43	6.115	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13 03/10/13 (EPA)	MW-4	Residue on Evaporation	Lab analysis	Biannual	324	324	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13 03/10/13	MW-4	Sodium	Lab analysis	Biannual	26.1	26.05	mg/l	W0151-01 EPA Trigger Level	80	No
(EPA) 25/03/13 17/09/13 03/10/13 (EPA)	MW-4	Total Oxidized Nitrogen	Lab analysis	Biannual	0.3	0.25	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13 03/10/13 (EPA)	MW-4	Zinc	Lab analysis	Biannual	0.003	0.0025	mg/l	W0151-01 EPA Trigger Level	N/A	No
					0	#DIV/0!				
25/03/13 17/09/13	MW-5	Ammoniacal Nitrogen	Lab analysis	Biannual	0.03	0.03	mg/I NH4-N	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-5	Chloride	Lab analysis	Biannual	31.8	29.55	mg/l	W0151-01 EPA Trigger Level	70	No
25/03/13 17/09/13	MW-5	Phenols, Total	Lab analysis	Biannual	0.1	0.1	mg/l	W0151-01 EPA Trigger Level	0.1	No
25/03/13 17/09/13	MW-5	Sulphate	Lab analysis	Biannual	34.58	23.68	mg/l	W0151-01 EPA Trigger Level	140	No
25/03/13 17/09/13	MW-5	Total Organic Carbon	Lab analysis	Biannual	3	2.5	mg/l	W0151-01 EPA Trigger Level	50	No
25/03/13 17/09/13	MW-5	Colour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-5	Conductivity	Field analysis	Biannual	0.45	0.41	mS/cm	W0151-01 EPA Trigger Level	1	No
25/03/13 17/09/13	MW-5	Dissolved Oxygen	Field analysis	Biannual	8.75	5.11	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-5	Level, Water	Field analysis	Biannual	12.81	12.04	mOD	W0151-01 EPA Trigger Level	N/A	No

Groundw	ater/Soil n	nonitoring te	mplate		Lic No:	W0151-01		Year	2013	
25/03/13 17/09/13	MW-5	Odour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-5	рН	Field analysis	Biannual	7.6	7.5	рН	W0151-01 EPA Trigger Level	6 <ph<9< td=""><td>No</td></ph<9<>	No
25/03/13 17/09/13	MW-5	Temperature	Field analysis	Biannual	11.2	8.05	оС	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-5	Alkalinity, Total	Lab analysis	Biannual	158	158	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-5	Boron	Lab analysis	Biannual	0.014	0.014	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-5	Cadmium	Lab analysis	Biannual	0.0005	0.0005	mg/l	W0151-01 EPA Trigger Level	0.004	No
25/03/13 17/09/13	MW-5	Calcium	Lab analysis	Biannual	61.2	61.2	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-5	Chromium, Total	Lab analysis	Biannual	0.0015	0.0015	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-5	Coliforms, Faecal	Lab analysis	Biannual	10	10	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-5	Coliforms,	Lab analysis	Biannual	20	20	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-5	Copper	Lab analysis	Biannual	0.007	0.007	mg/l	W0151-01 EPA Trigger Level	0.5	No
25/03/13 17/09/13	MW-5	Cyanide	Lab analysis	Biannual	0.01	0.01	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-5	Fluoride	Lab analysis	Biannual	0.3	0.3	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-5	Iron	Lab analysis	Biannual	0.02	0.02	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-5	Lead	Lab analysis	Biannual	0.005	0.005	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-5	Magnesium	Lab analysis	Biannual	5.2	5.2	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-5	Manganese	Lab analysis	Biannual	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-5	Mercury	Lab analysis	Biannual	0.001	0.001	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-5	Nickel	Lab analysis	Biannual	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-5	Orthophospha tes	Lab analysis	Biannual	0.15	0.15	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-5	Phosphorous, Total	Lab analysis	Biannual	0.138	0.138	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-5	Potassium	Lab analysis	Biannual	11.2	11.2	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-5	Residue on Evaporation	Lab analysis	Biannual	262	262	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-5	Sodium	Lab analysis	Biannual	18.6	18.6	mg/l	W0151-01 EPA Trigger Level	80	No
25/03/13 17/09/13	MW-5	Total Oxidized Nitrogen	Lab analysis	Biannual	1.4	1.4	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-5	Zinc	Lab analysis	Biannual	0.007	0.007	mg/l	W0151-01 EPA Trigger Level	N/A	No
					0	#DIV/0!				
25/03/13 17/09/13	MW-6	Ammoniacal Nitrogen	Lab analysis	Biannual	0.03	0.03	mg/l NH4-N	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-6	Chloride	Lab analysis	Biannual	27.5	27.05	mg/l	W0151-01 EPA Trigger Level	70	No
25/03/13 17/09/13	MW-6	Phenols, Total	Lab analysis	Biannual	0.1	0.1	mg/l	W0151-01 EPA Trigger Level	0.1	No

Groundw	ater/Soil m	nonitoring te	mplate		Lic No:	W0151-01		Year	2013	
25/03/13 17/09/13	MW-6	Sulphate	Lab analysis	Biannual	13.57	12.925	mg/l	W0151-01 EPA Trigger Level	140	No
25/03/13 17/09/13	MW-6	Total Organic Carbon	Lab analysis	Biannual	6	5	mg/l	W0151-01 EPA Trigger Level	50	No
25/03/13 17/09/13	MW-6	Colour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-6	Conductivity	Field analysis	Biannual	0.36	0.355	mS/cm	W0151-01 EPA Trigger Level	1	No
25/03/13 17/09/13	MW-6	Dissolved Oxygen	Field analysis	Biannual	8.39	4.935	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-6	Level, Water	Field analysis	Biannual	12.98	12.125	mOD	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-6	Odour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-6	рН	Field analysis	Biannual	7.5	7.4	рН	W0151-01 EPA Trigger Level	6 <ph<9< td=""><td>No</td></ph<9<>	No
25/03/13 17/09/13	MW-6	Temperature	Field analysis	Biannual	10.8	8.3	оС	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-6	Alkalinity, Total	Lab analysis	Biannual	126	126	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-6	Boron	Lab analysis	Biannual	0.012	0.012	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-6	Cadmium	Lab analysis	Biannual	0.0005	0.0005	mg/l	W0151-01 EPA Trigger Level	0.004	No
25/03/13 17/09/13	MW-6	Calcium	Lab analysis	Biannual	47.6	47.6	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-6	Chromium, Total	Lab analysis	Biannual	0.0015	0.0015	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-6	Coliforms, Faecal	Lab analysis	Biannual	10	10	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-6	Coliforms, Total	Lab analysis	Biannual	20	20	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-6	Copper	Lab analysis	Biannual	0.007	0.007	mg/l	W0151-01 EPA Trigger Level	0.5	No
25/03/13 17/09/13	MW-6	Cyanide	Lab analysis	Biannual	0.01	0.01	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-6	Fluoride	Lab analysis	Biannual	0.3	0.3	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-6	Iron	Lab analysis	Biannual	0.02	0.02	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-6	Lead	Lab analysis	Biannual	0.005	0.005	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-6	Magnesium	Lab analysis	Biannual	2.8	2.8	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-6	Manganese	Lab analysis	Biannual	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-6	Mercury	Lab analysis	Biannual	0.001	0.001	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-6	Nickel	Lab analysis	Biannual	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-6	Orthophospha tes	Lab analysis	Biannual	0.27	0.27	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-6	Phosphorous, Total	Lab analysis	Biannual	0.154	0.154	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-6	Potassium	Lab analysis	Biannual	8.2	8.2	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-6	Residue on Evaporation	Lab analysis	Biannual	178	178	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-6	Sodium	Lab analysis	Biannual	13.5	13.5	mg/l	W0151-01 EPA Trigger Level	80	No

Groundw	ater/Soil n	nonitoring te	mplate		Lic No:	W0151-01		Year	2013	
25/03/13 17/09/13	MW-6	Total Oxidized Nitrogen	Lab analysis	Biannual	0.7	0.7	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-6	Zinc	Lab analysis	Biannual	0.003	0.003	mg/l	W0151-01 EPA Trigger Level	N/A	No
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25/03/13 17/09/13	MW-14	Ammoniacal Nitrogen	Lab analysis	Biannual	0.05	0.04	mg/l NH4-N	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-14	Chloride	Lab analysis	Biannual	50.1	46.9	mg/l	W0151-01 EPA Trigger Level	70	No
25/03/13 17/09/13	MW-14	Phenols, Total	Lab analysis	Biannual	0.1	0.1	mg/l	W0151-01 EPA Trigger Level	0.1	No
25/03/13 17/09/13	MW-14	Sulphate	Lab analysis	Biannual	0.47	0.3	mg/l	W0151-01 EPA Trigger Level	140	No
25/03/13 17/09/13	MW-14	Total Organic Carbon	Lab analysis	Biannual	4	4	mg/l	W0151-01 EPA Trigger Level	50	No
25/03/13 17/09/13	MW-14	Colour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-14	Conductivity	Field analysis	Biannual	0.24	0.24	mS/cm	W0151-01 EPA Trigger Level	1	No
25/03/13 17/09/13	MW-14	Dissolved Oxygen	Field analysis	Biannual	3.69	2.085	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-14	Level, Water	Field analysis	Biannual	13.09	12.07	mOD	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-14	Odour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-14	рН	Field analysis	Biannual	7.4	7.05	рН	W0151-01 EPA Trigger Level	6 <ph<9< td=""><td>No</td></ph<9<>	No
25/03/13 17/09/13	MW-14	Temperature	Field analysis	Biannual	10.8	10.2	оС	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-14	Alkalinity, Total	Lab analysis	Biannual	48	48	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-14	Boron	Lab analysis	Biannual	0.12	0.12	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-14	Cadmium	Lab analysis	Biannual	0.0005	0.0005	mg/l	W0151-01 EPA Trigger Level	0.004	No
25/03/13 17/09/13	MW-14	Calcium	Lab analysis	Biannual	8.8	8.8	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-14	Chromium, Total	Lab analysis	Biannual	0.0015	0.0015	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-14	Coliforms, Faecal	Lab analysis	Biannual	10	10	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-14	Coliforms, Total	Lab analysis	Biannual	20	20	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-14	Copper	Lab analysis	Biannual	0.007	0.007	mg/l	W0151-01 EPA Trigger Level	0.5	No
25/03/13 17/09/13	MW-14	Cyanide	Lab analysis	Biannual	0.01	0.01	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-14	Fluoride	Lab analysis	Biannual	1.2	1.2	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-14	Iron	Lab analysis	Biannual	0.02	0.02	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-14	Lead	Lab analysis	Biannual	0.005	0.005	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-14	Magnesium	Lab analysis	Biannual	0.2	0.2	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-14	Manganese	Lab analysis	Biannual	0.004	0.004	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-14	Mercury	Lab analysis	Biannual	0.001	0.001	mg/l	W0151-01 EPA Trigger Level	N/A	No

Groundwa	ater/Soil n	nonitoring te	mplate		Lic No:	W0151-01		Year	2013	
25/03/13 17/09/13	MW-14	Nickel	Lab analysis	Biannual	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-14	Orthophospha tes	Lab analysis	Biannual	0.06	0.06	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-14	Phosphorous, Total	Lab analysis	Biannual	0.022	0.022	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-14	Potassium	Lab analysis	Biannual	1.3	1.3	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-14	Residue on Evaporation	Lab analysis	Biannual	96	96	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-14	Sodium	Lab analysis	Biannual	33.1	33.1	mg/l	W0151-01 EPA Trigger Level	80	No
25/03/13 17/09/13	MW-14	Total Oxidized Nitrogen	Lab analysis	Biannual	0.2	0.2	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-14	Zinc	Lab analysis	Biannual	0.004	0.004	mg/l	W0151-01 EPA Trigger Level	N/A	No
					0	#DIV/0!				
25/03/13 17/09/13	MW-16	Ammoniacal Nitrogen	Lab analysis	Biannual	0.03	0.03	mg/l NH4-N	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-16	Chloride	Lab analysis	Biannual	46.8	46.2	mg/l	W0151-01 EPA Trigger Level	70	No
25/03/13 17/09/13	MW-16	Phenols, Total	Lab analysis	Biannual	0.1	0.1	mg/l	W0151-01 EPA Trigger Level	0.1	No
25/03/13 17/09/13	MW-16	Sulphate	Lab analysis	Biannual	8.28	6.85	mg/l	W0151-01 EPA Trigger Level	140	No
25/03/13 17/09/13	MW-16	Total Organic Carbon	Lab analysis	Biannual	4	3	mg/l	W0151-01 EPA Trigger Level	50	No
25/03/13 17/09/13	MW-16	Colour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-16	Conductivity	Field analysis	Biannual	0.4	0.36	mS/cm	W0151-01 EPA Trigger Level	1	No
25/03/13 17/09/13	MW-16	Dissolved Oxygen	Field analysis	Biannual	2.38	2.255	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-16	Level, Water	Field analysis	Biannual	12.42	11.49	mOD	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-16	Odour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13 25/03/13	MW-16	pH	Field analysis	Biannual	8	7.75	рН	W0151-01 EPA Trigger Level W0151-01 EPA	6 <ph<9< td=""><td>No</td></ph<9<>	No
17/09/13 25/03/13	MW-16	Temperature Alkalinity,	Field analysis	Biannual	10.8	8	оС	Trigger Level W0151-01 EPA	N/A	No
17/09/13 25/03/13	MW-16	Total	Lab analysis	Biannual	102	102	mg/l	Trigger Level W0151-01 EPA	N/A	No
17/09/13 25/03/13	MW-16	Boron	Lab analysis	Biannual	0.012	0.012	mg/l	Trigger Level W0151-01 EPA	N/A	No
17/09/13 25/03/13	MW-16	Cadmium	Lab analysis	Biannual	0.0005	0.0005	mg/l	Trigger Level W0151-01 EPA	0.004	No
17/09/13 25/03/13	MW-16	Calcium Chromium,	Lab analysis	Biannual	21.3	21.3	mg/l	Trigger Level W0151-01 EPA	N/A	No
17/09/13 25/03/13	MW-16 MW-16	Total Coliforms,	Lab analysis  Lab analysis	Biannual	0.0015	0.0015	mg/l cfus/100ml	Trigger Level W0151-01 EPA	N/A N/A	No No
17/09/13 25/03/13	MW-16	Faecal Coliforms,	Lab analysis	Biannual	20	20	cfus/100ml	Trigger Level W0151-01 EPA	N/A N/A	No
17/09/13 25/03/13	MW-16	Total Copper	Lab analysis	Biannual	0.007	0.007	mg/l	Trigger Level W0151-01 EPA	0.5	No
17/09/13 25/03/13	MINA-TO	Cyanide	Lab analysis	Biannual	0.007	0.007	mg/l	Trigger Level W0151-01 EPA	N/A	No

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25/03/13 17/09/13	MW-16	Fluoride	Lab analysis	Biannual	0.3	0.3	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-16	Iron	Lab analysis	Biannual	0.02	0.02	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-16	Lead	Lab analysis	Biannual	0.005	0.005	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-16	Magnesium	Lab analysis	Biannual	6.6	6.6	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-16	Manganese	Lab analysis	Biannual	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-16	Mercury	Lab analysis	Biannual	0.001	0.001	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-16	Nickel	Lab analysis	Biannual	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-16	Orthophospha tes	Lab analysis	Biannual	0.11	0.11	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-16	Phosphorous, Total	Lab analysis	Biannual	0.013	0.013	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-16	Potassium	Lab analysis	Biannual	2.2	2.2	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-16	Residue on Evaporation	Lab analysis	Biannual	185	185	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-16	Sodium	Lab analysis	Biannual	33.1	33.1	mg/l	W0151-01 EPA Trigger Level	80	No
25/03/13 17/09/13	MW-16	Total Oxidized Nitrogen	Lab analysis	Biannual	0.2	0.2	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-16	Zinc	Lab analysis	Biannual	0.003	0.003	mg/l	W0151-01 EPA Trigger Level	N/A	No
					0	#DIV/0!				
25/03/13 17/09/13	MW-17	Ammoniacal Nitrogen	Lab analysis	Biannual	0.03	0.03	mg/l NH4-N	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-17	Chloride	Lab analysis	Biannual	47.6	44.3	mg/l	W0151-01 EPA Trigger Level	70	No
25/03/13 17/09/13	MW-17	Phenols, Total	Lab analysis	Biannual	0.1	0.1	mg/l	W0151-01 EPA Trigger Level	0.1	No
25/03/13 17/09/13	MW-17	Sulphate	Lab analysis	Biannual	77.9	76.285	mg/l	W0151-01 EPA Trigger Level	140	No
25/03/13 17/09/13	MW-17	Total Organic Carbon	Lab analysis	Biannual	3	2.5	mg/l	W0151-01 EPA Trigger Level	50	No
25/03/13 17/09/13	MW-17	Colour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-17	Conductivity	Field analysis	Biannual	1.01	0.95	mS/cm	W0151-01 EPA Trigger Level	1	No
25/03/13 17/09/13	MW-17	Dissolved Oxygen	Field analysis	Biannual	4.22	3.12	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-17	Level, Water	Field analysis	Biannual	12.37	11.405	mOD	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-17	Odour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-17	рН	Field analysis	Biannual	7.4	7.25	рН	W0151-01 EPA Trigger Level	6 <ph<9< td=""><td>No</td></ph<9<>	No
25/03/13 17/09/13	MW-17	Temperature	Field analysis	Biannual	11	8.95	оС	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-17	Alkalinity, Total	Lab analysis	Biannual	420	420	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-17	Boron	Lab analysis	Biannual	0.037	0.037	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-17	Cadmium	Lab analysis	Biannual	0.0005	0.0005	mg/l	W0151-01 EPA Trigger Level	0.004	No

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Groundy	/ater/Soil m	nonitoring te	mplate		Lic No:	W0151-01		Year	2013	
25/03/13 17/09/13	MW-17	Calcium	Lab analysis	Biannual	160.7	160.7	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-17	Chromium, Total	Lab analysis	Biannual	0.0015	0.0015	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-17	Coliforms, Faecal	Lab analysis	Biannual	10	10	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-17	Coliforms, Total	Lab analysis	Biannual	20	20	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-17	Copper	Lab analysis	Biannual	0.007	0.007	mg/l	W0151-01 EPA Trigger Level	0.5	No
25/03/13 17/09/13	MW-17	Cyanide	Lab analysis	Biannual	0.01	0.01	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-17	Fluoride	Lab analysis	Biannual	0.3	0.3	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-17	Iron	Lab analysis	Biannual	0.02	0.02	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-17	Lead	Lab analysis	Biannual	0.05	0.05	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-17	Magnesium	Lab analysis	Biannual	19.7	19.7	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-17	Manganese	Lab analysis	Biannual	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-17	Mercury	Lab analysis	Biannual	0.001	0.001	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-17	Nickel	Lab analysis	Biannual	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-17	Orthophospha tes	Lab analysis	Biannual	0.25	0.25	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-17	Phosphorous, Total	Lab analysis	Biannual	0.018	0.018	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-17	Potassium	Lab analysis	Biannual	8.3	8.3	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-17	Residue on Evaporation	Lab analysis	Biannual	634	634	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-17	Sodium	Lab analysis	Biannual	29.7	29.7	mg/l	W0151-01 EPA Trigger Level	80	No
25/03/13 17/09/13	MW-17	Total Oxidized Nitrogen	Lab analysis	Biannual	7.3	7.3	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-17	Zinc	Lab analysis	Biannual	0.004	0.004	mg/l	W0151-01 EPA Trigger Level	N/A	No
					0	#DIV/0!				
25/03/13 17/09/13 03/10/13 (EPA)	MW-20	Ammoniacal Nitrogen	Lab analysis	Biannual	0.09	0.053333333	mg/l NH4-N	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13 03/10/13 (EPA)	MW-20	Chloride	Lab analysis	Biannual	46.1	42.43333333	mg/l	W0151-01 EPA Trigger Level	70	No
25/03/13 17/09/13 03/10/13 (EPA)	MW-20	Phenols, Total	Lab analysis	Biannual	0.1	0.1	mg/l	W0151-01 EPA Trigger Level	0.1	No
25/03/13 17/09/13 03/10/13 (EPA)	MW-20	Sulphate	Lab analysis	Biannual	91.17	86.97333333	mg/l	W0151-01 EPA Trigger Level	140	No

Groundw	ater/Soil m	nonitoring te	mplate		Lic No:	W0151-01		Year	2013		
25/03/13	ater/3011 II	lomitoring to	impiace		LIC IVO.	W0131 01	I	Tear	2015	l	
17/09/13 03/10/13 (EPA) 25/03/13	MW-20	Total Organic Carbon	Lab analysis	Biannual	2	2	mg/l	W0151-01 EPA Trigger Level	50	No	
17/09/13 03/10/13	MW-20	Colour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No	
(EPA) 25/03/13 17/09/13 03/10/13 (EPA)	MW-20	Conductivity	Field analysis	Biannual	1.03	0.892	mS/cm	W0151-01 EPA Trigger Level	1	No	
25/03/13 17/09/13 03/10/13 (EPA) 25/03/13	MW-20	Dissolved Oxygen	Field analysis	Biannual	#VALUE!	#VALUE!	mg/l	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 17/09/13 03/10/13 (EPA) 25/03/13	MW-20	Level, Water	Field analysis	Biannual	12.19	11.225	mOD	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 17/09/13 03/10/13 (EPA) 25/03/13	MW-20	Odour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 17/09/13 03/10/13 (EPA) 25/03/13	MW-20	рН	Field analysis	Biannual	7.4	7.166666667	рН	W0151-01 EPA Trigger Level	6 <ph<9< td=""><td>No</td><td></td></ph<9<>	No	
25/03/13 17/09/13 03/10/13 (EPA) 25/03/13	MW-20	Temperature	Field analysis	Biannual	13.4	10.06666667	οС	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 17/09/13 03/10/13 (EPA) 25/03/13	MW-20	Alkalinity, Total	Lab analysis	Biannual	430	430	mg/l	W0151-01 EPA Trigger Level	N/A	No	
17/09/13 03/10/13 (EPA)	MW-20	Boron	Lab analysis	Biannual	0.08	0.074	mg/l	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 17/09/13 03/10/13 (EPA) 25/03/13	MW-20	Cadmium	Lab analysis	Biannual	0.0005	0.0003	mg/l	W0151-01 EPA Trigger Level	0.004	No	
25/03/13 17/09/13 03/10/13 (EPA) 25/03/13	MW-20	Calcium	Lab analysis	Biannual	153.7	152.85	mg/l	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 17/09/13 03/10/13 (EPA) 25/03/13	MW-20	Chromium, Total	Lab analysis	Biannual	0.0015	0.001	mg/l	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 17/09/13 03/10/13 (EPA) 25/03/13	MW-20	Coliforms, Faecal	Lab analysis	Biannual	10	10	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 17/09/13 03/10/13 (EPA)	MW-20	Coliforms, Total	Lab analysis	Biannual	20	20	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No	

Groundwater/Soil monitoring template Lic No: W0151-01 Year 2013											
	vater/Soil m	nonitoring te	mplate		Lic No:	W0151-01		Year	2013		
25/03/13 17/09/13 03/10/13 (EPA)	MW-20	Copper	Lab analysis	Biannual	0.007	0.0039	mg/l	W0151-01 EPA Trigger Level	0.5	No	
25/03/13 17/09/13 03/10/13 (EPA)	MW-20	Cyanide	Lab analysis	Biannual	0.01	0.01	mg/l	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 17/09/13 03/10/13 (EPA)	MW-20	Fluoride	Lab analysis	Biannual	0.3	0.3	mg/l	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 17/09/13 03/10/13 (EPA)	MW-20	Iron	Lab analysis	Biannual	0.02	0.015	mg/l	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 17/09/13 03/10/13 (EPA)	MW-20	Lead	Lab analysis	Biannual	0.005	0.00275	mg/l	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 17/09/13 03/10/13 (EPA)	MW-20	Magnesium	Lab analysis	Biannual	20	19.45	mg/l	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 17/09/13 03/10/13 (EPA)	MW-20	Manganese	Lab analysis	Biannual	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 17/09/13 03/10/13	MW-20	Mercury	Lab analysis	Biannual	0.001	0.000525	mg/l	W0151-01 EPA Trigger Level	N/A	No	
(EPA) 25/03/13 17/09/13 03/10/13 (EPA)	MW-20	Nickel	Lab analysis	Biannual	0.002	0.00125	mg/l	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 17/09/13 03/10/13 (EPA)	MW-20	Orthophospha tes	Lab analysis	Biannual	0.06	0.0335	mg/l	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 17/09/13 03/10/13 (EPA)	MW-20	Phosphorous, Total	Lab analysis	Biannual	0.24	0.24	mg/l	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 17/09/13 03/10/13 (EPA)	MW-20	Potassium	Lab analysis	Biannual	6.7	6.595	mg/l	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 17/09/13 03/10/13 (EPA)	MW-20	Residue on Evaporation	Lab analysis	Biannual	1019	1019	mg/l	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 17/09/13 03/10/13 (EPA)	MW-20	Sodium	Lab analysis	Biannual	32.5	31.95	mg/l	W0151-01 EPA Trigger Level	80	No	
25/03/13 17/09/13 03/10/13 (EPA)	MW-20	Total Oxidized Nitrogen	Lab analysis	Biannual	3.2	3.05	mg/l	W0151-01 EPA Trigger Level	N/A	No	

Groundw	ater/Soil n	nonitoring te	mplate		Lic No:	W0151-01		Year	2013	
25/03/13 17/09/13 03/10/13 (EPA)	MW-20	Zinc	Lab analysis	Biannual	0.003	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No
,=,					0	#DIV/0!				
25/03/13 17/09/13	MW-22	Ammoniacal Nitrogen	Lab analysis	Biannual	0.05	0.04	mg/l NH4-N	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-22	Chloride	Lab analysis	Biannual	119.7	117	mg/l	W0151-01 EPA Trigger Level	70	No
25/03/13 17/09/13	MW-22	Phenols, Total	Lab analysis	Biannual	0.1	0.1	mg/l	W0151-01 EPA Trigger Level	0.1	No
25/03/13 17/09/13	MW-22	Sulphate	Lab analysis	Biannual	28.27	23.57	mg/l	W0151-01 EPA Trigger Level	140	No
25/03/13 17/09/13	MW-22	Total Organic Carbon	Lab analysis	Biannual	2	2	mg/l	W0151-01 EPA Trigger Level	50	No
25/03/13 17/09/13	MW-22	Colour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-22	Conductivity	Field analysis	Biannual	1.24	0.74	mS/cm	W0151-01 EPA Trigger Level	1	No
25/03/13 17/09/13	MW-22	Dissolved Oxygen	Field analysis	Biannual	2.86	1.865	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-22	Level, Water	Field analysis	Biannual	15.63	15.04	mOD	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-22	Odour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-22	рН	Field analysis	Biannual	7.2	7.1	рН	W0151-01 EPA Trigger Level	6 <ph<9< td=""><td>No</td></ph<9<>	No
25/03/13 17/09/13	MW-22	Temperature	Field analysis	Biannual	10.9	8.25	оС	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-22	Alkalinity, Total	Lab analysis	Biannual	446	446	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-22	Boron	Lab analysis	Biannual	0.012	0.012	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-22	Cadmium	Lab analysis	Biannual	0.0005	0.0005	mg/l	W0151-01 EPA Trigger Level	0.004	No
25/03/13 17/09/13	MW-22	Calcium	Lab analysis	Biannual	184.7	184.7	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-22	Chromium, Total	Lab analysis	Biannual	0.0015	0.0015	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-22	Coliforms, Faecal	Lab analysis	Biannual	10	10	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-22	Coliforms, Total	Lab analysis	Biannual	20	20	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-22	Copper	Lab analysis	Biannual	0.007	0.007	mg/l	W0151-01 EPA Trigger Level	0.5	No
25/03/13 17/09/13	MW-22	Cyanide	Lab analysis	Biannual	0.01	0.01	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-22	Fluoride	Lab analysis	Biannual	0.3	0.3	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-22	Iron	Lab analysis	Biannual	0.02	0.02	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-22	Lead	Lab analysis	Biannual	0.005	0.005	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-22	Magnesium	Lab analysis	Biannual	10.6	10.6	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-22	Manganese	Lab analysis	Biannual	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 17/09/13	MW-22	Mercury	Lab analysis	Biannual	0.001	0.001	mg/l	W0151-01 EPA Trigger Level	N/A	No

Groundwater/Soil monitoring template Lic No: W0151-01 Year 2013											
Groundy	vater/Soil n	nonitoring te	mplate		Lic No:	W0151-01		Year	2013		
25/03/13 17/09/13	MW-22	Nickel	Lab analysis	Biannual	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 17/09/13	MW-22	Orthophospha tes	Lab analysis	Biannual	0.06	0.06	mg/l	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 17/09/13	MW-22	Phosphorous, Total	Lab analysis	Biannual	0.138	0.138	mg/l	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 17/09/13	MW-22	Potassium	Lab analysis	Biannual	1.2	1.2	mg/l	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 17/09/13	MW-22	Residue on Evaporation	Lab analysis	Biannual	1005	1005	mg/l	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 17/09/13	MW-22	Sodium	Lab analysis	Biannual	69.4	69.4	mg/l	W0151-01 EPA Trigger Level	80	No	
25/03/13 17/09/13	MW-22	Total Oxidized Nitrogen	Lab analysis	Biannual	8.3	8.3	mg/l	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 17/09/13	MW-22	Zinc	Lab analysis	Biannual	0.003	0.003	mg/l	W0151-01 EPA Trigger Level	N/A	No	
					0	#DIV/0!					
25/03/13 27/06/13 17/09/13 03/10/13 25/03/13	PW-3	Ammoniacal Nitrogen	Lab analysis	Quarterly	0.05	0.036666667	mg/l NH4-N	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 27/06/13 17/09/13 03/10/13 25/03/13	PW-3	Chloride	Lab analysis	Quarterly	44.6	38.9	mg/l	W0151-01 EPA Trigger Level	70	No	
27/06/13 17/09/13 03/10/13	PW-3	Phenols, Total	Lab analysis	Quarterly	0.1	0.1	mg/l	W0151-01 EPA Trigger Level	0.1	No	
25/03/13 27/06/13 17/09/13 03/10/13	PW-3	Sulphate	Lab analysis	Quarterly	74.99	56.87333333	mg/l	W0151-01 EPA Trigger Level	140	No	
25/03/13 27/06/13 17/09/13 03/10/13	PW-3	Total Organic Carbon	Lab analysis	Quarterly	2	2	mg/l	W0151-01 EPA Trigger Level	50	No	
25/03/13 27/06/13 17/09/13 03/10/13	PW-3	Colour	Field analysis	Quarterly	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 27/06/13 17/09/13 03/10/13	PW-3	Conductivity	Field analysis	Quarterly	0.73	0.676666667	mS/cm	W0151-01 EPA Trigger Level	1	No	
25/03/13 27/06/13 17/09/13 03/10/13	PW-3	Dissolved Oxygen	Field analysis	Quarterly	7.24	4.533333333	mg/l	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 27/06/13 17/09/13 03/10/13	PW-3	Odour	Field analysis	Quarterly	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 27/06/13 17/09/13 03/10/13	PW-3	рН	Field analysis	Quarterly	7.5	7.3	рН	W0151-01 EPA Trigger Level	6 <ph<9< td=""><td>No</td><td></td></ph<9<>	No	

Groundwater/Soil monitoring template Lic No: W0151-01 Year 2013											
	water/Soil n	nonitoring te	mplate		Lic No:	W0151-01		Year	2013		
25/03/13 27/06/13 17/09/13 03/10/13	PW-3	Temperature	Field analysis	Quarterly	12.6	10.46666667	οС	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 27/06/13 17/09/13 03/10/13	PW-3	Boron	Lab analysis	Quarterly	0.035	0.035	mg/l	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 27/06/13 17/09/13 03/10/13	PW-3	Cadmium	Lab analysis	Quarterly	0.0005	0.0005	mg/l	W0151-01 EPA Trigger Level	0.004	No	
25/03/13 27/06/13 17/09/13 03/10/13	PW-3	Calcium	Lab analysis	Quarterly	120.6	120.6	mg/l	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 27/06/13 17/09/13 03/10/13 25/03/13	PW-3	Chromium, Total	Lab analysis	Quarterly	0.0015	0.0015	mg/l	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 27/06/13 17/09/13 03/10/13	PW-3	Coliforms, Faecal	Lab analysis	Quarterly	10	10	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 27/06/13 17/09/13	PW-3	Coliforms, Total	Lab analysis	Quarterly	20	20	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No	
03/10/13 25/03/13 27/06/13 17/09/13	PW-3	Copper	Lab analysis	Quarterly	0.087	0.087	mg/l	W0151-01 EPA Trigger Level	0.5	No	
03/10/13 25/03/13 27/06/13 17/09/13 03/10/13	PW-3	Cyanide	Lab analysis	Quarterly	0.01	0.01	mg/l	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 27/06/13 17/09/13 03/10/13	PW-3	Fluoride	Lab analysis	Quarterly	0.3	0.3	mg/l	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 27/06/13 17/09/13 03/10/13	PW-3	Iron	Lab analysis	Quarterly	0.02	0.02	mg/l	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 27/06/13 17/09/13 03/10/13	PW-3	Lead	Lab analysis	Quarterly	0.005	0.005	mg/l	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 25/03/13 27/06/13 17/09/13 03/10/13	PW-3	Magnesium	Lab analysis	Quarterly	9	9	mg/l	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 27/06/13 17/09/13 03/10/13	PW-3	Manganese	Lab analysis	Quarterly	0.003	0.003	mg/l	W0151-01 EPA Trigger Level	N/A	No	
25/03/13 27/06/13 17/09/13 03/10/13	PW-3	Mercury	Lab analysis	Quarterly	0.001	0.001	mg/l	W0151-01 EPA Trigger Level	N/A	No	

Groundy	vater/Soil m	nonitoring te	mplate		Lic No:	W0151-01		Year	2013	
25/03/13 27/06/13 17/09/13 03/10/13	PW-3	Nickel	Lab analysis	Quarterly	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 27/06/13 17/09/13 03/10/13	PW-3	Orthophospha tes	Lab analysis	Quarterly	0.06	0.06	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 27/06/13 17/09/13 03/10/13	PW-3	Phosphorous, Total	Lab analysis	Quarterly	0.013	0.013	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 27/06/13 17/09/13 03/10/13	PW-3	Potassium	Lab analysis	Quarterly	1.3	1.3	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 27/06/13 17/09/13 03/10/13	PW-3	Residue on Evaporation	Lab analysis	Quarterly	465	465	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 27/06/13 17/09/13 03/10/13	PW-3	Sodium	Lab analysis	Quarterly	26.1	26.1	mg/l	W0151-01 EPA Trigger Level	80	No
25/03/13 27/06/13 17/09/13 03/10/13	PW-3	Total Alkalinity	Lab analysis	Quarterly	284	284	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 27/06/13 17/09/13 03/10/13	PW-3	Total Oxidized Nitrogen	Lab analysis	Quarterly	1.6	1.6	mg/l	W0151-01 EPA Trigger Level	N/A	No
25/03/13 27/06/13 17/09/13 03/10/13	PW-3	Zinc	Lab analysis	Quarterly	0.067	0.067	mg/l	W0151-01 EPA Trigger Level	N/A	No
							SELECT			SELECT

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

Groundwater monitoring template

More information on the use of soil and groundwater standards/ generic assessment criteria (GAC) and risk assessment tools is available in the EPA published guidance (see the link in G31)

Guidance on the Management of Contaminated Land and Groundwater at EPA Licensed Sites (EPA 2013)

\*\*Depending on location of the site and proximity to other sensitive receptors alternative Receptor based Water Quality standards should be used in addition to the GTV e.g. if the site is close to surface water compare to Surface Water Environmental Quality Standards (SWEQS), If the site is close to a drinking water supply compare results to the Drinking Water Standards (DWS)

 Surface water
 Groundwater regulations
 Drinking water (public private supply)
 Drinking water (public supply)
 Interim Guideline supply) standards
 Values (IGV)

Groundwater/Soil monitoring template	Lic No:	W0151-01	Year	2013	

Date of	Sample location	Parameter/	Mathadalas	Monitoring	Maximum	Average	
sampling	reference	Substance	Methodology	frequency	Concentration	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 2013

Click here to access EPA guidance on Environmental Liabilities and Financial provision

			Commentary
1	ELRA initial agreement status	Required but not submitted	
2	ELRA review status	SELECT	
3	Amount of Financial Provision cover required as determined by the latest ELRA	Specify	
3	Amount of Financial Frovision cover required as determined by the latest Edita	эрсспу	
4	Financial Provision for ELRA status	SELECT	
5	Financial Provision for ELRA - amount of cover	Specify	
6	Financial Provision for ELRA - type	SELECT	
U	Financial Provision for ELNA - type	SELECT	
7	Financial provision for ELRA expiry date	Enter expiry date	
8	Closure plan initial agreement status	SELECT	
9	Closure plan review status	SELECT	
10	Financial Provision for Closure status	SELECT	
11	Financial Provision for Closure - amount of cover	Specify	
12	Financial Provision for Closure - type	SELECT	
13	Financial provision for Closure expiry date	Enter expiry date	

	<b>Environmental Management Programme/Continuous Improvement Programme</b>	template	Lic No:	W0151-01	Year	2013
	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				
	Does the EMS maintain an Environmental Management Programme (EMP) as required in accordance					
3	with the licence requirements	Yes				
	Do you maintain an environmental documentation/communication system to inform the public on					
4	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	2013
1 Was noise monitoring a licence requirement for the AER period?		Yes		
If yes please fill in table N1 noise summary below		163	_	
	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		
$_{\rm 5}$ Have there been changes relevant to site noise emissions (e.g. plant or operational changes) since survey?	No			

Table N1: Noise monitoring summary											
Date of monitoring		Noise location (on site)	Noise sensitive location -NSL (if applicable)	$LA_{eq}$	LA <sub>90</sub>	LA <sub>10</sub>	LA <sub>max</sub>		If tonal /impulsive noise was identified was 5dB penalty applied?	Comments (ex. main noise sources on site, & extraneous noise ex. road traffic)	Is <u>site</u> compliant with noise limits (day/evening/night)?
16/08/2013	Daytime	NMP5		69	58	72	82.4	No	SELECT	During the survey, noise levels exceeded the EPA noise limit value at NMP5, NMP7 and NMP13. However	Yes
16/08/2013	Daytime	NMP7		57	52	58	84.2	No		the dominant noise source at all locations was road traffic along the local road	Yes
16/08/2013	Daytime	NMP8		50	45	51	79.2	Yes	Yes	network. Site operations at the Murphy Environmental facility were	Yes
16/08/2013	Daytime	NMP13		59	53	62	69.9	No		subjectively audible at noise monitoring locations NMP7 and NMP13.	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

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

Resource Usage/Energy efficiency summary Lic No: W0151-01 Year 2013

		Additional information
n table 3 below	No formal audit completed; ongoing monitoring and management of energy use by licensee.	
SEAI - Large Industry Energy Network (LIEN)	no	
ate percentage in	SELECT	

1 When did the site carry out the most recent energy efficiency audit? Please list the recommendations in table 3 below

Is the site a member of any accredited programmes for reducing energy usage/water conservation such as the SEAI programme linked to the right? If yes please list them in additional information

Where Fuel Oil is used in boilers on site is the sulphur content compliant with licence conditions? Please state percentage in additional information

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)				
Total Energy Generated (MWHrs)				
Total Renewable Energy Generated (N	/WHrs)			
Electricity Consumption (MWHrs)				
Fossil Fuels Consumption:				
Heavy Fuel Oil (m3)				
Light Fuel Oil (m3)				
Natural gas (m3)				
Coal/Solid fuel (metric tonnes)				
Peat (metric tonnes)				
Renewable Biomass				
Renewable energy generated on site				

\* 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	Table R2 Water usage on site				Water Emissions	Water Consumption	
	Water extracted	Water extracted		consumption if it	Volume Discharged back to	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(m <sup>3</sup> yr):	m3/yr	Unaccounted for Water:
Groundwater							
Surface water							
Public supply							
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 U	Usage/Energy efficiency sum	mary			Lic No:	W0151-01	Year	2013
	Table R3 Waste Stream	Summary						
		Total	Landfill	Incineration	Recycled	Other		
На	azardous (Tonnes)							
No	on-Hazardous (Tonnes)							

	Table R4: Energy Aւ	idit finding recommendat	tions					
Date of au	udit		Description of Measures proposed	Origin of measures	Predicted energy savings %	Implementation date	Responsibility	Status and comments
				SELECT				
				SELECT				
				SELECT				

Table R5: Power Generation: Where p	ower is generated onsite	e (e.g. power generatio	n facilities/food and	drink industry)please	complete the following
	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	2013
Complaints				
	Additional inform	ation		
Have you received any environmental complaints in the current reporting year? If yes please complete summary details of complaints received on site in table 1 below				

Table	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 reporting year Total new complaints received during reporting year							
Total complaints closed during reporting year							
Balance of complaints end of reporting year							

	Incident	S		
				Additional informatio
Have any incidents occurred on site in the current rep	orting year? Please list all in	cidents for current reporting		
year in Ta	ible 2 below	• •	Yes	
·				
** : 6				
*For information on how to report and what				
constitutes an incident	What is an incident			

incidents previous year % reduction/ increase

Table 2 Incidents sur	mmary		1											
						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
20/12/2013	Other(rejected load)	Other location (N/A)	1. Minor	No Uncontrolled release	Other (breach of )	NAP)	Normal activities	EPA	New	Improvements to WAI	)	Complete	20/12/2014	Low
04/11/2013	Trigger level reached	Other location (monitoring p	1. Minor	No Uncontrolled release			Normal activities	EPA	Recurring	Ongoing monitoring		Complete	04/11/2013	Medium
15/07/2013	Trigger level reached	Other location (monitoring p	1. Minor	No Uncontrolled release			Normal activities	EPA	Recurring	Ongoing monitoring		Complete	15/07/2013	Medium
08/11/2013	Trigger level reached	Other location (monitoring p	1. Minor	No Uncontrolled release			Normal activities	EPA	Recurring	Ongoing monitoring		Complete	08/11/2013	Medium
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT
Total number of														
incidents current														
year	4													
Total number of		1												

WASTE SUMMARY					Lic No:	W0151-01		Year	2013		
ECTION A-PRTR O	N SITE WASTE TREATMENT AND	WASTE TRANSFERS TAB-	TO BE COMPLETED B	Y ALL IPPC AND WA	ASTE FACILITIES	PRTR facility logor	<u>1</u>	dropdown I	ist click to see options		
ECTION B- WASTE	ACCEPTED ONTO SITE-TO BE CO	MPLETED BY ALL IPPC AN	D WASTE FACILITIES								
							Additional Information	n 1			
Vere any wastes <u>accepte</u> o be captured through P	ed onto your site for recovery or disposal	or treatment prior to recovery or o	disposal within the boundar	ies of your facility ?; (was	ste generated within your boundaries is	Yes					
f yes please enter details						163		1			
No.		216	h est da es . es ab .	and the second section of the section of the second section of the section of the second section of the section of th		w	Contract of the				
old your site have any re	jected consignments of waste in the curre	ent reporting year? If yes please gi	ve a brief explanation in the	additional information		Yes	See 'Incidents' tab	†			
Was	waste accepted onto your site that was go	enerated outside the Republic of I	reland? If yes please state tl	he quantity in tonnes in a	additional information	No					
	f waste accepted onto your										
Licenced annual tonnage limit for your	EWC code	Source of waste accepted	Description of waste accepted	Quantity of waste accepted in current	Quantity of waste accepted in previous reporting year (tonnes)	Reduction/ Increase over	Reason for reduction/increase	Packaging Content (%)- only applies if the waste	Disposal/Recovery or treatment operation carried out at your	Quantity of waste remaining	Comm
site (total			Please enter an accurate	reporting year (tonnes)	3,75 (3,75 (3,75)	previous year +/ -	from previous	has a packaging	site and the description of this	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								
									R5-Recycling/reclamation or		ı
									other inorganic materials which		i
		17- CONSTRUCTION AND DEMOLITION WASTES							includes soil celaning resuling in recovery of the soil and		i
750000	170504	(INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Sail & Stance	48176.2	11,176.00	2210/	market demand	00/	recycling of inorganic construction materials		i
730000	170304	THOM CONTAININATED SITES	Jon & Stones	48170.2	11,170.00	331/0	market demand	070			
									R5-Recycling/reclamation or other inorganic materials which		i
		17- CONSTRUCTION AND							includes soil celaning resuling in		i
		DEMOLITION WASTES (INCLUDING EXCAVATED SOIL							recovery of the soil and recycling of inorganic		i
750000	170101	FROM CONTAMINATED SITES)	Concrete	5862.4		#DIV/0!	market demand	0%	construction materials	1	
							J.	<u> </u>			
ECTION C-TO BE C	OMPLETED BY ALL WASTE FACIL	ITIES (waste transfer stati	ions, Composters, Ma	iterial recovery faci	lities etc) EXCEPT LANDFILL SIT	ES					
										<b>=</b> 1	
s all waste processing in	frastructure as required by your licence a	nd approved by the Agency in plac	e? If no please list waste pr	ocessing infrastructure re	equired onsite	SELECT					
s all waste storage infras	structure as required by your licence and a	approved by the Agency in place?	If no please list waste stora	ge infrastructure require	d on site	SELECT				]	
Does vour facility have re	elevant nuisance controls in place?					SELECT				1	
Do you have an odour ma	anagement system in place for your facilit	y? If no why?				SELECT					
Do you maintain a sludge	e register on site?					SELECT	1			J	
	COMPLETED BY LANDFILL SITES (	ONLY									
able 2 Waste type	and tonnage-landfill only										

Remaining licensed capacity at end of reporting year (m3)

Comments

all incoming waste is recovered

Actual intake for disposal in reporting year (tpa)

Authorised/licenced annual intake for

disposal (tpa) 738,000

Waste types permitted for disposal

inert waste

Comments on liner type

2013

Total disposal area occupied by waste

Lined disposal area occupied by waste

SELECT UNIT

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 separa for asbestos
Zone 6	2003	Not applicable	Yes	Private	Inert	subject to filling ra	No	No
			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,				1,
	ntal 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  I Manual linked above for relevant Landfill	Yes	Yes	Yes	No	No	No	
Area uncapped* SELECT UNIT	Area with temporary cap SELECT UNIT	Area with final cap to LD	A was conned other	Area with waste that should be permanently capped to date under	What materials are used in the con	Comments		
		Standard m2 ha, a	Area capped other	licence	What materials are used in the cap	Comments	-	
	•					SELECT SELECT	]	_
Volume of leachate in reporting year(m3)	Leachate (BOD) mass load (kg/annum)	Leachate (COD) mass load (kg/annum)	Leachate (NH4) mass load (kg/annum)	Leachate (Chloride) mass load kg/annum	Leachate treatment on-site	Specify type of leachate treatment	Comments	
	1	1	1	1	l		_	_
Table 7 Landfill Ga	Please ensure that all information rep s-Landfill only	ported in the landfill gas section is	consistent with the Landfil	I Gas Survey submitted in	conjunction with PRTR returns			
	·							
					1			



# Guidance to completing the PRTR workbook

# **AER Returns Workbook**

# REFERENCE YEAR 2013

1 I	FΔC	II IT\	/ IDF	NTIF	ICAT	ION

III / NOIEIT I IDEITIII IO/TITOIT	
Parent Company Name	Murphy Environmental Hollywood Limited
Facility Name	Murphy Concrete Manufacturing Ltd
PRTR Identification Number	W0151
Licence Number	W0151-01

Waste or IPPC Classes of Activity

Waste or IPPC Classes of Activity	
No.	class_name
4.4	Recycling or reclamation of other inorganic materials.
3.1	Deposit on, in or under land (including landfill).
	Storage prior to submission to any activity referred to in a preceding
	paragraph of this Schedule, other than temporary storage, pending
	collection, on the premises where the waste concerned is
3 13	produced.
5.110	Storage of waste intended for submission to any activity referred to
	in a preceding paragraph of this Schedule, other than temporary
	storage, pending collection, on the premises where such waste is
4 13	produced.
	Recycling or reclamation of metals and metal compounds.
	Sarsfieldtown
	Gormanstown
	Co. Meath
Address 4	7.7
Addless 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	0
Number of Employees	
	The parent company name is 'Murphy Concrete Manufacturing
	Ltd.'. The facility name is 'Murphy Environmental Gormanston'.
	The facility continues to suffer from the collapse of the
	construction/demolition sector, with incoming tonnages significantly
	lower than a number of years ago.
Web Address	, ,

### 2 DDTD CLASS ACTIVITIES

Z. 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. COLVENTO RECOLATIONS (C.I. 140. 343 C) 20	···
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 ?	

Guidance on waste imported/accepted onto site

 WASTE IMPORTED/ACCEPTED ONTO SITE
 Do you import/accept waste onto your site for onsite treatment (either recovery or disposal activities) ? Yes

#### SECTION A: SECTOR SPECIFIC PRTR POLLUTANTS

					Please enter all quantities	in this section in KG	is			
I	POLLUTANT				METHOD		QUANTITY			
				Method Used						
	No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accid	dental) KG/Year	F (Fugitive) KG/Ye
Ī						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

Link to previous years emissions data

#### **SECTION B: REMAINING PRTR POLLUTANTS**

	RELEASES TO AIR		Please enter all quantities in this section in KGs								
F	POLLUTANT			METHOD	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		

<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)

		Please enter all quantities in this section in KGs								
POLLUTANT			MET	HOD	QUANTITY					
			Method Used							
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accident	al) KG/Year	F (Fugitive) KG/Year	
					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

#### Additional Data Requested from Landfill operators

For the purposes of the National Inventory on Greenhouse Gases, landfill operators are requested to provide summary data on landfill gas (Methane) flared or utilised on their facilities to accompany the figures for total methane generated. Operators should only report their Net methane (CH4) emission to the environment under T(total) KG/yr for Section A: Sector specific PRTR pollutants above. Please complete the table below:

Landfill: Murphy Concrete Manufacturing Ltd

Lunam.	Marphy Concrete Mandiastaning Eta				_	
Please enter summary data on the quantities of methane flared and / or utilised			Meti	nod Used		
				Designation or	Facility Total Capacity m3	
	T (Total) kg/Year	M/C/E	Method Code	Description	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	(Total Utilising Capacity)
Net methane emission (as reported in Section						
A above)	0.0				N/A	

#### **SECTION A: SECTOR SPECIFIC PRTR POLLUTANTS**

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

	Please enter all quantities in this section in KGs									
POLLUTANT			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		

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

Link to previous years emissions data

#### **SECTION B: REMAINING PRTR POLLUTANTS**

	RELEASES TO WATERS		Please enter all quantities in this section in KGs						
	POLLUTANT			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	

<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 WATERS		Please enter all quantities in this section in KGs						
POLLUTANT					QUANTITY				
				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	0.0	

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

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

	OFFSITE TRANS	Please enter all quantities in this section in KGs								
	POI	LLUTANT	METHOD			QUANTITY				
				Meth	nod Used					
No. Ann	nex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	Α	(Accidental) KG/Year	F (Fugitive) KG/Year
				•		0.0	ı'	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)

OLO HOR B : REMAINING   OLEO PART EINE	olorio (as required in your Election)			_						
OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATMENT OR SEWER					Please enter all quantities in this section in KGs					
PO	LLUTANT	METHOD			QUANTITY					
			Method Used							
Pollutant No.	utant No. Name		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

4.4 RELEASES TO LAND

Link to previous years emissions data

PRTR#: W0151 | Facility Name: Murphy Concrete Manufacturing Ltd | Filename: W0151\_PRTR 2013.xls | Return Year: 2013 |

#### 01/04/2014 15:38

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

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

 $<sup>^\</sup>star$  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 T	O LAND	Please enter all quantities in this section in KGs							
	POLLUTANT				METHOD					QUANTI	TY
					Method Used						
- 1	Pollutant No.	Name		N	//C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accide	ental) 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

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE	PRTR#: W0151   Facility Name: Murphy Concrete Manufacturing Ltd   Filename: W0151_PRTR 2013.xls   Return Year: 2013
--------------------------------------------------	---------------------------------------------------------------------------------------------------------------------

Please enter all quantities on this sheet in Tonnes 6												
	European Waste		Quantity (Tonnes per Year)		Waste Treatment		Method Used	Location of	Haz Waste: Name and Licence/Permit No of Next Destination Facility Non 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)
Transfer Destination		Hazardous		Description of Waste		M/C/E	Method Used	Treatment				
Within the Country		No	0.0	mixed municipal waste	D15	Е	Volume Calculation	Offsite in Ireland	Panda,W0140-03	Beauparc,Navan,Co. Meath,O,Ireland Beauparc,Navan,Co.		
Within the Country	20 03 01	No	0.0	mixed municipal waste	R3	E	Volume Calculation	Offsite in Ireland	Panda,W0140-03	Meath,0,Ireland		

01/04/2014 15:38

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

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