Facility Information Summa	ary			
AER Reporting Year	2014			
Licence Register Number	W0151-01			
Name of site	Murph	y Environm	ental Gormanston	
Site Location	Sarsfield	stown, Gori	manston, Co. Meath	
NACE Code		38	32	
Class/Classes of Activity		3.1, 3.13, 4	.3, 4.4, 4.13	
National Grid Reference (6E, 6 N)		-6.25153	3 53.654	
			•	

A description of the activities/processes at the site for the reporting year. This should include information such as production increases or decreases on site, any infrastructural changes, environmental performance which was measured during the reporting year and an overview of compliance with your licence listing all exceedances of licence limits (where applicable) and what they relate to e.g. air, water, noise.

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

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

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)

	AIR-summary template	Lic No:	W0151-01	Year	2014
	Answer all questions and complete all tables where relevant			Additional information toring was conducted at 4 No. monitoring	
1	Does your site have licensed air emissions? If yes please complete table A1 and A2 below for the current reporting year and answer further questions. If you do not have licenced emissions and do not complete a solvent management plan (table A4 and A5) you do not need to complete the tables		locations in Q2, 201	.4 (27/05/14 to 26/06/14) and Q3, 2014 /14) - there were no breaches of the dust	
		No			
	Periodic/Non-Continuous Monitoring				
2	Are there any results in breach of licence requirements? If yes please provide brief details in the comment section of TableA1 below	SELECT			
3	Was all monitoring carried out in accordance with EPA guidance note AG2 and using the basic air monitoring checklist? Basic air monitoring checklist AGN2	SELECT			
	Table A1: Licensed Mass Emissions/Ambient data-periodic monitoring (non-continuous)				
					Comments - reason for change in % mass load
	ELV in licence or				from previous

										change in %
										mass load
										from
			ELV in licence or							previous
Emission		Frequency of	any revision			Unit of	Compliant with		Annual mass	year if
reference no:	Parameter/ Substance	Monitoring	therof	Licence Compliance criteria	Measured value	measurement	licence limit	Method of analysis	load (kg)	applicable
	SELECT			SELECT		SELECT	SELECT	SELECT		
	SELECT			SELECT		SELECT	SELECT	SELECT		
	SELECT			SELECT		SELECT	SELECT	SELECT		
	SELECT			SELECT		SELECT	SELECT	SELECT		

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

	AIR-summary template	Lic No:	W0151-01	Year	2014
	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 Bypass protocol

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

^{*} this should include all dates that an abatement system bypass occurred

^{**} an accurate record of time bypass beginning and end should be logged on site and maintained for future Agency inspections please refer to bypass protocol link

	AIR-summary 1	template				Lic No:	W0151-01		Year	2014
	Solvent	use and manageme	nt on site							
8	Do you have a total	l Emission Limit Value of di	rect and fugitive emis	sions on site? if yes	please fill out tables A4 and A5			SELECT		
		ent Management Pla ssion limit value	in Summary	Solvent regulations	Please refer to linked solver complete table 5					
	Reporting year	Total solvent input on site (kg)	Total VOC emissions to Air from entire site (direct and fugitive)	emissions as %of solvent input	Total Emission Limit Value (ELV) in licence or any revision therof	Compliance				
-						SELECT SELECT	-			
İ	Table A5:	Solvent Mass Baland	te summary	<u> </u>		SEEE	_			
•		(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.	Solvents destroyed onsite through	Total emission of Solvent to air (kg)	
-										
L		<u> </u>			<u> </u>]		Total		

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)	c No:	W0151-01	Year	2014
		Additional information		

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

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

Additional information No

Table W1 Storm water monitoring

	WI Storm Wat	er momtoring								
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	27/05/2014 03/12/2014	Not applicable	Not applicable	353	mg/l	Not applicable	
ST-1	upstream		Ammoniacal Nitrogen	27/05/2014 03/12/2014	Not applicable	Not applicable	0.085	mg/l	Not applicable	
ST-1	upstream		BOD	27/05/2014 03/12/2014	Not applicable	Not applicable	1.5	mg/l	Not applicable	
ST-1	upstream		Boron	27/05/2014 03/12/2014	Not applicable	Not applicable	0.023	mg/l	Not applicable	
ST-1	upstream		Cadmium	27/05/2014 03/12/2014	Not applicable	Not applicable	0.0005	mg/l	Not applicable	
ST-1	upstream		Calcium	27/05/2014 03/12/2014	Not applicable	Not applicable	136.75	mg/l	Not applicable	
ST-1	upstream		Chloride	27/05/2014 03/12/2014	Not applicable	Not applicable	35.7	mg/l	Not applicable	
ST-1	upstream		Chromium, Total	27/05/2014 03/12/2014	Not applicable	Not applicable	0.0015	mg/l	Not applicable	
ST-1	upstream		COD	27/05/2014 03/12/2014	Not applicable	Not applicable	16.5	mg/l	Not applicable	
ST-1	upstream		Colour	27/05/2014 03/12/2014 27/05/2014	Not applicable	Not applicable	#VALUE!	N/A	Not applicable	
ST-1	upstream		Conductivity	03/12/2014 27/05/2014	Not applicable	Not applicable	0.795	mS/cm	Not applicable	
ST-1	upstream		Copper	03/12/2014 27/05/2014	Not applicable	Not applicable	0.007	mg/l	Not applicable	
ST-1	upstream		Cyanide, Total	03/12/2014	Not applicable	Not applicable	0.01	mg/l	Not applicable	
ST-1	upstream		Dissolved Oxygen	03/12/2014 27/05/2014	Not applicable	Not applicable	8	mg/l	Not applicable	
ST-1	upstream		Iron	03/12/2014	Not applicable	Not applicable	0.02	mg/l	Not applicable	
ST-1	upstream		Lead	03/12/2014 27/05/2014	Not applicable	Not applicable	0.005	mg/l	Not applicable	
ST-1	upstream		Magnesium	03/12/2014 27/05/2014	Not applicable	Not applicable	12.7	mg/l	Not applicable	
ST-1 ST-1	upstream		Manganese	03/12/2014 27/05/2014	Not applicable	Not applicable	0.002	mg/l	Not applicable	
ST-1	upstream		Nickel	03/12/2014 27/05/2014	Not applicable Not applicable	Not applicable	0.002 #VALUE!	mg/l	Not applicable	
ST-1	upstream		Odour	03/12/2014 27/05/2014	Not applicable	Not applicable	0.225	N/A	Not applicable	
ST-1	upstream		Orthophosphates	03/12/2014 27/05/2014	Not applicable	Not applicable	8.15	mg/l	Not applicable	
ST-1	upstream		pH	03/12/2014 27/05/2014	Not applicable	Not applicable	0.1225	pH units	Not applicable	
ST-1	upstream		Phosphorus, Total	03/12/2014 27/05/2014	Not applicable	Not applicable	2.8	mg/l	Not applicable	
ST-1	upstream		Potassium	03/12/2014 27/05/2014	Not applicable	Not applicable	18.4	mg/l	Not applicable	
ST-1	upstream		Sodium	03/12/2014 27/05/2014	Not applicable	Not applicable	26.595	mg/l	Not applicable	
37-1	upstream		Sulphate	03/12/2014	. tot applicable	Not applicable	20.000	mg/l	Not applicable	

ER Monitor	ring returns sumn	nary template-WATER/WASTEWATE			Lic No:	W0151-01		Year	
ST-1	upstream	Suspended Solids, Total	27/05/2014 03/12/2014	Not applicable	Not applicable	12.5	mg/l	Not applicable	
	upstream	Suspended Solids, Total	27/05/2014		Not applicable		mg/1	Not applicable	
ST-1	upstream	Temperature	03/12/2014	Not applicable	Not applicable	11.1	оС	Not applicable	
			27/05/2014						
ST-1	upstream	Zinc	03/12/2014	Not applicable	Not applicable	0.0045	mg/l	Not applicable	
ST-2			27/05/2014	Not applicable		215			
31-2	upstream	Alkalinity, Total	03/12/2014	140t applicable	Not applicable	213	mg/l	Not applicable	
ST-2			27/05/2014	Not applicable		0.04			
	upstream	Ammoniacal Nitrogen	03/12/2014		Not applicable		mg/l	Not applicable	
ST-2			27/05/2014	Not applicable		2.5			
	upstream	BOD	03/12/2014		Not applicable	· ·	mg/l	Not applicable	
ST-2		D	27/05/2014 03/12/2014	Not applicable	Non-au-Paskia	0.0305		Not conflored	
	upstream	Boron	27/05/2014		Not applicable		mg/l	Not applicable	
ST-2	upstream	Cadmium	03/12/2014	Not applicable	Not applicable	0.0005	mg/I	Not applicable	
	ирзачени	Cadman	27/05/2014		Not applicable		IIIg/1	Not applicable	
ST-2	upstream	Calcium	03/12/2014	Not applicable	Not applicable	109.5	mg/l	Not applicable	
		Colorani	27/05/2014						
ST-2	upstream	Chloride	03/12/2014	Not applicable	Not applicable	38.15	mg/l	Not applicable	
CT 2			27/05/2014	Net and Pro-12		0.0045			
ST-2	upstream	Chromium, Total	03/12/2014	Not applicable	Not applicable	0.0015	mg/l	Not applicable	
ST-2			27/05/2014	Not applicable		7			
31-2	upstream	COD	03/12/2014	MOL applicable	Not applicable	7	mg/l	Not applicable	
ST-2			27/05/2014	Not applicable		#VALUE!			_
5. 2	upstream	Colour	03/12/2014	140t applicable	Not applicable	# V/ LOE.	N/A	Not applicable	
ST-2			27/05/2014	Not applicable		0.76			
	upstream	Conductivity	03/12/2014	,,	Not applicable		mS/cm	Not applicable	
ST-2			27/05/2014	Not applicable		0.007			
	upstream	Copper	03/12/2014		Not applicable		mg/l	Not applicable	
ST-2		Country Total	27/05/2014	Not applicable	Non-au-Parkin	0.01		Not conflored.	
	upstream	Cyanide, Total	03/12/2014 27/05/2014		Not applicable		mg/l	Not applicable	
ST-2	upstream	Dissolved Oxygen	03/12/2014	Not applicable	Not applicable	10	mg/I	Not applicable	
	upstream	Dissolved Oxygen	27/05/2014		пос аррисавіе		mg/i	Not applicable	
ST-2	upstream	Iron	03/12/2014	Not applicable	Not applicable	0.02	mg/l	Not applicable	
			27/05/2014				J.		
ST-2	upstream	Lead	03/12/2014	Not applicable	Not applicable	0.005	mg/l	Not applicable	
ST-2			27/05/2014	Not applicable		13.55			
31-2	upstream	Magnesium	03/12/2014	пот аррисавіе	Not applicable	13.55	mg/l	Not applicable	
ST-2			27/05/2014	Not applicable		0.0045			
31-2	upstream	Manganese	03/12/2014	140t applicable	Not applicable	0.0040	mg/l	Not applicable	
ST-2			27/05/2014	Not applicable		0.002			
	upstream	Nickel	03/12/2014	It house age	Not applicable		mg/l	Not applicable	
ST-2			27/05/2014	Not applicable		#VALUE!			
	upstream	Odour	03/12/2014		Not applicable		N/A	Not applicable	
ST-2	unctroam	Orthophornhotes	27/05/2014 03/12/2014	Not applicable	Not applicable	0.06	mg/l	Not applicable	
	upstream	Orthophosphates	03/12/2014 27/05/2014	1	пот аррисавіе	1	mg/l	пот аррисаріе	
ST-2	upstream	рН	03/12/2014	Not applicable	Not applicable	8.25	pH units	Not applicable	
	ирзисан	pri	27/05/2014		NOT applicable		pri units	1401 аррисавіе	
ST-2	upstream	Phosphorus, Total	03/12/2014	Not applicable	Not applicable	0.026	mg/I	Not applicable	
			27/05/2014		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		-07	, , , , , , , , , , , , , , , , , , , ,	
ST-2	upstream	Potassium	03/12/2014	Not applicable	Not applicable	8.55	mg/l	Not applicable	
ST-2			27/05/2014	Net en l'est		20.2			
31-2	upstream	Sodium	03/12/2014	Not applicable	Not applicable	20.2	mg/l	Not applicable	
ST-2			27/05/2014	Not applicable		104.845			
31-2	upstream	Sulphate	03/12/2014	Not applicable	Not applicable	104.845	mg/l	Not applicable	
ST-2			27/05/2014	Not applicable		12.5			
J. Z	upstream	Suspended Solids, Total	03/12/2014	. soc applicable	Not applicable	12.0	mg/l	Not applicable	
ST-2			27/05/2014	Not applicable		10.95			
J. Z	upstream	Temperature	03/12/2014	.tot applicable	Not applicable	.0.55	оС	Not applicable	
ST-2			27/05/2014	Not applicable		0.0035			
	upstream	Zinc	03/12/2014	It house age	Not applicable		mg/l	Not applicable	
CIMP 4			02/42/206	Man and Park		070			
	downstream	Alkalinity, Total	03/12/2014	Not applicable Not applicable	Not applicable Not applicable	278 <0.03	mg/l mg/l	Not applicable Not applicable	
SWD-1	downstream	Ammoniacal Nitrogen	03/12/2014						

AER Monito	ring returns su	mmary template-W/	ATER/WASTEWATE	R(SEWER)		Lic No:	W0151-01		Year	2014
SWD-1	downstream		Boron	03/12/2014	Not applicable	Not applicable	0.034	mg/l	Not applicable	
SWD-1	downstream		Cadmium	03/12/2014	Not applicable	Not applicable	<0.005	mg/l	Not applicable	
SWD-1	downstream		Calcium	03/12/2014	Not applicable	Not applicable	135.3	mg/l	Not applicable	
SWD-1	downstream		Chloride	03/12/2014	Not applicable	Not applicable	41.9	mg/l	Not applicable	
SWD-1	downstream		Chromium, Total	03/12/2014	Not applicable	Not applicable	<0.0015	mg/l	Not applicable	
SWD-1	downstream		COD	03/12/2014	Not applicable	Not applicable	<7	mg/l	Not applicable	
SWD-1	downstream		Colour	03/12/2014	Not applicable	Not applicable	Clear	N/A	Not applicable	
SWD-1	downstream		Conductivity	03/12/2014	Not applicable	Not applicable	0.85	mS/cm	Not applicable	
SWD-1	downstream		Copper	03/12/2014	Not applicable	Not applicable	<0.007	mg/l	Not applicable	
SWD-1	downstream		Cyanide, Total	03/12/2014	Not applicable	Not applicable	<0.01	mg/l	Not applicable	
SWD-1	downstream		Dissolved Oxygen	03/12/2014	Not applicable	Not applicable	9	mg/l	Not applicable	
SWD-1	downstream		Iron	03/12/2014	Not applicable	Not applicable	<0.020	mg/l	Not applicable	
SWD-1	downstream		Lead	03/12/2014	Not applicable	Not applicable	<0.005	mg/l	Not applicable	
SWD-1	downstream		Magnesium	03/12/2014	Not applicable	Not applicable	12.8	mg/l	Not applicable	
SWD-1	downstream		Manganese	03/12/2014	Not applicable	Not applicable	<0.002	mg/l	Not applicable	
SWD-1	downstream		Nickel	03/12/2014	Not applicable	Not applicable	<0.002	mg/l	Not applicable	
SWD-1	downstream		Odour	03/12/2014	Not applicable	Not applicable	None	N/A	Not applicable	
SWD-1	downstream		Orthophosphates	03/12/2014	Not applicable	Not applicable	<0.06	mg/l	Not applicable	
SWD-1	downstream		pH	03/12/2014	Not applicable	Not applicable	8	pH units	Not applicable	
SWD-1	downstream		Phosphorus, Total	03/12/2014	Not applicable	Not applicable	0.046	mg/l	Not applicable	
SWD-1	downstream		Potassium	03/12/2014	Not applicable	Not applicable	9.4	mg/l	Not applicable	
SWD-1	downstream		Sodium	03/12/2014	Not applicable	Not applicable	26.1	mg/l	Not applicable	
SWD-1	downstream		Sulphate	03/12/2014	Not applicable	Not applicable	129.22	mg/l	Not applicable	
SWD-1	downstream		Suspended Solids, Total	03/12/2014	Not applicable	Not applicable	22	mg/l	Not applicable	
SWD-1	downstream		Temperature	03/12/2014	Not applicable	Not applicable	6.4	оС	Not applicable	
SWD-1	downstream		Zinc	03/12/2014	Not applicable	Not applicable	<0.003	mg/l	Not applicable	

^{*}trigger values may be agreed by the Agency outside of licence conditions

Table W2 Visual inspections-Please only enter details where contamination was observed.

	Location Reference	Date of inspection	Description of contamination	Source of contamination	Corrective action	Comments
Ī			NO CONTAMINATION	SELECT		
				SELECT		

	AER Monitor	ing returns su	mmary template-W	ATER/WASTEWATE	R(SEWER)		Lic No:	W0151-01		Year	2014					
	Licensed Emi	ssions to wat	er and /or wastewat	ter(sewer)-periodic	monitoring (ı	non-continuou	s)									
3	Was there ar	ny result in breach	of licence requirements? If	f yes please provide brief	details in the											
_		c	omment section of Table V	V3 below		No		Additional information				1				
	Was all monit	oring carried out	in accordance with EPA													
			y of Aqueous Monitoring													
4			please detail what areas ional information box	External /Internal Lab Quality checklist	Assessment of results checklist	Voc										
-	require imp	ioveillent in addit	ional information box	Quality checklist	results checklist	ies						J				
	Table W3: Lic	censed Emissi	ons to water and /or	wastewater (sewe	r)-periodic m	onitoring (non	-continuous)									
ı																
							ELV or trigger									
							values in licence or any revision							Procedural		
- 1	Emission reference no:	Emission released to	Parameter/ SubstanceNote 1	Type of sample	Frequency of monitoring	Averaging period	The second second	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Method of analysis	Procedural reference source	reference standard number	Annual mass load (kg)	Comments
ı		SELECT	SELECT	SELECT		SELECT		SELECT		SELECT	SELECT	SELECT	SELECT		\ \ \/	
			cluded as a reportable para es (ELV) do not apply to yo		o reculte against El	OS for Surface water	or or relevant recente	r quality standards								
			es (EEV) do not apply to yo	ur licerice piease compan	e results against Et	as for surface water	or relevant receptor	quality standards								
	Continuous n						1	Additional Information		Ī						
5	Does your site ca	arry out continuou	us emissions to water/sewe	er monitoring?		SELECT										
	If yes please sun	nmarise your cont	tinuous monitoring data be	elow in Table W4 and co	mpare it to its											
	relevant Emissio	n Limit Value (ELV	")													
_	Did continuous n	nonitoring equipm	nent experience downtime?	? If yes please record dov	vntime in table											
ь	W4 below					SELECT										
7	Do you have a pr	oactive service co	ntract for each piece of cor	ntinuous monitoring equi	pment on site?	SELECT										
8	Did abatement s	vstem bypass occi	ur during the reporting year	r? If ves please complete	table W5 below					<u>.</u> ll						
			erage emissions -con			SELECT										
	Table W4. 3u	illillial y Ol ave	erage errissions -con	itiliuous monitorni	5											
ſ																
				ELV or trigger values in					% change +/- from previous reporting	Monitoring	Number of ELV					
	Emission	Emission		licence or any revision	Averaging	Compliance	Units of	Annual Emission for current	year	Equipment	exceedences in					
Į	reference no:	released to	Parameter/ Substance	thereof	Period	Criteria	measurement	reporting year (kg)		downtime (hours)	reporting year		Comm	ents		
-		SELECT SELECT	SELECT SELECT		SELECT SELECT	SELECT SELECT	SELECT SELECT									
ŀ		SEECI	SELECT		SELECT	SELECT	SELECT									

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

Table W5: Abatement system bypass reporting table

		.c 2) pass . cpo	,			
Date	Duration (hours)	Location	Resultant emissions		Was a report submitted to the	When was this report submitted?
				**	EPA?	
					SELECT	

^{*}Measures taken or proposed to reduce or limit bypass frequency

Bund/Pipeline test	ting template				Lic No:	W0151-01		Year	201	4				I
Bund testing	1	dropdown menu cli	ick to see ontions				Additional information							
Are you required by you		itegrity testing on bunds and cont	tainment structures ? if yes p				Bund testing is stipulated in W0151- 01; however fuel is no longer stored on site (the plant items which							
		I bunds which failed the integrity e the licenced testing period (mol			e bunds must be listed in		required diesel are no longer on site). Bund testing has, therefore,							
1						Yes	not been required (diesel tanks are empty).							
Please provide integrity Does the site maintain a		d erground pipelines (including store	mwater and foul). Tanks, sum	ins and containers? (contain	ners refers to "Chemstore"	SELECT		1						
3 type units and mobile bu	ounds)		,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		SELECT								
4 How many bunds are on		hin sho												
6 How many mobile bunds		hin the required test schedule?												
7 Are the mobile bunds in	ncluded in the bund test					SELECT		Ī						
		ted within the required test sched	dule?											
9 How many sumps on site														
10 How many of these sum Please list any sump into							_1	1						
11 Do all sumps and chamb						SELECT		Ī						
		in a maintenance and testing pro	gramme?			SELECT								
13 Is the Fire Water Retent	tion Pond included in you	ur integrity test programme?				SELECT		1						
Table	le B1: Summary details of	f bund /containment structure int	egrity test	1										
									Integrity reports					Res
Bund/Containment									maintained on		Integrity test failure		Scheduled date	1 2 2
	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	repo
	SELECT					SELECT			SELECT	SELECT		SELECT		+
* Capacity required should compl				•			Commentary	1			•	•	*	
15 line with BS8007/EPA Gu		nce with licence requirements an	d are all structures tested in	bunding and storage guideli	ines	SELECT								
16 Are channels/transfer sy		nment systems tested?		banang ana storago galacii	1100	SELECT								
17 Are channels/transfer sy	systems compliant in bot	h integrity and available volume?				SELECT		I						
Dinalina / undargrou	und structure testing	7												
Are you required by you	ur licence to undertake in	Itegrity testing* on underground						1						
		nich failed the integrity test and a	II which have not been teste	d withing the integrity test	period as specified	SELECT SELECT								
2 Please provide integrity to *nlease note integrity to		ness testing for process and foul	ninelines (as required under	vour licence)		SELECT		1						
				7										
Table	B2: Summary details of p	pipeline/underground structures i	ntegrity test									1		
			Does this structure have	Type of secondary containment		Integrity reports		Integrity test failure explanation		Scheduled date				
	Type system SELECT	Material of construction: SELECT	Secondary containment? SELECT	SELECT	Type integrity testing SELECT	maintained on site? SELECT	Results of test SELECT	<50 words	taken	for retest	reporting year) SELECT	-		
	J.C.C.	J.C.C.	SECESI	SEEE C.	JEECT	JEECH	J.L.C.				SELECT			
		N												
	1	Please use comn	nentary for additional details	not answered by tables/ qu	estions above									

Groundwater/Soil monitoring template Lic No: W0151-01 Year 2014

Comments

	Comments	
yes		Please provide an interpretation of groundwater monitoring data in the
no		interpretation box below or if you require additional space please include a
no		groundwater/contaminated land monitoring results interpretaion as an additional section in this AER
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.
N/A		
N/A		
N/A		
N/A		
N/A		
	no no N/A N/A N/A	yes

Table 1: Upgradient Groundwater monitoring results

	PB. www.ciit c									
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
11/02/14	MW-18	Ammoniacal	Lab analysis	Biannual	0.08	0.055	mg/l NH4-N	W0151-01 EPA	N/A	No
28/08/14		Nitrogen						Trigger Level		
11/02/14	MW-18	Chloride	Lab analysis	Biannual	40.1	39.3	mg/l	W0151-01 EPA	70	No
28/08/14								Trigger Level		
11/02/14	MW-18	Phenols, Total	Lab analysis	Biannual	0.1	0.1	mg/l	W0151-01 EPA	0.1	No
28/08/14								Trigger Level		
11/02/14	MW-18	Sulphate	Lab analysis	Biannual	15.7	15.455	mg/l	W0151-01 EPA	140	No
28/08/14								Trigger Level		
11/02/14	MW-18	Total Organic	Lab analysis	Biannual	2	2	mg/l	W0151-01 EPA	50	No
28/08/14		Carbon						Trigger Level		
11/02/14	MW-18	Colour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA	N/A	No
28/08/14								Trigger Level		
11/02/14	MW-18	Conductivity	Field analysis	Biannual	0.27	0.265	mS/cm	W0151-01 EPA	1	No
28/08/14								Trigger Level		
11/02/14	MW-18	Dissolved	Field analysis	Biannual	9	5.7	mg/l	W0151-01 EPA	N/A	No
28/08/14		Oxygen						Trigger Level		
11/02/14	MW-18	Level, Water	Field analysis	Biannual	14.17	13.5	mOD	W0151-01 EPA	N/A	No
28/08/14								Trigger Level		
11/02/14	MW-18	Odour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA	N/A	No
28/08/14			ĺ			1		Trigger Level	1	

Groundwa	ater/Soil m	onitoring ten	nplate		Lic No:	W0151-01		Year	2014	
11/02/14	MW-18	рН	Field analysis	Biannual	7.8	7.7	pH	W0151-01 EPA	6 <ph<9< th=""><th>No</th></ph<9<>	No
28/08/14		·	•				· ·	Trigger Level	·	
11/02/14 28/08/14	MW-18	Temperature	Field analysis	Biannual	14.6	10.25	оС	W0151-01 EPA Trigger Level	N/A	No
11/02/14	MW-18	Alkalinity,	Lab analysis	Biannual	66	66	mg/l	W0151-01 EPA	N/A	No
28/08/14		Total						Trigger Level		
11/02/14 28/08/14	MW-18	Boron	Lab analysis	Biannual	0.012	0.012	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14	MW-18	Cadmium	Lab analysis	Biannual	0.0005	0.0005	mg/l	W0151-01 EPA	0.004	No
28/08/14 11/02/14	MW-18	Calcium	Lab analysis	Biannual	20.4	20.4	mg/l	Trigger Level W0151-01 EPA	N/A	No
28/08/14	10100-10	Calcium	Lab arranysis	Diamidai	20.4	20.4	1115/1	Trigger Level	19/4	140
11/02/14	MW-18	Chromium,	Lab analysis	Biannual	0.0015	0.0015	mg/I	W0151-01 EPA	N/A	No
28/08/14 11/02/14	MW-18	Total Coliforms,	Lab analysis	Biannual	1	1	cfus/100ml	Trigger Level W0151-01 EPA	N/A	No
28/08/14		Faecal	•				·	Trigger Level	·	
11/02/14 28/08/14	MW-18	Coliforms, Total	Lab analysis	Biannual	1	1	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
11/02/14	MW-18	Copper	Lab analysis	Biannual	0.007	0.007	mg/l	W0151-01 EPA	0.5	No
28/08/14 11/02/14	MW-18	Conside	Lab analysis	Diagramal	0.01	0.01	/1	Trigger Level W0151-01 EPA	N/A	Nie
28/08/14	IVI VV-18	Cyanide	Lab analysis	Biannual	0.01	0.01	mg/l	Trigger Level	N/A	No
11/02/14	MW-18	Fluoride	Lab analysis	Biannual	0.3	0.3	mg/l	W0151-01 EPA	N/A	No
28/08/14 11/02/14	MW-18	Iron	Lab analysis	Biannual	0.02	0.02	mg/l	Trigger Level W0151-01 EPA	N/A	No
28/08/14			Lab arranyors	Sidilitadi			5/	Trigger Level	·	
11/02/14 28/08/14	MW-18	Lead	Lab analysis	Biannual	0.05	0.05	mg/l	W0151-01 EPA	N/A	No
11/02/14	MW-18	Magnesium	Lab analysis	Biannual	2	2	mg/l	Trigger Level W0151-01 EPA	N/A	No
28/08/14 11/02/14	MW-18	Managana	Lab analysis	Biannual	0.002	0.002		Trigger Level	N/A	No
28/08/14	IVI VV-10	Manganese	Lab analysis	Didilliudi	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	NO
11/02/14	MW-18	Mercury	Lab analysis	Biannual	0.001	0.001	mg/l	W0151-01 EPA	N/A	No
28/08/14 11/02/14	MW-18	Nickel	Lab analysis	Biannual	0.002	0.002	mg/l	Trigger Level W0151-01 EPA	N/A	No
28/08/14		1						Trigger Level		
11/02/14 28/08/14	MW-18	Orthophospha tes	Lab analysis	Biannual	0.06	0.06	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14	MW-18	Phosphorous,	Lab analysis	Biannual	0.034	0.034	mg/l	W0151-01 EPA	N/A	No
28/08/14 11/02/14	MW-18	Total Potassium	Lab analysis	Biannual	1.6	1.6	mg/l	Trigger Level W0151-01 EPA	N/A	No
28/08/14		1 Otassium	Lab arranysis	Diamidai	1.0		1116/1	Trigger Level	IV/A	140
11/02/14 28/08/14	MW-18	Residue on	Lab analysis	Biannual	166	166	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14	MW-18	Evaporation Sodium	Lab analysis	Biannual	26	26	mg/l	W0151-01 EPA	80	No
28/08/14	1011110	Taraba da da da	Laborat da	D'accent	0.2	0.2		Trigger Level	21/2	N.
11/02/14 28/08/14	MW-18	Total Oxidized Nitrogen	Lab analysis	Biannual	0.2	0.2	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-18	Zinc	Lab analysis	Biannual	0.005	0.005	mg/l	W0151-01 EPA Trigger Level	N/A	No
25,00,14					0	#DIV/0!		andi Ecver		
11/02/14	MW-19	Ammoniacal	Lab analysis	Biannual	0.05	0.04	mg/l NH4-N	W0151-01 EPA	N/A	No
28/08/14 11/02/14	MW-19	Nitrogen Chloride	Lab analysis	Biannual	40.1	32.35	mg/l	Trigger Level W0151-01 EPA	70	No
28/08/14			•					Trigger Level		
11/02/14 28/08/14	MW-19	Phenols, Total	Lab analysis	Biannual	0.1	0.1	mg/l	W0151-01 EPA Trigger Level	0.1	No
11/02/14	MW-19	Sulphate	Lab analysis	Biannual	138.74	91.535	mg/l	W0151-01 EPA	140	No
28/08/14								Trigger Level		

Groundwa	ter/Soil m	onitoring ten	nplate		Lic No:	W0151-01		Year	2014	
11/02/14 28/08/14	MW-19	Total Organic Carbon	Lab analysis	Biannual	5	3.5	mg/l	W0151-01 EPA Trigger Level	50	No
11/02/14 28/08/14	MW-19	Colour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-19	Conductivity	Field analysis	Biannual	0.72	0.72	mS/cm	W0151-01 EPA Trigger Level	1	No
11/02/14 28/08/14	MW-19	Dissolved Oxygen	Field analysis	Biannual	9	7.725	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-19	Level, Water	Field analysis	Biannual	14.29	13.67	mOD	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-19	Odour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-19	рН	Field analysis	Biannual	7.6	7.55	рН	W0151-01 EPA Trigger Level	6 <ph<9< td=""><td>No</td></ph<9<>	No
11/02/14 28/08/14	MW-19	Temperature	Field analysis	Biannual	15.9	10.7	оС	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-19	Alkalinity, Total	Lab analysis	Biannual	410	410	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-19	Boron	Lab analysis	Biannual	0.036	0.036	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-19	Cadmium	Lab analysis	Biannual	0.0005	0.0005	mg/l	W0151-01 EPA Trigger Level	0.004	No
11/02/14 28/08/14	MW-19	Calcium	Lab analysis	Biannual	139.5	139.5	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-19	Chromium, Total	Lab analysis	Biannual	0.0015	0.0015	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-19	Coliforms, Faecal	Lab analysis	Biannual	14000	14000	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-19	Coliforms, Total	Lab analysis	Biannual	9400	9400	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-19	Copper	Lab analysis	Biannual	0.007	0.007	mg/l	W0151-01 EPA Trigger Level	0.5	No
11/02/14 28/08/14	MW-19	Cyanide	Lab analysis	Biannual	0.01	0.01	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-19	Fluoride	Lab analysis	Biannual	0.3	0.3	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-19	Iron	Lab analysis	Biannual	0.02	0.02	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-19	Lead	Lab analysis	Biannual	0.005	0.005	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-19	Magnesium	Lab analysis	Biannual	11.9	11.9	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-19	Manganese	Lab analysis	Biannual	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-19	Mercury	Lab analysis	Biannual	0.001	0.001	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-19	Nickel	Lab analysis	Biannual	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-19	Orthophospha tes	Lab analysis	Biannual	0.06	0.06	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-19	Phosphorous, Total	Lab analysis	Biannual	0.252	0.252	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-19	Potassium	Lab analysis	Biannual	2.8	2.8	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-19	Residue on Evaporation	Lab analysis	Biannual	615	615	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-19	Sodium	Lab analysis	Biannual	19.9	19.9	mg/l	W0151-01 EPA Trigger Level	80	No

28,288,74	Groundwa	ater/Soil m	onitoring ten	nplate		Lic No:	W0151-01		Year	2014	
14,007.44 MW-21	11/02/14 28/08/14	MW-19		Lab analysis	Biannual	0.7	0.7	mg/l		N/A	No
1.102/14 NW-21	11/02/14	MW-19	Zinc	Lab analysis	Biannual	0.003	0.003	mg/l		N/A	No
11,002,14	20/00/14					0	#DIV/0!		Trigger Ecver		
27/05/14 Nitrogen	11/02/14	MW-21	Ammoniacal	Lah analysis	Quarterly			mg/I NH4-N	W0151-01 FPA	N/A	No
18/06/14 MW-21 Chloride Lab analysis Quarterly 112 71.275 mg/l W0151-01 EPA 70 No No 70 No 70 No No 70 No No 70 No No No No No No No N		10100 21		Lub undrysis	Quarterly	0.04	0.0323	1116/114114-14		14/74	110
11/10/21/4			Microgen						THEBET LEVEL		
11/02/14											
27/05/14 MW-21 Phenols, Total Lab analysis Quarterly 0.1 0.1 mg/l W0151-01 EPA Trigger Level N/A		MW-21	Chloride	Lab analysis	Quarterly	112	71.275	mg/l	W0151-01 EPA	70	No
1987/14 MW-21				·				<u>o</u> ,	Trigger Level		
13/12/14											
27/05/14 MW-21 Sulphate Lab analysis Quarterly 136.5 82.0825 mg/l W0151-01 EPA 140 No No 7/05/14 MW-21 Total Organic Lab analysis Quarterly S 3 mg/l W0151-01 EPA 50 No No 7/05/14 MW-21 Total Organic Carbon Region	03/12/14										
18/08/14	11/02/14	MW-21	Phenols, Total	Lab analysis	Quarterly	0.1	0.1	mg/l	W0151-01 EPA	0.1	No
MW-21	27/05/14								Trigger Level		
11/02/14 MW-21 Sulphate Lab analysis Quarterly 136.5 82.0825 mg/l W0151-01EPA 140 No No 12/05/14 MW-21 Total Organic Lab analysis Quarterly 5 3 mg/l W0151-01EPA Trigger Level So No No MW-21 MW-21 Corlour Field analysis Quarterly MW-21 MW-21 MW-21 Conductivity Field analysis Quarterly MW-21 MW-21 MW-21 Conductivity Field analysis Quarterly MW-21 MW-21 MW-21 Dissolved Oxygen Oxygen Oxygen MW-21 Godour Field analysis Quarterly MW-21 MW-21 MW-21 Dissolved Oxygen MW-21 Conductivity Field analysis Quarterly MW-21 MW-21 MW-21 MW-21 Dissolved Oxygen MW-21 Conductivity Field analysis Quarterly MW-21 MW-21 MW-21 MW-21 Dissolved Oxygen MW-21 MW-21 Conductivity MW-21 Conductivity MW-21 Odour Field analysis Quarterly MW-21 MW-2	28/08/14										
27/05/14	03/12/14										
1988 1988 1989		MW-21	Sulphate	Lab analysis	Quarterly	136.5	82.0825	mg/l		140	No
13/19/14 MW-21 Total Organic Carbon Carb									Trigger Level		
11/10/214											
27/05/14 Carbon Reger Level Reger Le		NAVA/ 21	Total Organia	Lab analysis	Quartorly	-	2	ma/l	W01E1 01 EDA	FO	No
1988/91-4		10100-21	-	Lab allalysis	Quarterly	5	3	IIIg/I		50	INU
13/12/14			Carbon						i rigger Levei		
MW-21 Colour Field analysis Quarterly MVALUE											
1.00		MW-21	Colour	Field analysis	Quarterly	#VALUE!	#VALUE!	N/A	W0151-01 FPA	N/A	No
18/08/14		10100 21	Coloui	ricia anarysis	Quarterly	"VALUE!	WVALUE:	N/N		14/74	140
13/13 1/4									THESE ECVE		
11/02/14	03/12/14										
28/08/14 03/12/1	11/02/14	MW-21	Conductivity	Field analysis	Quarterly	1.36	1.095	mS/cm	W0151-01 EPA	1	No
11/102/14	27/05/14								Trigger Level		
11/02/14	28/08/14										
Display	03/12/14										
28/08/14 03/12/14 03/		MW-21		Field analysis	Quarterly	9	8.1	mg/l		N/A	No
11/02/14			Oxygen						Trigger Level		
11/02/14 MW-21 Level, Water Field analysis Quarterly 14.06 13.355 mOD W0151-01 EPA Trigger Level W0151-01 EPA W0151-01 EPA Trigger Level W0151-01 EPA Trigger Level W0151-01 EPA W0151-01 EPA Trigger Level W0151-01 EPA W											
Trigger Level		NAVA/ 21	Lovel Water	Field analysis	Quartorly	14.06	12 255	mOD.	W0151 01 EDA	N/A	No
28/08/14 03/12/14 11/02/14		IVI VV-21	Level, water	rielu alialysis	Quarterly	14.00	13.333	טטווו		IN/A	NU
11/02/14 MW-21 Odour Field analysis Quarterly #VALUE! #VALUE! N/A W0151-01 EPA N/A No									mgger Level		
11/02/14 MW-21 Odour Field analysis Quarterly #VALUE! #VALUE! MW-21 N/A W0151-01 EPA N/A No MW-21 Trigger Level Trigger Level MW-21 Trigger Level Trigger Level MW-21 Trigger Level MW-21 Trigger Level MW-21 Temperature Field analysis Quarterly MW-21 MW-21 Temperature Field analysis Quarterly MW-21 Temperature Field analysis Quarterly MW-21 Temperature Field analysis Quarterly MW-21 Trigger Level MW-21 MW-21 Alkalinity, Total Trigger Level Trigger Level MW-21											
Trigger Level		MW-21	Odour	Field analysis	Quarterly	#VALUE!	#VALUE!	N/A	W0151-01 EPA	N/A	No
28/08/14 03/12/14 11/02/14 MW-21 pH Field analysis Quarterly 8 7.55 pH W0151-01 EPA 6 <ph<9 02="" 03="" 05="" 08="" 11="" 11.425="" 12="" 14="" 14.1="" 27="" 28="" 346="" a="" alkalinity,="" analysis="" epa="" field="" l="" lab="" mg="" mw-21="" n="" no="" oc="" quarterly="" td="" temperature="" total<="" w0151-01=""><td>27/05/14</td><td></td><td></td><td>, , , ,</td><td>,</td><td></td><td></td><td>,</td><td></td><td>·</td><td></td></ph<9>	27/05/14			, , , ,	,			,		·	
03/12/14	28/08/14								55 - 4		
11/02/14 MW-21 pH Field analysis Quarterly 8 7.55 pH W0151-01 EPA 6 <ph<9 03="" 05="" 08="" 11.425="" 12="" 14="" 14.1="" 27="" 28="" analysis="" epa="" field="" level="" mw-21="" no="" oc="" quarterly="" td="" temperature="" tr<="" trigger="" w0151-01="" =""><td>03/12/14</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></ph<9>	03/12/14										
28/08/14 03/12/14 11/02/14 MW-21 Temperature Field analysis Quarterly 14.1 11.425 oC W0151-01 EPA Trigger Level 28/08/14 03/12/14 11/02/14 MW-21 Alkalinity, Total Total Alkalinity, Total Alkalinity, Total	11/02/14	MW-21	рН	Field analysis	Quarterly	8	7.55	рН	W0151-01 EPA	6 <ph<9< td=""><td>No</td></ph<9<>	No
03/12/14	27/05/14								Trigger Level		
11/02/14 MW-21 Temperature Field analysis Quarterly 14.1 11.425 OC W0151-01 EPA N/A No No No No No No No N	28/08/14										
Trigger Level	03/12/14										
28/08/14 03/12/14 11/02/14 MW-21 Alkalinity, Lab analysis Quarterly 346 346 mg/l W0151-01 EPA N/A No 27/05/14 Total Trigger Level		MW-21	Temperature	Field analysis	Quarterly	14.1	11.425	оС		N/A	No
03/12/14 03/12/14 11/02/14 MW-21 Alkalinity, Lab analysis Quarterly 346 346 mg/l W0151-01 EPA N/A No No No No No No No N									Trigger Level		
11/02/14 MW-21 Alkalinity, Total Lab analysis Quarterly 346 346 mg/l W0151-01 EPA Trigger Level N/A No 27/05/14 28/08/14 28/08/14 W0151-01 EPA Trigger Level N/A No											
27/05/14 Total Trigger Level Trigger Level		NAVA/ 21	Alkalinity	Lab analysis	Quartorly	246	246	mg/l	W0151 01 EDA	N/A	No
28/08/14		IVI VV-Z1		Lab arialysis	Quarterly	340	340	mg/i		N/A	NO
			ıotaı						i rigger Levei		
	28/08/14 03/12/14										

Groundwa	ater/Soil mo	onitoring ten	nplate		Lic No:	W0151-01		Year	2014	
11/02/14	MW-21	Boron	Lab analysis	Quarterly	0.044	0.044	mg/l	W0151-01 EPA	N/A	No
27/05/14			,,,,	,			O,	Trigger Level	,	
28/08/14										
03/12/14										
11/02/14	MW-21	Cadmium	Lab analysis	Quarterly	0.0005	0.0005	mg/l	W0151-01 EPA	0.004	No
27/05/14			,	,			G,	Trigger Level		
28/08/14								001		
03/12/14										
11/02/14	MW-21	Calcium	Lab analysis	Quarterly	136.6	136.6	mg/l	W0151-01 EPA	N/A	No
27/05/14			,	•			_	Trigger Level	•	
28/08/14										
03/12/14										
11/02/14	MW-21	Chromium,	Lab analysis	Quarterly	0.0015	0.0015	mg/l	W0151-01 EPA	N/A	No
27/05/14		Total						Trigger Level		
28/08/14										
03/12/14										
11/02/14	MW-21	Coliforms,	Lab analysis	Quarterly	1	1	cfus/100ml	W0151-01 EPA	N/A	No
27/05/14		Faecal	·	•				Trigger Level		
28/08/14										
03/12/14										
11/02/14	MW-21	Coliforms,	Lab analysis	Quarterly	1	1	cfus/100ml	W0151-01 EPA	N/A	No
27/05/14		Total						Trigger Level		
28/08/14										
03/12/14										
11/02/14	MW-21	Copper	Lab analysis	Quarterly	0.007	0.007	mg/l	W0151-01 EPA	0.5	No
27/05/14								Trigger Level		
28/08/14										
03/12/14										
11/02/14	MW-21	Cyanide	Lab analysis	Quarterly	0.01	0.01	mg/l	W0151-01 EPA	N/A	No
27/05/14								Trigger Level		
28/08/14										
03/12/14										
11/02/14	MW-21	Fluoride	Lab analysis	Quarterly	0.3	0.3	mg/l	W0151-01 EPA	N/A	No
27/05/14								Trigger Level		
28/08/14										
03/12/14										
11/02/14	MW-21	Iron	Lab analysis	Quarterly	0.02	0.02	mg/l	W0151-01 EPA	N/A	No
27/05/14								Trigger Level		
28/08/14										
03/12/14	A 41/1 0 1	1	Labora 1 d	0	0.00=	0.00=		14/0454 24 557	N/*	
11/02/14	MW-21	Lead	Lab analysis	Quarterly	0.005	0.005	mg/l	W0151-01 EPA	N/A	No
27/05/14								Trigger Level		
28/08/14										
03/12/14	NAVA 24	Magnesium	Lab analissia	OuartI-	0	0	n==/I	W01E1 01 FD4	NI/A	N-
11/02/14	MW-21	Magnesium	Lab analysis	Quarterly	U	l "	mg/l	W0151-01 EPA	N/A	No
27/05/14								Trigger Level		
28/08/14										
03/12/14 11/02/14	MW-21	Manganese	Lab analysis	Quartorly	0.002	0.002	mg/l	W0151-01 EPA	N/A	No
	IVI VV-Z 1	ivialiganese	Lab analysis	Quarterly	0.002	0.002	ing/i		IN/A	NO
27/05/14								Trigger Level		
28/08/14										
03/12/14 11/02/14	MW-21	Mercury	Lab analysis	Ouartorly	0.001	0.001	pa a /I	W0151-01 EPA	N/A	No
	IVI VV-ZI	iviercury	Lab analysis	Quarterly	0.001	0.001	mg/l		N/A	NO
27/05/14								Trigger Level		
28/08/14										
03/12/14	NAVA 21	Nickel	Lab analysis	Ouartorly	0.002	0.003	pa a /I	W/01E1 01 EDA	NI/A	No
11/02/14	MW-21	Nickel	Lab analysis	Quarterly	0.002	0.002	mg/l	W0151-01 EPA	N/A	NO
27/05/14								Trigger Level		
	l	1								
28/08/14 03/12/14										

Groundwa	ater/Soil m	onitoring ten	nplate		Lic No:	W0151-01		Year	2014	l .
11/02/14	MW-21	Orthophospha	Lab analysis	Quarterly	0.06	0.06	mg/l	W0151-01 EPA	N/A	No
27/05/14		tes	,				<u>o</u> ,	Trigger Level		
28/08/14								00		
03/12/14										
11/02/14	MW-21	Phosphorous,	Lab analysis	Quarterly	0.312	0.312	mg/l	W0151-01 EPA	N/A	No
27/05/14		Total		Z,	0.0			Trigger Level		
28/08/14		Total						rrigger Level		
03/12/14 11/02/14	MW-21	Potassium	Lab analysis	Quarterly	3.4	3.4	mg/l	W0151-01 EPA	N/A	No
	IVI VV-21	POLASSIUIII	Lab allalysis	Quarterly	5.4	5.4	IIIg/I		IN/A	INO
27/05/14								Trigger Level		
28/08/14										
03/12/14							,			
11/02/14	MW-21	Residue on	Lab analysis	Quarterly	746	746	mg/l	W0151-01 EPA	N/A	No
27/05/14		Evaporation						Trigger Level		
28/08/14										
03/12/14										
11/02/14	MW-21	Sodium	Lab analysis	Quarterly	39.5	39.5	mg/l	W0151-01 EPA	80	No
27/05/14		i l						Trigger Level		
28/08/14										
03/12/14		<u> </u>			<u> </u>	<u> </u>				
11/02/14	MW-21	Total Oxidized	Lab analysis	Quarterly	26.4	26.4	mg/l	W0151-01 EPA	N/A	No
27/05/14		Nitrogen	. ,			1	G,	Trigger Level	•	
28/08/14		· · · · · · · · · · · · · · · · · · ·						1116661 20101		
03/12/14										
11/02/14	MW-21	Zinc	Lab analysis	Quarterly	0.003	0.003	mg/l	W0151-01 EPA	N/A	No
27/05/14	10100-21	Ziiic	Lab allalysis	Quarterly	0.003	0.003	1116/1	Trigger Level	IV/A	IVO
								rrigger Level		
28/08/14										
03/12/14		+			0	#DIV/0!				
11/02/14	MW-24	Ammoniacal	Lab analysis	Biannual	0.04	0.035	mg/l NH4-N	W0151-01 EPA	N/A	No
28/08/14		Nitrogen						Trigger Level		
11/02/14	MW-24	Chloride	Lab analysis	Biannual	36.5	31.75	mg/l	W0151-01 EPA	70	No
28/08/14								Trigger Level		
11/02/14	MW-24	Phenols, Total	Lab analysis	Biannual	0.1	0.1	mg/l	W0151-01 EPA	0.1	No
28/08/14								Trigger Level		
11/02/14	MW-24	Sulphate	Lab analysis	Biannual	33.91	32.925	mg/l	W0151-01 EPA	140	No
28/08/14								Trigger Level		
11/02/14	MW-24	Total Organic	Lab analysis	Biannual	3	2.5	mg/l	W0151-01 EPA	50	No
28/08/14		Carbon						Trigger Level		
		<u> </u>			<u> </u>	<u> </u>				
11/02/14	MW-24	Colour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA	N/A	No
28/08/14							,	Trigger Level	•	
11/02/14	MW-24	Conductivity	Field analysis	Biannual	0.8	0.71	mS/cm	W0151-01 EPA	1	No
28/08/14								Trigger Level	=	
11/02/14	MW-24	Dissolved	Field analysis	Biannual	9	8.685	mg/l	W0151-01 EPA	N/A	No
28/08/14	2-7	Oxygen	. icia alialysis	Sidifficult		5.005	.118/1	Trigger Level	//	140
11/02/14	MW-24	Level, Water	Field analysis	Biannual	12.91	12.135	mOD	W0151-01 EPA	N/A	No
28/08/14	1V1 VV - Z-4	Level, water	r iciu ariarysis	Diamilia	12.71	12.133	11100	Trigger Level	11/17	140
11/02/14	MW-24	Odour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA	N/A	No
	IVI VV-Z4	Ouour	rieiu analysis	Didiffludi	#VALUE!	#VALUE!	N/A		IV/A	INO
28/08/14	101/26	+	ends and a	D'anna al	7.6	7.25		Trigger Level	6	
11/02/14	MW-24	pН	Field analysis	Biannual	7.6	7.35	pН	W0151-01 EPA	6 <ph<9< td=""><td>No</td></ph<9<>	No
28/08/14		+						Trigger Level		
11/02/14	MW-24	Temperature	Field analysis	Biannual	13.6	10.55	оС	W0151-01 EPA	N/A	No
28/08/14		1						Trigger Level		
11/02/14	MW-24	Alkalinity,	Lab analysis	Biannual	402	402	mg/l	W0151-01 EPA	N/A	No
28/08/14		Total						Trigger Level		
	MW-24	Boron	Lab analysis	Biannual	0.03	0.03	mg/l	W0151-01 EPA	N/A	No
11/02/14						1		Trigger Level		
11/02/14										
	MW-24	Cadmium	Lab analysis	Biannual	0.0005	0.0005	mg/l	W0151-01 EPA	0.004	No

Groundwa	ter/Soil m	onitoring ten	nplate		Lic No:	W0151-01		Year	2014	
11/02/14 28/08/14	MW-24	Calcium	Lab analysis	Biannual	136.2	136.2	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-24	Chromium, Total	Lab analysis	Biannual	0.0015	0.0015	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-24	Coliforms, Faecal	Lab analysis	Biannual	1	1	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-24	Coliforms, Total	Lab analysis	Biannual	1	1	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-24	Copper	Lab analysis	Biannual	0.007	0.007	mg/l	W0151-01 EPA Trigger Level	0.5	No
11/02/14 28/08/14	MW-24	Cyanide	Lab analysis	Biannual	0.01	0.01	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-24	Fluoride	Lab analysis	Biannual	0.3	0.3	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-24	Iron	Lab analysis	Biannual	0.02	0.02	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-24	Lead	Lab analysis	Biannual	0.005	0.005	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-24	Magnesium	Lab analysis	Biannual	13.7	13.7	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-24	Manganese	Lab analysis	Biannual	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-24	Mercury	Lab analysis	Biannual	0.001	0.001	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-24	Nickel	Lab analysis	Biannual	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-24	Orthophospha tes	Lab analysis	Biannual	0.06	0.06	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-24	Phosphorous, Total	Lab analysis	Biannual	0.054	0.054	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-24	Potassium	Lab analysis	Biannual	3.3	3.3	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-24	Residue on Evaporation	Lab analysis	Biannual	459	459	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-24	Sodium	Lab analysis	Biannual	20.4	20.4	mg/l	W0151-01 EPA Trigger Level	80	No
11/02/14 28/08/14	MW-24	Total Oxidized Nitrogen	Lab analysis	Biannual	5.5	5.5	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-24	Zinc	Lab analysis	Biannual	0.003	0.003	mg/l	W0151-01 EPA Trigger Level	N/A	No
					0	#DIV/0!				
11/02/14 28/08/14	MW-25	Ammoniacal Nitrogen	Lab analysis	Biannual	0.08	0.055	mg/l NH4-N	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-25	Chloride	Lab analysis	Biannual	39.7	31.95	mg/l	W0151-01 EPA Trigger Level	70	No
11/02/14 28/08/14	MW-25	Phenols, Total	Lab analysis	Biannual	1	0.55	mg/l	W0151-01 EPA Trigger Level	0.1	No
11/02/14 28/08/14	MW-25	Sulphate	Lab analysis	Biannual	40.39	27.985	mg/l	W0151-01 EPA Trigger Level	140	No
11/02/14 28/08/14	MW-25	Total Organic Carbon	Lab analysis	Biannual	50	26	mg/l	W0151-01 EPA Trigger Level	50	No
11/02/14 28/08/14	MW-25	Colour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-25	Conductivity	Field analysis	Biannual	0.82	0.58	mS/cm	W0151-01 EPA Trigger Level	1	No
11/02/14 28/08/14	MW-25	Dissolved Oxygen	Field analysis	Biannual	9	6.905	mg/l	W0151-01 EPA Trigger Level	N/A	No

Groundwa	ter/Soil m	onitoring ten	nplate		Lic No:	W0151-01		Year	2014	
11/02/14 28/08/14	MW-25	Level, Water	Field analysis	Biannual	12.8	12.055	mOD	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-25	Odour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-25	рН	Field analysis	Biannual	7.6	7.5	рН	W0151-01 EPA Trigger Level	6 <ph<9< td=""><td>No</td></ph<9<>	No
11/02/14 28/08/14	MW-25	Temperature	Field analysis	Biannual	15.8	11.75	оС	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-25	Alkalinity, Total	Lab analysis	Biannual	166	166	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-25	Boron	Lab analysis	Biannual	0.012	0.012	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-25	Cadmium	Lab analysis	Biannual	0.0005	0.0005	mg/l	W0151-01 EPA Trigger Level	0.004	No
11/02/14 28/08/14	MW-25	Calcium	Lab analysis	Biannual	63.9	63.9	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-25	Chromium, Total	Lab analysis	Biannual	0.0015	0.0015	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-25	Coliforms, Faecal	Lab analysis	Biannual	1	1	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-25	Coliforms, Total	Lab analysis	Biannual	7	7	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-25	Copper	Lab analysis	Biannual	0.016	0.016	mg/l	W0151-01 EPA Trigger Level	0.5	No
11/02/14 28/08/14	MW-25	Cyanide	Lab analysis	Biannual	0.01	0.01	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-25	Fluoride	Lab analysis	Biannual	0.3	0.3	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-25	Iron	Lab analysis	Biannual	0.052	0.052	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-25	Lead	Lab analysis	Biannual	0.005	0.005	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-25	Magnesium	Lab analysis	Biannual	3.6	3.6	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-25	Manganese	Lab analysis	Biannual	0.01	0.01	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-25	Mercury	Lab analysis	Biannual	0.001	0.001	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-25	Nickel	Lab analysis	Biannual	0.007	0.007	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-25	Orthophospha tes	Lab analysis	Biannual	0.06	0.06	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-25	Phosphorous, Total	Lab analysis	Biannual	0.128	0.128	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-25	Potassium	Lab analysis	Biannual	10.1	10.1	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-25	Residue on Evaporation	Lab analysis	Biannual	323	323	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-25	Sodium	Lab analysis	Biannual	8.6	8.6	mg/l	W0151-01 EPA Trigger Level	80	No
11/02/14 28/08/14	MW-25	Total Oxidized Nitrogen	Lab analysis	Biannual	0.2	0.2	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-25	Zinc	Lab analysis	Biannual	0.005	0.005	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14	TW-2	Ammoniacal	Lab analysis	Biannual	4.5	#DIV/0! 4.31	mg/l NH4-N	W0151-01 EPA	N/A	No
28/08/14 11/02/14 28/08/14	TW-2	Nitrogen Chloride	Lab analysis	Biannual	25.6	24.9	mg/l	Trigger Level W0151-01 EPA Trigger Level	70	No

roundwat	ter/Soil m	onitoring ten	plate		Lic No:	W0151-01		Year	2014	
11/02/14 28/08/14	TW-2	Phenols, Total	Lab analysis	Biannual	0.1	0.1	mg/l	W0151-01 EPA Trigger Level	0.1	No
11/02/14	TW-2	Sulphate	Lab analysis	Biannual	0.29	0.17	mg/l	W0151-01 EPA	140	No
28/08/14 11/02/14	TW-2	Total Organic	Lab analysis	Biannual	2	2	mg/l	Trigger Level W0151-01 EPA	50	No
28/08/14	100-2	Carbon	Lab allalysis	biaiiiiuai	2	2	mg/1	Trigger Level	30	NO
11/02/14	TW-2	Colour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA	N/A	No
28/08/14 11/02/14	TW-2	Conductivity	Field analysis	Biannual	0.3	0.295	mS/cm	Trigger Level W0151-01 EPA	1	No
28/08/14 11/02/14	TW-2	Dissolved	Field analysis	Biannual	9	5.755	mg/l	Trigger Level W0151-01 EPA	N/A	No
28/08/14 11/02/14	TW-2	Oxygen Level, Water	Field analysis	Biannual	14.69	14.015	mOD	Trigger Level W0151-01 EPA	N/A	No
28/08/14 11/02/14	TW-2	Odour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	Trigger Level W0151-01 EPA	N/A	No
28/08/14 11/02/14	TW-2	рН	Field analysis	Biannual	10.3	9.85	рН	Trigger Level W0151-01 EPA	6 <ph<9< td=""><td>No</td></ph<9<>	No
28/08/14 11/02/14	TW-2	Temperature	Field analysis	Biannual	12.3	10.45	оС	Trigger Level W0151-01 EPA	N/A	No
28/08/14 11/02/14	TW-2	Boron	Lab analysis	Biannual	0.027	0.027	mg/l	Trigger Level W0151-01 EPA	N/A	No
28/08/14 11/02/14	TW-2	Cadmium	Lab analysis	Biannual	0.0005	0.0005	mg/l	Trigger Level W0151-01 EPA	0.004	No
28/08/14 11/02/14	TW-2	Calcium	Lab analysis	Biannual	4.5	4.5	mg/l	Trigger Level W0151-01 EPA	N/A	No
28/08/14 11/02/14	TW-2	Chromium,	Lab analysis	Biannual	0.0015	0.0015	mg/l	Trigger Level W0151-01 EPA	N/A	No
28/08/14 11/02/14	TW-2	Total Coliforms,	Lab analysis	Biannual	1	1	cfus/100ml	Trigger Level W0151-01 EPA	N/A	No
28/08/14 11/02/14	TW-2	Faecal Coliforms,	Lab analysis	Biannual	1	1	cfus/100ml	Trigger Level W0151-01 EPA	N/A	No
28/08/14 11/02/14	TW-2	Total Copper	Lab analysis	Biannual	0.007	0.007	mg/l	Trigger Level W0151-01 EPA	0.5	No
28/08/14 11/02/14	TW-2	Cyanide	Lab analysis	Biannual	0.007	0.01	mg/l	Trigger Level W0151-01 EPA	N/A	No
28/08/14		· ·	·				-	Trigger Level	·	
11/02/14 28/08/14	TW-2	Fluoride	Lab analysis	Biannual	0.3	0.3	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	TW-2	Iron	Lab analysis	Biannual	0.02	0.02	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	TW-2	Lead	Lab analysis	Biannual	0.005	0.005	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	TW-2	Magnesium	Lab analysis	Biannual	10.5	10.5	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	TW-2	Manganese	Lab analysis	Biannual	0.012	0.012	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	TW-2	Mercury	Lab analysis	Biannual	0.001	0.001	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	TW-2	Nickel	Lab analysis	Biannual	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	TW-2	Orthophospha tes	Lab analysis	Biannual	0.06	0.06	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	TW-2	Potassium	Lab analysis	Biannual	4.4	4.4	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	TW-2	Residue on	Lab analysis	Biannual	436	436	mg/l	W0151-01 EPA	N/A	No
11/02/14	TW-2	Evaporation Sodium	Lab analysis	Biannual	33.9	33.9	mg/l	W0151-01 EPA	80	No
28/08/14 11/02/14	TW-2	Alkalinity,	Lab analysis	Biannual	146	146	mg/l	Trigger Level W0151-01 EPA	N/A	No

Groundy	water/Soil mo	nitoring ten	nplate		Lic No:	W0151-01		Year	2014	
11/02/14 28/08/14		Total Oxidized Nitrogen	Lab analysis	Biannual	0.2	0.2	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14		Phosphorous, Total	Lab analysis	Biannual	0.037	0.037	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	TW-2	Zinc	Lab analysis	Biannual	0.003	0.003	mg/l	W0151-01 EPA Trigger Level	N/A	No

^{.+} where average indicates arithmetic mean

Table 2: Downgradient Groundwater monitoring results

Table 2. D	owngraulen	t Groundwa	iter monitori	ng resuits			1	ı	I	
	Sample									Upward trend in yearly average pollutant concentration
Date of sampling	location reference	Parameter/ Substance		Monitoring frequency	Maximum Concentration	Average Concentration	unit	GTV's*	SELECT**	over last 5 years of monitoring data
11/02/14 27/05/14 28/08/14 03/12/14	MW-1	Ammoniacal Nitrogen	Lab analysis	Quarterly	0.09	0.0725	mg/l NH4-N	W0151-01 EPA Trigger Level	N/A	No
11/02/14 27/05/14 28/08/14 03/12/14	MW-1	Chloride	Lab analysis	Quarterly	12.3	11.325	mg/l	W0151-01 EPA Trigger Level	70	No
11/02/14 27/05/14 28/08/14 03/12/14 11/02/14	MW-1	Phenols, Total	Lab analysis	Quarterly	0.1	0.1	mg/l	W0151-01 EPA Trigger Level	0.1	No
11/02/14 27/05/14 28/08/14 03/12/14 11/02/14	MW-1	Sulphate	Lab analysis	Quarterly	3.93	1.4525	mg/l	W0151-01 EPA Trigger Level	140	No
27/05/14 28/08/14 03/12/14	MW-1	Total Organic Carbon	Lab analysis	Quarterly	2	2	mg/l	W0151-01 EPA Trigger Level	50	No
11/02/14 27/05/14 28/08/14 03/12/14	MW-1	Colour	Field analysis	Quarterly	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No
11/02/14 27/05/14 28/08/14 03/12/14	MW-1	Conductivity	Field analysis	Quarterly	0.76	0.57	mS/cm	W0151-01 EPA Trigger Level	1	No
11/02/14 27/05/14 28/08/14 03/12/14	MW-1	Dissolved Oxygen	Field analysis	Quarterly	9	7.0375	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 27/05/14 28/08/14 03/12/14	MW-1	Level, Water	Field analysis	Quarterly	15.16	14.8975	mOD	W0151-01 EPA Trigger Level	N/A	No
11/02/14 27/05/14 28/08/14 03/12/14	MW-1	Odour	Field analysis	Quarterly	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No

^{.++} maximum concentration indicates the maximum measured concentration from all monitoring results produced during the reporting year

Groundwa	ater/Soil mo	onitoring ten	nnlate		Lic No:	W0151-01		Year	2014	
11/02/14		into ing ten	.p.ucc		LIC NO.	1,0101 01		Tear	2014	
27/05/14								W0151-01 EPA		
28/08/14	MW-1	pН	Field analysis	Quarterly	8.4	8.125	pН	Trigger Level	6 <ph<9< td=""><td>No</td></ph<9<>	No
								rrigger Level		
03/12/14 11/02/14		1				 				
27/05/14								W0151-01 EPA		
	MW-1	Temperature	Field analysis	Quarterly	13.5	11.775	оС	Trigger Level	N/A	No
28/08/14								rrigger Level		
03/12/14 11/02/14		1								
27/05/14		Alkalinity,						W0151-01 EPA		
28/08/14	MW-1	Total	Lab analysis	Quarterly	430	430	mg/l	Trigger Level	N/A	No
03/12/14		TOLAI						rrigger Level		
11/02/14		1								
27/05/14								W0151-01 EPA		
28/08/14	MW-1	Boron	Lab analysis	Quarterly	0.029	0.029	mg/l	Trigger Level	N/A	No
03/12/14		1						mgger Lever		
11/02/14		+ -				 				
27/05/14		1						W0151-01 EPA		
28/08/14	MW-1	Cadmium	Lab analysis	Quarterly	0.0005	0.0005	mg/l	Trigger Level	0.004	No
03/12/14								mgger Lever		
11/02/14		1								
27/05/14		1						W0151-01 EPA		
28/08/14	MW-1	Calcium	Lab analysis	Quarterly	46.1	46.1	mg/l	Trigger Level	N/A	No
03/12/14		1						THESE LEVEL		
11/02/14										
27/05/14		Chromium,						W0151-01 EPA		
28/08/14	MW-1	Total	Lab analysis	Quarterly	0.0015	0.0015	mg/l	Trigger Level	N/A	No
03/12/14		10141						. Hobel Level		
11/02/14		1								
27/05/14		Coliforms,					4 (1.55)	W0151-01 EPA		
28/08/14	MW-1	Faecal	Lab analysis	Quarterly	1	1	cfus/100ml	Trigger Level	N/A	No
03/12/14								00		
11/02/14		1								
27/05/14		Coliforms,						W0151-01 EPA		
28/08/14	MW-1	Total	Lab analysis	Quarterly	1	1	cfus/100ml	Trigger Level	N/A	No
03/12/14								00		
11/02/14										
27/05/14	NAVA / 1	Corre	Lab analissia	OuartI.	0.007	0.007	m=/I	W0151-01 EPA	0.5	NI-
28/08/14	MW-1	Copper	Lab analysis	Quarterly	0.007	0.007	mg/l	Trigger Level	0.5	No
03/12/14										
11/02/14										
27/05/14	MW-1	Cyanide	Lab analysis	Quartorly	0.01	0.01	mg/l	W0151-01 EPA	N/A	No
28/08/14	IVI VV-T	Cyaniue	Lab analysis	Quarterly	0.01	0.01	mg/l	Trigger Level	IN/A	NU
03/12/14										
11/02/14								· · · · · · · · · · · · · · · · · · ·		
27/05/14	MW-1	Fluoride	Lab analysis	Quarterly	0.3	0.3	mg/l	W0151-01 EPA	N/A	No
28/08/14	IAIAA_T	Hadride	Lab analysis	Quarterry	0.5	0.5	1118/1	Trigger Level	IV/A	INU
03/12/14 11/02/14		1				ļ				
		1								
27/05/14	MW-1	Iron	Lab analysis	Quarterly	0.02	0.02	mg/l	W0151-01 EPA	N/A	No
28/08/14	14144 1		230 011019313	Quarterry	0.02	0.02	1116/1	Trigger Level	19/6	110
03/12/14		1								
11/02/14		1								
27/05/14	MW-1	Lead	Lab analysis	Quarterly	0.005	0.005	mg/l	W0151-01 EPA	N/A	No
28/08/14		2000		Qua,	0.005	0.003	'''ס'''	Trigger Level	,	
03/12/14		1				ļ				
11/02/14		1								
27/05/14		Magnesium	Lab analysis	Quarterly	42.3	42.3	mg/l	W0151-01 EPA	N/A	No
	IVIVV-1									
28/08/14 03/12/14	MW-1	Widgitestatti	Lab analysis	Z,			G,	Trigger Level		

Groundwa	iter/Soil mo	onitoring ten	nplate		Lic No:	W0151-01		Year	2014		
11/02/14 27/05/14 28/08/14 03/12/14	MW-1	Manganese	Lab analysis	Quarterly	0.372	0.372	mg/l	W0151-01 EPA Trigger Level	N/A	No	
11/02/14 27/05/14 28/08/14 03/12/14	MW-1	Mercury	Lab analysis	Quarterly	0.001	0.001	mg/l	W0151-01 EPA Trigger Level	N/A	No	
11/02/14 27/05/14 28/08/14 03/12/14	MW-1	Nickel	Lab analysis	Quarterly	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No	
11/02/14 27/05/14 28/08/14 03/12/14	MW-1	Orthophospha tes	Lab analysis	Quarterly	0.06	0.06	mg/l	W0151-01 EPA Trigger Level	N/A	No	
11/02/14 27/05/14 28/08/14 03/12/14	MW-1	Phosphorous, Total	Lab analysis	Quarterly	0.041	0.041	mg/l	W0151-01 EPA Trigger Level	N/A	No	
11/02/14 27/05/14 28/08/14 03/12/14	MW-1	Potassium	Lab analysis	Quarterly	3.6	3.6	mg/l	W0151-01 EPA Trigger Level	N/A	No	
11/02/14 27/05/14 28/08/14 03/12/14	MW-1	Residue on Evaporation	Lab analysis	Quarterly	386	386	mg/l	W0151-01 EPA Trigger Level	N/A	No	
11/02/14 27/05/14 28/08/14 03/12/14	MW-1	Sodium	Lab analysis	Quarterly	46.8	46.8	mg/l	W0151-01 EPA Trigger Level	80	No	
11/02/14 27/05/14 28/08/14 03/12/14	MW-1	Total Oxidized Nitrogen	Lab analysis	Quarterly	0.2	0.2	mg/l	W0151-01 EPA Trigger Level	N/A	No	
11/02/14 27/05/14 28/08/14 03/12/14	MW-1	Zinc	Lab analysis	Quarterly	0.003	0.003	mg/l	W0151-01 EPA Trigger Level	N/A	No	
				·	0	#DIV/0!					l
11/02/14 28/08/14	MW-2	Ammoniacal Nitrogen	Lab analysis	Biannual	0.09	0.06	mg/l NH4-N	W0151-01 EPA Trigger Level	N/A	No	
11/02/14 28/08/14	MW-2	Chloride	Lab analysis	Biannual	24.4	22.95	mg/l	W0151-01 EPA Trigger Level	70	No	
11/02/14	MW-2	Phenols, Total	Lab analysis	Biannual	0.1	0.1	mg/l	W0151-01 EPA	0.1	No	
28/08/14 11/02/14	MW-2	Sulphate	Lab analysis	Biannual	72.16	57.005	mg/l	Trigger Level W0151-01 EPA	140	No	
28/08/14 11/02/14 28/08/14	MW-2	Total Organic Carbon	Lab analysis	Biannual	2	2	mg/l	Trigger Level W0151-01 EPA Trigger Level	50	No	
11/02/14 28/08/14	MW-2	Colour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No	
11/02/14 28/08/14	MW-2	Conductivity	Field analysis	Biannual	0.34	0.295	mS/cm	W0151-01 EPA Trigger Level	1	No	
11/02/14 28/08/14	MW-2	Dissolved Oxygen	Field analysis	Biannual	9	6.185	mg/l	W0151-01 EPA Trigger Level	N/A	No	
11/02/14 28/08/14	MW-2	Level, Water	Field analysis	Biannual	12.72	12.36	mOD	W0151-01 EPA Trigger Level	N/A	No	

Groundwa	ater/Soil mo	onitoring ten	nplate		Lic No:	W0151-01		Year	2014	
11/02/14 28/08/14	MW-2	Odour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-2	рН	Field analysis	Biannual	9.5	8.6	рН	W0151-01 EPA Trigger Level	6 <ph<9< td=""><td>No</td></ph<9<>	No
11/02/14 28/08/14	MW-2	Temperature	Field analysis	Biannual	14.3	11.75	оС	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-2	Alkalinity, Total	Lab analysis	Biannual	78	78	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-2	Boron	Lab analysis	Biannual	0.012	0.012	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-2	Cadmium	Lab analysis	Biannual	0.0005	0.0005	mg/l	W0151-01 EPA Trigger Level	0.004	No
11/02/14 28/08/14	MW-2	Calcium	Lab analysis	Biannual	24.2	24.2	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-2	Chromium, Total	Lab analysis	Biannual	0.0015	0.0015	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-2	Coliforms, Faecal	Lab analysis	Biannual	1	1	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-2	Coliforms, Total	Lab analysis	Biannual	1	1	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-2	Copper	Lab analysis	Biannual	0.007	0.007	mg/l	W0151-01 EPA Trigger Level	0.5	No
11/02/14 28/08/14	MW-2	Cyanide	Lab analysis	Biannual	0.01	0.01	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-2	Fluoride	Lab analysis	Biannual	0.3	0.3	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-2	Iron	Lab analysis	Biannual	0.097	0.097	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-2	Lead	Lab analysis	Biannual	0.005	0.005	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-2	Magnesium	Lab analysis	Biannual	6.5	6.5	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-2	Manganese	Lab analysis	Biannual	0.139	0.139	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-2	Mercury	Lab analysis	Biannual	0.001	0.001	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-2	Nickel	Lab analysis	Biannual	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-2	Orthophospha tes	Lab analysis	Biannual	0.06	0.06	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-2	Phosphorous, Total	Lab analysis	Biannual	0.085	0.085	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-2	Potassium	Lab analysis	Biannual	3.2	3.2	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-2	Residue on Evaporation	Lab analysis	Biannual	307	307	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-2	Sodium	Lab analysis	Biannual	21.2	21.2	mg/l	W0151-01 EPA Trigger Level	80	No
11/02/14 28/08/14	MW-2	Total Oxidized Nitrogen	Lab analysis	Biannual	0.2	0.2	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-2	Zinc	Lab analysis	Biannual	0.003	0.003	mg/l	W0151-01 EPA Trigger Level	N/A	No
			_		0	#DIV/0!				
11/02/14 28/08/14	MW-3	Ammoniacal Nitrogen	Lab analysis	Biannual	2.08	1.06	mg/I NH4-N	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-3	Chloride	Lab analysis	Biannual	25.6	24.7	mg/l	W0151-01 EPA Trigger Level	70	No
11/02/14 28/08/14	MW-3	Phenols, Total	Lab analysis	Biannual	0.1	0.1	mg/l	W0151-01 EPA Trigger Level	0.1	No

Groundwa	ter/Soil mo	onitoring ten	nplate		Lic No:	W0151-01		Year	2014	
11/02/14 28/08/14	MW-3	Sulphate	Lab analysis	Biannual	33.01	29.945	mg/l	W0151-01 EPA Trigger Level	140	No
11/02/14 28/08/14	MW-3	Total Organic Carbon	Lab analysis	Biannual	6	4.5	mg/l	W0151-01 EPA Trigger Level	50	No
11/02/14 28/08/14	MW-3	Colour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-3	Conductivity	Field analysis	Biannual	0.57	0.565	mS/cm	W0151-01 EPA Trigger Level	1	No
11/02/14 28/08/14	MW-3	Dissolved Oxygen	Field analysis	Biannual	8.14	7.57	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-3	Level, Water	Field analysis	Biannual	11.65	11.65	mOD	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-3	Odour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-3	рН	Field analysis	Biannual	7.9	7.75	рН	W0151-01 EPA Trigger Level	6 <ph<9< td=""><td>No</td></ph<9<>	No
11/02/14 28/08/14	MW-3	Temperature	Field analysis	Biannual	12.6	11.15	оС	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-3	Alkalinity, Total	Lab analysis	Biannual	284	284	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-3	Boron	Lab analysis	Biannual	0.02	0.02	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-3	Cadmium	Lab analysis	Biannual	0.0005	0.0005	mg/l	W0151-01 EPA Trigger Level	0.004	No
11/02/14 28/08/14	MW-3	Calcium	Lab analysis	Biannual	97.7	97.7	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-3	Chromium, Total	Lab analysis	Biannual	0.0015	0.0015	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-3	Coliforms, Faecal	Lab analysis	Biannual	13	13	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-3	Coliforms, Total	Lab analysis	Biannual	55	55	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-3	Copper	Lab analysis	Biannual	0.007	0.007	mg/l	W0151-01 EPA Trigger Level	0.5	No
11/02/14 28/08/14	MW-3	Cyanide	Lab analysis	Biannual	0.02	0.02	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-3	Fluoride	Lab analysis	Biannual	0.3	0.3	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-3	Iron	Lab analysis	Biannual	0.02	0.02	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-3	Lead	Lab analysis	Biannual	0.005	0.005	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-3	Magnesium	Lab analysis	Biannual	6.4	6.4	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-3	Manganese	Lab analysis	Biannual	0.091	0.091	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-3	Mercury	Lab analysis	Biannual	0.001	0.001	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-3	Nickel	Lab analysis	Biannual	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-3	Orthophospha tes	Lab analysis	Biannual	0.35	0.35	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-3	Phosphorous, Total	Lab analysis	Biannual	0.545	0.545	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-3	Potassium	Lab analysis	Biannual	3.1	3.1	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-3	Residue on Evaporation	Lab analysis	Biannual	392	392	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-3	Sodium	Lab analysis	Biannual	13.2	13.2	mg/l	W0151-01 EPA Trigger Level	80	No

Groundw	ater/Soil m	onitoring ten	nplate		Lic No:	W0151-01		Year	2014	
11/02/14 28/08/14	MW-3	Total Oxidized Nitrogen	Lab analysis	Biannual	0.2	0.2	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-3	Zinc	Lab analysis	Biannual	0.003	0.003	mg/l	W0151-01 EPA Trigger Level	N/A	No
					0	#DIV/0!				
11/02/14 28/08/14	MW-4	Ammoniacal Nitrogen	Lab analysis	Biannual	0.97	0.7	mg/l NH4-N	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-4	Chloride	Lab analysis	Biannual	39.2	36.7	mg/l	W0151-01 EPA Trigger Level	70	No
11/02/14 28/08/14	MW-4	Phenols, Total	Lab analysis	Biannual	0.1	0.1	mg/l	W0151-01 EPA Trigger Level	0.1	No
11/02/14 28/08/14	MW-4	Sulphate	Lab analysis	Biannual	82.48	77.55	mg/l	W0151-01 EPA Trigger Level	140	No
11/02/14 28/08/14	MW-4	Total Organic Carbon	Lab analysis	Biannual	4	3	mg/l	W0151-01 EPA Trigger Level	50	No
11/02/14 28/08/14	MW-4	Colour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-4	Conductivity	Field analysis	Biannual	0.88	0.845	mS/cm	W0151-01 EPA Trigger Level	1	No
11/02/14 28/08/14	MW-4	Dissolved Oxygen	Field analysis	Biannual	9	5.935	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-4	Level, Water	Field analysis	Biannual	12.67	12.135	mOD	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-4	Odour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-4	рН	Field analysis	Biannual	7.5	7.35	рН	W0151-01 EPA Trigger Level	6 <ph<9< td=""><td>No</td></ph<9<>	No
11/02/14 28/08/14	MW-4	Temperature	Field analysis	Biannual	11.8	10.75	оС	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-4	Alkalinity, Total	Lab analysis	Biannual	348	348	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-4	Boron	Lab analysis	Biannual	0.053	0.053	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-4	Cadmium	Lab analysis	Biannual	0.0005	0.0005	mg/l	W0151-01 EPA Trigger Level	0.004	No
11/02/14 28/08/14	MW-4	Calcium	Lab analysis	Biannual	115.8	115.8	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-4	Chromium, Total	Lab analysis	Biannual	0.0015	0.0015	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-4	Coliforms, Faecal	Lab analysis	Biannual	1	1	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-4	Coliforms, Total	Lab analysis	Biannual	1	1	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-4	Copper	Lab analysis	Biannual	0.007	0.007	mg/l	W0151-01 EPA Trigger Level	0.5	No
11/02/14 28/08/14	MW-4	Cyanide	Lab analysis	Biannual	0.01	0.01	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-4	Fluoride	Lab analysis	Biannual	0.3	0.3	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-4	Iron	Lab analysis	Biannual	0.028	0.028	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-4	Lead	Lab analysis	Biannual	0.005	0.005	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-4	Magnesium	Lab analysis	Biannual	15.6	15.6	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-4	Manganese	Lab analysis	Biannual	0.71	0.71	mg/l	W0151-01 EPA Trigger Level	N/A	No

Groundw	ater/Soil m	onitoring ten	nplate		Lic No:	W0151-01		Year	2014	
11/02/14 28/08/14	MW-4	Mercury	Lab analysis	Biannual	0.001	0.001	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-4	Nickel	Lab analysis	Biannual	0.006	0.006	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-4	Orthophospha tes	Lab analysis	Biannual	0.06	0.06	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-4	Phosphorous, Total	Lab analysis	Biannual	0.098	0.098	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-4	Potassium	Lab analysis	Biannual	7.1	7.1	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-4	Residue on Evaporation	Lab analysis	Biannual	639	639	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-4	Sodium	Lab analysis	Biannual	27.9	27.9	mg/l	W0151-01 EPA Trigger Level	80	No
11/02/14 28/08/14	MW-4	Total Oxidized Nitrogen	Lab analysis	Biannual	0.2	0.2	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-4	Zinc	Lab analysis	Biannual	0.003	0.003	mg/l	W0151-01 EPA Trigger Level	N/A	No
28/08/14					0	#DIV/0!		rrigger Level		
11/02/14 28/08/14	MW-5	Ammoniacal Nitrogen	Lab analysis	Biannual	0.19	0.11	mg/l NH4-N	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-5	Chloride	Lab analysis	Biannual	36.6	33.25	mg/l	W0151-01 EPA Trigger Level	70	No
11/02/14 28/08/14	MW-5	Phenols, Total	Lab analysis	Biannual	0.1	0.1	mg/l	W0151-01 EPA Trigger Level	0.1	No
11/02/14 28/08/14	MW-5	Sulphate	Lab analysis	Biannual	82.43	66.575	mg/l	W0151-01 EPA Trigger Level	140	No
11/02/14 28/08/14	MW-5	Total Organic Carbon	Lab analysis	Biannual	2	2	mg/l	W0151-01 EPA Trigger Level	50	No
11/02/14 28/08/14	MW-5	Colour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-5	Conductivity	Field analysis	Biannual	0.76	0.695	mS/cm	W0151-01 EPA Trigger Level	1	No
11/02/14 28/08/14	MW-5	Dissolved Oxygen	Field analysis	Biannual	9	7.775	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-5	Level, Water	Field analysis	Biannual	12.89	12.425	mOD	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-5	Odour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-5	рН	Field analysis	Biannual	7.7	7.7	рН	W0151-01 EPA Trigger Level	6 <ph<9< td=""><td>No</td></ph<9<>	No
11/02/14 28/08/14	MW-5	Temperature	Field analysis	Biannual	13.3	9.9	оС	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-5	Alkalinity, Total	Lab analysis	Biannual	304	304	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-5	Boron	Lab analysis	Biannual	0.05	0.05	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-5	Cadmium	Lab analysis	Biannual	0.0005	0.0005	mg/l	W0151-01 EPA Trigger Level	0.004	No
11/02/14 28/08/14	MW-5	Calcium	Lab analysis	Biannual	115.9	115.9	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-5	Chromium, Total	Lab analysis	Biannual	0.0015	0.0015	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-5	Coliforms, Faecal	Lab analysis	Biannual	1	1	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-5	Coliforms, Total	Lab analysis	Biannual	88	88	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No

Groundwa	iter/Soil m	onitoring ten	nplate		Lic No:	W0151-01		Year	2014	
11/02/14 28/08/14	MW-5	Copper	Lab analysis	Biannual	0.007	0.007	mg/l	W0151-01 EPA Trigger Level	0.5	No
11/02/14 28/08/14	MW-5	Cyanide	Lab analysis	Biannual	0.01	0.01	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-5	Fluoride	Lab analysis	Biannual	0.3	0.3	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-5	Iron	Lab analysis	Biannual	0.02	0.02	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-5	Lead	Lab analysis	Biannual	0.05	0.05	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-5	Magnesium	Lab analysis	Biannual	15.3	15.3	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-5	Manganese	Lab analysis	Biannual	0.201	0.201	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-5	Mercury	Lab analysis	Biannual	0.001	0.001	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-5	Nickel	Lab analysis	Biannual	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-5	Orthophospha tes	Lab analysis	Biannual	0.06	0.06	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-5	Phosphorous, Total	Lab analysis	Biannual	0.042	0.042	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-5	Potassium	Lab analysis	Biannual	7.1	7.1	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-5	Residue on Evaporation	Lab analysis	Biannual	494	494	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-5	Sodium	Lab analysis	Biannual	24.1	24.1	mg/l	W0151-01 EPA Trigger Level	80	No
11/02/14 28/08/14	MW-5	Total Oxidized Nitrogen	Lab analysis	Biannual	3.2	3.2	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-5	Zinc	Lab analysis	Biannual	0.003	0.003	mg/l	W0151-01 EPA Trigger Level	N/A	No
					0	#DIV/0!				
11/02/14 28/08/14	MW-6	Ammoniacal Nitrogen	Lab analysis	Biannual	0.03	0.03	mg/I NH4-N	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-6	Chloride	Lab analysis	Biannual	28.4	27.6	mg/l	W0151-01 EPA Trigger Level	70	No
11/02/14 28/08/14	MW-6	Phenols, Total	Lab analysis	Biannual	0.1	0.1	mg/l	W0151-01 EPA Trigger Level	0.1	No
11/02/14 28/08/14	MW-6	Sulphate	Lab analysis	Biannual	17.5	16.535	mg/l	W0151-01 EPA Trigger Level	140	No
11/02/14 28/08/14	MW-6	Total Organic Carbon	Lab analysis	Biannual	3	2.5	mg/l	W0151-01 EPA Trigger Level	50	No
11/02/14 28/08/14	MW-6	Colour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-6	Conductivity	Field analysis	Biannual	0.39	0.39	mS/cm	W0151-01 EPA Trigger Level	1	No
11/02/14 28/08/14	MW-6	Dissolved Oxygen	Field analysis	Biannual	9	8.615	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-6	Level, Water	Field analysis	Biannual	12.89	12.36	mOD	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-6	Odour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-6	рН	Field analysis	Biannual	8	7.85	рН	W0151-01 EPA Trigger Level	6 <ph<9< td=""><td>No</td></ph<9<>	No
11/02/14 28/08/14	MW-6	Temperature	Field analysis	Biannual	12.7	9.95	оС	W0151-01 EPA Trigger Level	N/A	No

Groundwa	ater/Soil mo	onitoring ten	nplate		Lic No:	W0151-01		Year	2014	
11/02/14 28/08/14	MW-6	Alkalinity, Total	Lab analysis	Biannual	166	166	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-6	Boron	Lab analysis	Biannual	0.015	0.015	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-6	Cadmium	Lab analysis	Biannual	0.0005	0.0005	mg/l	W0151-01 EPA Trigger Level	0.004	No
11/02/14 28/08/14	MW-6	Calcium	Lab analysis	Biannual	51.5	51.5	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-6	Chromium, Total	Lab analysis	Biannual	0.0015	0.0015	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-6	Coliforms, Faecal	Lab analysis	Biannual	1	1	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-6	Coliforms, Total	Lab analysis	Biannual	1	1	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-6	Copper	Lab analysis	Biannual	0.007	0.007	mg/l	W0151-01 EPA Trigger Level	0.5	No
11/02/14 28/08/14	MW-6	Cyanide	Lab analysis	Biannual	0.01	0.01	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-6	Fluoride	Lab analysis	Biannual	0.3	0.3	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-6	Iron	Lab analysis	Biannual	0.02	0.02	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-6	Lead	Lab analysis	Biannual	0.005	0.005	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-6	Magnesium	Lab analysis	Biannual	3.3	3.3	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-6	Manganese	Lab analysis	Biannual	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-6	Mercury	Lab analysis	Biannual	0.001	0.001	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-6	Nickel	Lab analysis	Biannual	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-6	Orthophospha tes	Lab analysis	Biannual	0.28	0.28	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-6	Phosphorous, Total	Lab analysis	Biannual	0.144	0.144	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-6	Potassium	Lab analysis	Biannual	14.7	14.7	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-6	Residue on Evaporation	Lab analysis	Biannual	232	232	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-6	Sodium	Lab analysis	Biannual	17.1	17.1	mg/l	W0151-01 EPA Trigger Level	80	No
11/02/14 28/08/14	MW-6	Total Oxidized Nitrogen	Lab analysis	Biannual	0.5	0.5	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-6	Zinc	Lab analysis	Biannual	0.004	0.004	mg/l	W0151-01 EPA Trigger Level	N/A	No
					0	#DIV/0!				
11/02/14 28/08/14	MW-14	Ammoniacal Nitrogen	Lab analysis	Biannual	0.03	0.03	mg/I NH4-N	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-14	Chloride	Lab analysis	Biannual	60.1	54.45	mg/l	W0151-01 EPA Trigger Level	70	No
11/02/14 28/08/14	MW-14	Phenols, Total	Lab analysis	Biannual	0.1	0.1	mg/l	W0151-01 EPA Trigger Level	0.1	No
11/02/14 28/08/14	MW-14	Sulphate	Lab analysis	Biannual	0.28	0.165	mg/l	W0151-01 EPA Trigger Level	140	No
11/02/14 28/08/14	MW-14	Total Organic Carbon	Lab analysis	Biannual	3	2.5	mg/l	W0151-01 EPA Trigger Level	50	No

Groundwa	ater/Soil mo	onitoring ten	nplate		Lic No:	W0151-01		Year	2014	
11/02/14 28/08/14	MW-14	Colour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-14	Conductivity	Field analysis	Biannual	0.27	0.265	mS/cm	W0151-01 EPA Trigger Level	1	No
11/02/14 28/08/14	MW-14	Dissolved Oxygen	Field analysis	Biannual	9	6.62	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-14	Level, Water	Field analysis	Biannual	13.12	12.38	mOD	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-14	Odour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-14	рН	Field analysis	Biannual	9.1	7.3	рН	W0151-01 EPA Trigger Level	6 <ph<9< td=""><td>No</td></ph<9<>	No
11/02/14 28/08/14	MW-14	Temperature	Field analysis	Biannual	12.2	10.75	оС	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-14	Alkalinity, Total	Lab analysis	Biannual	68	68	mg/I	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-14	Boron	Lab analysis	Biannual	0.015	0.015	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-14	Cadmium	Lab analysis	Biannual	0.0005	0.0005	mg/l	W0151-01 EPA Trigger Level	0.004	No
11/02/14 28/08/14	MW-14	Calcium	Lab analysis	Biannual	15.5	15.5	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-14	Chromium, Total	Lab analysis	Biannual	0.0015	0.0015	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-14	Coliforms, Faecal	Lab analysis	Biannual	1	1	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-14	Coliforms, Total	Lab analysis	Biannual	72	72	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-14	Copper	Lab analysis	Biannual	0.007	0.007	mg/l	W0151-01 EPA Trigger Level	0.5	No
11/02/14 28/08/14	MW-14	Cyanide	Lab analysis	Biannual	0.01	0.01	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-14	Fluoride	Lab analysis	Biannual	0.8	0.8	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-14	Iron	Lab analysis	Biannual	0.02	0.02	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-14	Lead	Lab analysis	Biannual	0.005	0.005	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-14	Magnesium	Lab analysis	Biannual	0.9	0.9	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-14	Manganese	Lab analysis	Biannual	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-14	Mercury	Lab analysis	Biannual	0.001	0.001	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-14	Nickel	Lab analysis	Biannual	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-14	Orthophospha tes	Lab analysis	Biannual	0.06	0.06	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-14	Phosphorous, Total	Lab analysis	Biannual	0.127	0.127	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-14	Potassium	Lab analysis	Biannual	1.7	1.7	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-14	Residue on Evaporation	Lab analysis	Biannual	242	242	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-14	Sodium	Lab analysis	Biannual	40.8	40.8	mg/l	W0151-01 EPA Trigger Level	80	No
11/02/14 28/08/14	MW-14	Total Oxidized Nitrogen	Lab analysis	Biannual	0.2	0.2	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-14	Zinc	Lab analysis	Biannual	0.007	0.007	mg/l	W0151-01 EPA Trigger Level	N/A	No

Groundwa	ater/Soil mo	nitoring ten	nplate		Lic No:	W0151-01		Year	2014	
					0	#DIV/0!				
11/02/14	MW-16	Ammoniacal	Lab analysis	Biannual	0.07	0.06	mg/I NH4-N	W0151-01 EPA	N/A	No
28/08/14 11/02/14		Nitrogen	,					Trigger Level W0151-01 EPA		
28/08/14	MW-16	Chloride	Lab analysis	Biannual	48.3	46.8	mg/l	Trigger Level	70	No
11/02/14	MW-16	Phenols, Total	Lab analysis	Biannual	0.1	0.1	mg/l	W0151-01 EPA	0.1	No
28/08/14	10100-10	Prieriois, rotai	Lab allalysis	Didililudi	0.1	0.1	IIIg/I	Trigger Level	0.1	INU
11/02/14 28/08/14	MW-16	Sulphate	Lab analysis	Biannual	4.53	3.515	mg/l	W0151-01 EPA Trigger Level	140	No
11/02/14 28/08/14	MW-16	Total Organic Carbon	Lab analysis	Biannual	2	2	mg/l	W0151-01 EPA Trigger Level	50	No
		Carbon								
11/02/14 28/08/14	MW-16	Colour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No
11/02/14								W0151-01 EPA		
28/08/14	MW-16	Conductivity	Field analysis	Biannual	0.32	0.32	mS/cm	Trigger Level	1	No
11/02/14	MW-16	Dissolved	Field analysis	Biannual	9	7.165	mg/l	W0151-01 EPA	N/A	No
28/08/14 11/02/14		Oxygen	,				O,	Trigger Level W0151-01 EPA		
28/08/14	MW-16	Level, Water	Field analysis	Biannual	12.33	11.645	mOD	Trigger Level	N/A	No
11/02/14	MW-16	Odour	Field analysis	Diagonal	#VALUE!	#VALUE!	N/A	W0151-01 EPA	N1/A	N
28/08/14	IVIVV-16	Odour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	Trigger Level	N/A	No
11/02/14	MW-16	pН	Field analysis	Biannual	8.5	8.25	рН	W0151-01 EPA	6 <ph<9< td=""><td>No</td></ph<9<>	No
28/08/14 11/02/14		1	-				·	Trigger Level W0151-01 EPA		
28/08/14	MW-16	Temperature	Field analysis	Biannual	12.1	11	оС	Trigger Level	N/A	No
11/02/14	MW-16	Alkalinity,	Lab analysis	Biannual	106	106	mg/l	W0151-01 EPA	N/A	No
28/08/14	10100-10	Total	Lab ariarysis	Diamitual	100	100	1116/1	Trigger Level	19/7	140
11/02/14 28/08/14	MW-16	Boron	Lab analysis	Biannual	0.016	0.016	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14								W0151-01 EPA		
28/08/14	MW-16	Cadmium	Lab analysis	Biannual	0.0005	0.0005	mg/l	Trigger Level	0.004	No
11/02/14	MW-16	Calcium	Lab analysis	Biannual	19.8	19.8	mg/l	W0151-01 EPA	N/A	No
28/08/14 11/02/14	_	Chromium,	,				O,	Trigger Level W0151-01 EPA	,	
28/08/14	MW-16	Total	Lab analysis	Biannual	0.0015	0.0015	mg/l	Trigger Level	N/A	No
11/02/14	MW-16	Coliforms,	Lab analysis	Biannual	1	1	cfus/100ml	W0151-01 EPA	N/A	No
28/08/14	10100-10	Faecal	Lab allalysis	Didilliudi	1	1	cius/ 100iiii	Trigger Level	N/A	INU
11/02/14 28/08/14	MW-16	Coliforms, Total	Lab analysis	Biannual	1	1	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
11/02/14								W0151-01 EPA		
28/08/14	MW-16	Copper	Lab analysis	Biannual	0.007	0.007	mg/l	Trigger Level	0.5	No
11/02/14	MW-16	Cyanide	Lab analysis	Biannual	0.01	0.01	mg/l	W0151-01 EPA	N/A	No
28/08/14 11/02/14		-,						Trigger Level W0151-01 EPA		
28/08/14	MW-16	Fluoride	Lab analysis	Biannual	0.3	0.3	mg/l	Trigger Level	N/A	No
11/02/14	MW-16	Iron	Lab analysis	Biannual	0.02	0.02	/1	W0151-01 EPA	N/A	No
28/08/14	10100-10	IIOII	Lab allalysis	Didililudi	0.02	0.02	mg/l	Trigger Level	N/A	NO
11/02/14	MW-16	Lead	Lab analysis	Biannual	0.005	0.005	mg/l	W0151-01 EPA	N/A	No
28/08/14 11/02/14			· · · · · · · · · · · · · · · · · · ·					Trigger Level W0151-01 EPA		
28/08/14	MW-16	Magnesium	Lab analysis	Biannual	6.8	6.8	mg/l	Trigger Level	N/A	No
11/02/14	MW-16	Manganese	Lab analysis	Biannual	0.002	0.002	mg/l	W0151-01 EPA	N/A	No
28/08/14	10	ganese	_30 0.10.7515	2.0	0.002	0.002		Trigger Level	.,,	
11/02/14 28/08/14	MW-16	Mercury	Lab analysis	Biannual	0.001	0.001	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14	101/46	NC-L-L	tale and at	Diameter 1	0.002	0.002	//	W0151-01 EPA	11/4	NI.
28/08/14	MW-16	Nickel	Lab analysis	Biannual	0.002	0.002	mg/l	Trigger Level	N/A	No
11/02/14	MW-16	Orthophospha	Lab analysis	Biannual	0.06	0.06	mg/l	W0151-01 EPA	N/A	No
28/08/14		tes	•		I	I	j.	Trigger Level	•	

Groundwa	ter/Soil mo	nitoring ten	nplate		Lic No:	W0151-01		Year	2014	
11/02/14 28/08/14	MW-16	Phosphorous, Total	Lab analysis	Biannual	0.045	0.045	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-16	Potassium	Lab analysis	Biannual	2.2	2.2	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-16	Residue on Evaporation	Lab analysis	Biannual	169	169	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-16	Sodium	Lab analysis	Biannual	35.5	35.5	mg/l	W0151-01 EPA Trigger Level	80	No
11/02/14 28/08/14	MW-16	Total Oxidized Nitrogen	Lab analysis	Biannual	0.2	0.2	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-16	Zinc	Lab analysis	Biannual	0.003	0.003	mg/l	W0151-01 EPA Trigger Level	N/A	No
					0	#DIV/0!				
11/02/14 28/08/14	MW-17	Ammoniacal Nitrogen	Lab analysis	Biannual	0.03	0.03	mg/l NH4-N	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-17	Chloride	Lab analysis	Biannual	40.1	37.65	mg/l	W0151-01 EPA Trigger Level	70	No
11/02/14 28/08/14	MW-17	Phenols, Total	Lab analysis	Biannual	0.1	0.1	mg/l	W0151-01 EPA Trigger Level	0.1	No
11/02/14 28/08/14	MW-17	Sulphate	Lab analysis	Biannual	104.16	104.14	mg/l	W0151-01 EPA Trigger Level	140	No
11/02/14 28/08/14	MW-17	Total Organic Carbon	Lab analysis	Biannual	5	3.5	mg/l	W0151-01 EPA Trigger Level	50	No
11/02/14 28/08/14	MW-17	Colour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-17	Conductivity	Field analysis	Biannual	1.04	0.985	mS/cm	W0151-01 EPA Trigger Level	1	No
11/02/14 28/08/14	MW-17	Dissolved Oxygen	Field analysis	Biannual	9	8.805	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-17	Level, Water	Field analysis	Biannual	12.29	11.59	mOD	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-17	Odour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-17	рН	Field analysis	Biannual	7.2	7.2	рН	W0151-01 EPA Trigger Level	6 <ph<9< td=""><td>No</td></ph<9<>	No
11/02/14 28/08/14	MW-17	Temperature	Field analysis	Biannual	11.9	10.65	оС	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-17	Alkalinity, Total	Lab analysis	Biannual	474	474	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-17	Boron	Lab analysis	Biannual	0.069	0.069	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-17	Cadmium	Lab analysis	Biannual	0.0005	0.0005	mg/l	W0151-01 EPA Trigger Level	0.004	No
11/02/14 28/08/14	MW-17	Calcium	Lab analysis	Biannual	169.9	169.9	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-17	Chromium, Total	Lab analysis	Biannual	0.0015	0.0015	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-17	Coliforms, Faecal	Lab analysis	Biannual	1	1	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-17	Coliforms, Total	Lab analysis	Biannual	1	1	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-17	Copper	Lab analysis	Biannual	0.007	0.007	mg/l	W0151-01 EPA Trigger Level	0.5	No
11/02/14 28/08/14	MW-17	Cyanide	Lab analysis	Biannual	0.01	0.01	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-17	Fluoride	Lab analysis	Biannual	0.3	0.3	mg/l	W0151-01 EPA Trigger Level	N/A	No

Groundw	ater/Soil mo	onitoring ten	nplate		Lic No:	W0151-01		Year	2014	
11/02/14 28/08/14	MW-17	Iron	Lab analysis	Biannual	0.02	0.02	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-17	Lead	Lab analysis	Biannual	0.005	0.005	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-17	Magnesium	Lab analysis	Biannual	20.2	20.2	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-17	Manganese	Lab analysis	Biannual	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-17	Mercury	Lab analysis	Biannual	0.001	0.001	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-17	Nickel	Lab analysis	Biannual	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-17	Orthophospha tes	Lab analysis	Biannual	0.06	0.06	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-17	Phosphorous, Total	Lab analysis	Biannual	0.094	0.094	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-17	Potassium	Lab analysis	Biannual	6.7	6.7	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-17	Residue on Evaporation	Lab analysis	Biannual	721	721	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-17	Sodium	Lab analysis	Biannual	28.4	28.4	mg/l	W0151-01 EPA Trigger Level	80	No
11/02/14 28/08/14	MW-17	Total Oxidized Nitrogen	Lab analysis	Biannual	1.8	1.8	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-17	Zinc	Lab analysis	Biannual	0.003	0.003	mg/l	W0151-01 EPA Trigger Level	N/A	No
					0	#DIV/0!				
11/02/14	MW-20	Ammoniacal Nitrogen	Lab analysis	Biannual	0.03	0.03	mg/l NH4-N	W0151-01 EPA Trigger Level	N/A	No
11/02/14	MW-20	Chloride	Lab analysis	Biannual	38.6	38.6	mg/l	W0151-01 EPA Trigger Level	70	No
11/02/14	MW-20	Phenols, Total	Lab analysis	Biannual	0.1	0.1	mg/l	W0151-01 EPA Trigger Level	0.1	No
11/02/14	MW-20	Sulphate	Lab analysis	Biannual	100.94	100.94	mg/l	W0151-01 EPA Trigger Level	140	No
11/02/14	MW-20	Total Organic Carbon	Lab analysis	Biannual	2	2	mg/l	W0151-01 EPA Trigger Level	50	No
11/02/14	MW-20	Colour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No
11/02/14	MW-20	Conductivity	Field analysis	Biannual	1.07	1.07	mS/cm	W0151-01 EPA Trigger Level	1	No
11/02/14	MW-20	Dissolved Oxygen	Field analysis	Biannual	7.52	7.52	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14	MW-20	Level, Water	Field analysis	Biannual	12.15	12.15	mOD	W0151-01 EPA Trigger Level	N/A	No
11/02/14	MW-20	Odour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No
11/02/14	MW-20	рН	Field analysis	Biannual	7	7	рН	W0151-01 EPA Trigger Level	6 <ph<9< td=""><td>No</td></ph<9<>	No
11/02/14	MW-20	Temperature	Field analysis	Biannual	9.5	9.5	оС	W0151-01 EPA Trigger Level	N/A	No
11/02/14	MW-20	Alkalinity, Total	Lab analysis	Biannual	0	#DIV/0!	mg/I	W0151-01 EPA Trigger Level	N/A	No
11/02/14	MW-20	Boron	Lab analysis	Biannual	0	#DIV/0!	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14	MW-20	Cadmium	Lab analysis	Biannual	0	#DIV/0!	mg/l	W0151-01 EPA Trigger Level	0.004	No

Groundw	ater/Soil mo	nitoring ten	nplate		Lic No:	W0151-01		Year	2014	
11/02/14	MW-20	Calcium	Lab analysis	Biannual	0	#DIV/0!	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14	MW-20	Chromium, Total	Lab analysis	Biannual	0	#DIV/0!	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14	MW-20	Coliforms, Faecal	Lab analysis	Biannual	0	#DIV/0!	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
11/02/14	MW-20	Coliforms, Total	Lab analysis	Biannual	0	#DIV/0!	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
11/02/14	MW-20	Copper	Lab analysis	Biannual	0	#DIV/0!	mg/l	W0151-01 EPA Trigger Level	0.5	No
11/02/14	MW-20	Cyanide	Lab analysis	Biannual	0	#DIV/0!	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14	MW-20	Fluoride	Lab analysis	Biannual	0	#DIV/0!	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14	MW-20	Iron	Lab analysis	Biannual	0	#DIV/0!	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14	MW-20	Lead	Lab analysis	Biannual	0	#DIV/0!	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14	MW-20	Magnesium	Lab analysis	Biannual	0	#DIV/0!	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14	MW-20	Manganese	Lab analysis	Biannual	0	#DIV/0!	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14	MW-20	Mercury	Lab analysis	Biannual	0	#DIV/0!	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14	MW-20	Nickel	Lab analysis	Biannual	0	#DIV/0!	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14	MW-20	Orthophospha tes	Lab analysis	Biannual	0	#DIV/0!	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14	MW-20	Phosphorous, Total	Lab analysis	Biannual	0	#DIV/0!	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14	MW-20	Potassium	Lab analysis	Biannual	0	#DIV/0!	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14	MW-20	Residue on Evaporation	Lab analysis	Biannual	0	#DIV/0!	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14	MW-20	Sodium	Lab analysis	Biannual	0	#DIV/0!	mg/l	W0151-01 EPA Trigger Level	80	No
11/02/14	MW-20	Total Oxidized Nitrogen	Lab analysis	Biannual	0	#DIV/0!	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14	MW-20	Zinc	Lab analysis	Biannual	0	#DIV/0!	mg/l	W0151-01 EPA Trigger Level	N/A	No
					0	#DIV/0!				
11/02/14 28/08/14	MW-22	Ammoniacal Nitrogen	Lab analysis	Biannual	0.03	0.03	mg/l NH4-N	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-22	Chloride	Lab analysis	Biannual	99.8	90.4	mg/l	W0151-01 EPA Trigger Level	70	No
11/02/14 28/08/14	MW-22	Phenols, Total	Lab analysis	Biannual	0.1	0.1	mg/l	W0151-01 EPA Trigger Level	0.1	No
11/02/14 28/08/14	MW-22	Sulphate	Lab analysis	Biannual	34.46	28.72	mg/l	W0151-01 EPA Trigger Level	140	No
11/02/14 28/08/14	MW-22	Total Organic Carbon	Lab analysis	Biannual	5	3.5	mg/l	W0151-01 EPA Trigger Level	50	No
11/02/14 28/08/14	MW-22	Colour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-22	Conductivity	Field analysis	Biannual	1.22	1.09	mS/cm	W0151-01 EPA Trigger Level	1	No
11/02/14 28/08/14	MW-22	Dissolved Oxygen	Field analysis	Biannual	9	8.365	mg/l	W0151-01 EPA Trigger Level	N/A	No

Groundwa	iter/Soil mo	onitoring ten	nplate		Lic No:	W0151-01		Year	2014	
11/02/14 28/08/14	MW-22	Level, Water	Field analysis	Biannual	15.79	15.315	mOD	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-22	Odour	Field analysis	Biannual	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-22	рН	Field analysis	Biannual	7.5	7.25	рН	W0151-01 EPA Trigger Level	6 <ph<9< td=""><td>No</td></ph<9<>	No
11/02/14 28/08/14	MW-22	Temperature	Field analysis	Biannual	11.3	9.15	оС	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-22	Alkalinity, Total	Lab analysis	Biannual	542	542	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-22	Boron	Lab analysis	Biannual	0.02	0.02	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-22	Cadmium	Lab analysis	Biannual	0.0005	0.0005	mg/l	W0151-01 EPA Trigger Level	0.004	No
11/02/14 28/08/14	MW-22	Calcium	Lab analysis	Biannual	166.2	166.2	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-22	Chromium, Total	Lab analysis	Biannual	0.0015	0.0015	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-22	Coliforms, Faecal	Lab analysis	Biannual	1	1	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-22	Coliforms, Total	Lab analysis	Biannual	2	2	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-22	Copper	Lab analysis	Biannual	0.007	0.007	mg/l	W0151-01 EPA Trigger Level	0.5	No
11/02/14 28/08/14	MW-22	Cyanide	Lab analysis	Biannual	0.01	0.01	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-22	Fluoride	Lab analysis	Biannual	0.3	0.3	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-22	Iron	Lab analysis	Biannual	0.02	0.02	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-22	Lead	Lab analysis	Biannual	0.005	0.005	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-22	Magnesium	Lab analysis	Biannual	9.8	9.8	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-22	Manganese	Lab analysis	Biannual	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-22	Mercury	Lab analysis	Biannual	0.001	0.001	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-22	Nickel	Lab analysis	Biannual	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-22	Orthophospha tes	Lab analysis	Biannual	0.06	0.06	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-22	Phosphorous, Total	Lab analysis	Biannual	0.37	0.37	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-22	Potassium	Lab analysis	Biannual	0.9	0.9	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-22	Residue on Evaporation	Lab analysis	Biannual	1047	1047	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-22	Sodium	Lab analysis	Biannual	88.7	88.7	mg/l	W0151-01 EPA Trigger Level	80	No
11/02/14 28/08/14	MW-22	Total Oxidized Nitrogen	Lab analysis	Biannual	10	10	mg/l	W0151-01 EPA Trigger Level	N/A	No
11/02/14 28/08/14	MW-22	Zinc	Lab analysis	Biannual	3	3	mg/l	W0151-01 EPA Trigger Level	N/A	No
44/02/6		1			0	#DIV/0!				
11/02/14 27/05/14 28/08/14 03/12/14	PW-3	Ammoniacal Nitrogen	Lab analysis	Quarterly	0.09	0.0475	mg/l NH4-N	W0151-01 EPA Trigger Level	N/A	No

	ter/Soil m	onitoring ten	nplate		Lic No:	W0151-01		Year	2014		
11/02/14 27/05/14 28/08/14 03/12/14	PW-3	Chloride	Lab analysis	Quarterly	52.4	39.975	mg/l	W0151-01 EPA Trigger Level	70	No	
11/02/14 27/05/14 28/08/14 03/12/14 11/02/14	PW-3	Phenols, Total	Lab analysis	Quarterly	0.1	0.1	mg/l	W0151-01 EPA Trigger Level	0.1	No	
27/05/14 28/08/14 03/12/14	PW-3	Sulphate	Lab analysis	Quarterly	154.71	108.4625	mg/l	W0151-01 EPA Trigger Level	140	No	
11/02/14 27/05/14 28/08/14 03/12/14	PW-3	Total Organic Carbon	Lab analysis	Quarterly	2	2	mg/l	W0151-01 EPA Trigger Level	50	No	
11/02/14 27/05/14 28/08/14 03/12/14	PW-3	Colour	Field analysis	Quarterly	#VALUE!	#VALUE!	N/A	W0151-01 EPA Trigger Level	N/A	No	
11/02/14 27/05/14 28/08/14 03/12/14	PW-3	Conductivity	Field analysis	Quarterly	0.85	0.78	mS/cm	W0151-01 EPA Trigger Level	1	No	
11/02/14 27/05/14 28/08/14 03/12/14	PW-3	Dissolved Oxygen	Field analysis	Quarterly	9.82	8.955	mg/l	W0151-01 EPA Trigger Level	N/A	No	
11/02/14 27/05/14 28/08/14 03/12/14	PW-3	Odour	Field analysis	Quarterly	0	0	N/A	W0151-01 EPA Trigger Level	N/A	No	
11/02/14 27/05/14 28/08/14 03/12/14	PW-3	рН	Field analysis	Quarterly	8.3	7.825	рН	W0151-01 EPA Trigger Level	6 <ph<9< td=""><td>No</td><td></td></ph<9<>	No	
11/02/14 27/05/14 28/08/14 03/12/14	PW-3	Temperature	Field analysis	Quarterly	14.3	10.625	оС	W0151-01 EPA Trigger Level	N/A	No	
11/02/14 27/05/14 28/08/14 03/12/14	PW-3	Boron	Lab analysis	Quarterly	0.033	0.033	mg/l	W0151-01 EPA Trigger Level	N/A	No	
11/02/14 27/05/14 28/08/14 03/12/14	PW-3	Cadmium	Lab analysis	Quarterly	0.0005	0.0005	mg/l	W0151-01 EPA Trigger Level	0.004	No	
03/12/14 11/02/14 27/05/14 28/08/14 03/12/14	PW-3	Calcium	Lab analysis	Quarterly	113.6	113.6	mg/l	W0151-01 EPA Trigger Level	N/A	No	
11/02/14 27/05/14 28/08/14 03/12/14	PW-3	Chromium, Total	Lab analysis	Quarterly	0.0015	0.0015	mg/l	W0151-01 EPA Trigger Level	N/A	No	
11/02/14 27/05/14 28/08/14 03/12/14	PW-3	Coliforms, Faecal	Lab analysis	Quarterly	1	1	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No	

	Groundwater/Soil monitoring template Lic No: W0151-01 Year 2014													
Groundw	ater/Soil m	onitoring ten	nplate		Lic No:	W0151-01		Year	2014					
11/02/14 27/05/14 28/08/14	PW-3	Coliforms, Total	Lab analysis	Quarterly	1	1	cfus/100ml	W0151-01 EPA Trigger Level	N/A	No				
03/12/14 11/02/14 27/05/14 28/08/14 03/12/14	PW-3	Copper	Lab analysis	Quarterly	0.084	0.084	mg/l	W0151-01 EPA Trigger Level	0.5	No				
03/12/14 11/02/14 27/05/14 28/08/14 03/12/14	PW-3	Cyanide	Lab analysis	Quarterly	0.01	0.01	mg/l	W0151-01 EPA Trigger Level	N/A	No				
11/02/14 27/05/14 28/08/14 03/12/14	PW-3	Fluoride	Lab analysis	Quarterly	0.3	0.3	mg/l	W0151-01 EPA Trigger Level	N/A	No				
11/02/14 27/05/14 28/08/14 03/12/14	PW-3	Iron	Lab analysis	Quarterly	0.02	0.02	mg/l	W0151-01 EPA Trigger Level	N/A	No				
11/02/14 27/05/14 28/08/14 03/12/14	PW-3	Lead	Lab analysis	Quarterly	0.005	0.005	mg/l	W0151-01 EPA Trigger Level	N/A	No				
11/02/14 27/05/14 28/08/14 03/12/14	PW-3	Magnesium	Lab analysis	Quarterly	0	0	mg/l	W0151-01 EPA Trigger Level	N/A	No				
11/02/14 27/05/14 28/08/14 03/12/14	PW-3	Manganese	Lab analysis	Quarterly	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No				
11/02/14 27/05/14 28/08/14 03/12/14	PW-3	Mercury	Lab analysis	Quarterly	0	0	mg/l	W0151-01 EPA Trigger Level	N/A	No				
11/02/14 27/05/14 28/08/14 03/12/14	PW-3	Nickel	Lab analysis	Quarterly	0.002	0.002	mg/l	W0151-01 EPA Trigger Level	N/A	No				
11/02/14 27/05/14 28/08/14 03/12/14	PW-3	Orthophospha tes	Lab analysis	Quarterly	0.06	0.06	mg/l	W0151-01 EPA Trigger Level	N/A	No				
11/02/14 27/05/14 28/08/14 03/12/14 11/02/14	PW-3	Phosphorous, Total	Lab analysis	Quarterly	0.047	0.047	mg/l	W0151-01 EPA Trigger Level	N/A	No				
27/05/14 28/08/14 03/12/14	PW-3	Potassium	Lab analysis	Quarterly	1.1	1.1	mg/l	W0151-01 EPA Trigger Level	N/A	No				
11/02/14 27/05/14 28/08/14 03/12/14	PW-3	Residue on Evaporation	Lab analysis	Quarterly	436	436	mg/l	W0151-01 EPA Trigger Level	N/A	No				
11/02/14 27/05/14 28/08/14 03/12/14	PW-3	Sodium	Lab analysis	Quarterly	24.7	24.7	mg/l	W0151-01 EPA Trigger Level	80	No				

Groundw	ater/Soil mo	nitoring ten	nplate		Lic No:	W0151-01		Year	ear 2014		
11/02/14 27/05/14 28/08/14 03/12/14	PW-3	Total Alkalinity	Lab analysis	Quarterly	284	284	mg/l	W0151-01 EPA Trigger Level	N/A	No	
11/02/14 27/05/14 28/08/14 03/12/14	PW-3	Total Oxidized Nitrogen	Lab analysis	Quarterly	2.2	2.2	mg/l	W0151-01 EPA Trigger Level	N/A	No	
11/02/14 27/05/14 28/08/14 03/12/14	PW-3	Zinc	Lab analysis	Quarterly	0.07	0.07	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
 regulations
 Drinking water (private supply)
 Drinking water (public supply)
 Interim Guideline supply) standards
 Values (IGV)

Groundwater/Soil monitoring template Lic No: W0151-01 Year 2014

Table 3: Soil results

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

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

Environmental Liabilities template	Lic No:	W0151-01	Year	2014
------------------------------------	---------	----------	------	------

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

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

	Environmental Management Programme/Continuous Improvement Programme	template	Lic No:	W0151-01	Year	2014
	Highlighted cells contain dropdown menu click to view		Additional Information			
1	Do you maintain an Environmental Mangement System (EMS) for the site. If yes, please detail in additional information	Yes				
2	Does the EMS reference the most significant environmental aspects and associated impacts on-site	Yes				
3	Does the EMS maintain an Environmental Management Programme (EMP) as required in accordance with the licence requirements	Yes				
4	Do you maintain an environmental documentation/communication system to inform the public on environmental performance of the facility, as required by the licence	Yes				

Environmental Management Programme (EMP) report								
Objective Category	Target	Target Status (% completed) Ho		How target was progressed Responsibility				
	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	2014
4 Manual in a suita sina a linna a suita sunt fauth AFD anii d	•	V		
1 Was noise monitoring a licence requirement for the AER period? If yes please fill in table N1 noise summary below		Yes	J	
	Noise]	
2 Was noise monitoring carried out using the EPA Guidance note, including completion of the	<u>Guidance</u>	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		
5 Have there been changes relevant to site noise emissions (e.g. plant or operational changes) since to survey?	the last noise	No		

Table N1: Noise monitoring summary											
Date of monitoring	Time period	Noise location (on site)	Noise sensitive location -NSL (if applicable)	LA_{eq}	LA ₉₀	LA ₁₀	LA _{max}		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)?
27/05/2014	Daytime	NMP5		67	51	71	74	No	Yes	Noise levels exceeded the EPA noise limit values of 55dB LAeq at NMP5 and NMP8.	Yes
27/05/2014	Daytime	NMP7		51	40	48	74	No	Yes	noise source at all locations was road traffic along the local road network. Site	Yes
27/05/2014	Daytime	NMP8		54	38	56	72	No	Yes	operations at the Murphy Environmental facility were	Yes
27/05/2014	Daytime	NMP13		52	47	55	73	Yes	Yes	subjectively audible at noise monitoring locations NMP7 and NMP13.	Yes

^{*}Please ensure that a tonal analysis has been carried out as per guidance note NG4. These records must be maintained onsite for future inspection

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

SELECT

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

Resource Usage/Energy efficiency summary Lic No: W0151-01 Year 20	Resourc	e Usage/Energy e	fficiency summary	Lic No:	W0151-01	Year	2014
---	---------	------------------	-------------------	---------	----------	------	------

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

Table R1 Energy usag					
Energy Use	Previous year	Current year	compared to	Energy Consumption +/- % vs overall site production*	
Total Energy Used (MWHrs)		891.234			
Total Energy Generated (MWHrs)					
Total Renewable Energy Generated (N	/IWHrs)				
Electricity Consumption (MWHrs)		16.7			
Fossil Fuels Consumption:					
Heavy Fuel Oil (m3)		86			SE
Light Fuel Oil (m3)					
Natural gas (m3)					
Coal/Solid fuel (metric tonnes)					
Peat (metric tonnes)					
Renewable Biomass					
Renewable energy generated on site					

SEAI: 10.169kWh/litre of diesel

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

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

Table R2 Water usage	e on site			, ,	Water Emissions	Water Consumption	
	Water extracted			consumption if it	Volume Discharged	Volume used i.e not discharged to environment e.g. released as steam	
Water use	Previous year m3/yr.	Current year m3/yr.	year**	production*	environment(m ³ yr):	m3/yr	Unaccounted for Water:
Groundwater							
Surface water							
Public supply		79.25					
Recycled water							
Total							

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

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

Resource Usage/Energy efficiency summary Lic No: W0151-01 Year 2014

Table R3 Waste Stream	Summary				
	Total	Landfill	Incineration	Recycled	Other
Hazardous (Tonnes)					
Non-Hazardous (Tonnes)	0.76	0.48		0.28	

Table	R4: Energy Au	dit finding recommendat	ions						
Date of audit			Description of		Predicted energy	Implementation data	Deeneneihilite		Status and
Date of audit		Recommendations		Origin of measures SELECT	Savings %	Implementation date	Responsibility	Completion date	comments
				SELECT					
				SELECT					

Table R5: Power Generation: Where power is generated onsite (e.g. power generation facilities/food and drink industry)please complete the following information

	Unit ID	Unit ID	Unit ID	Unit ID	Station Total
Technology					
Primary Fuel					
Thermal Efficiency					
Unit Date of Commission					
Total Starts for year					
Total Running Time					
Total Electricity Generated (GWH)					
House Load (GWH)					
KWH per Litre of Process Water					
KWH per Litre of Total Water used on	Site				

Complaints and Incidents summary template	Lic	: No:	W0151-01	Year	2014	
Complaints						
	Ado	lditional informat	tion			
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	No					

Table	1 Complaints summary		1				
			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		
Total complaints							
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							

Incidents

Total number of incidents current year
Total number of incidents previous

					Additional informa	ation								
Have any incidents	occurred on site in the current repo	rting year? Please list all incide	ents for current reporting											
	year in Tal	ole 2 below		Yes										
	•													
	on on how to report and what													
con	stitutes an incident	What is an incident												
			1											
Table 2 Incidents sur	nmary						1	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
		Other location (monitoring				Routine LF gas							1	
12/02/2014	Trigger level reached	points)	1. Minor	No Uncontrolled release		monitoring	Normal activities	EPA	Recurring	Ongoing monitoring		Complete	12/02/2014	Medium
		Other location (monitoring				Routine GW								
30/03/2014	Trigger level reached	points)	1. Minor	No Uncontrolled release		monitoring	Normal activities	EPA	Recurring	Ongoing monitoring		Complete	30/03/2014	Medium
		Other location (monitoring				Routine GW							1	
08/04/2014	Trigger level reached	points)	1. Minor	No Uncontrolled release		monitoring	Normal activities	EPA	Recurring	Ongoing monitoring		Complete	08/04/2014	Medium
		Other location (monitoring				Routine LF gas			Ĭ					
16/09/2014	Trigger level reached	points)	1. Minor	No Uncontrolled release		monitoring	Normal activities	EPA	Recurring	Ongoing monitoring		Complete	16/09/2014	Medium
		Other location (monitoring				Routine GW								
27/11/2014	Trigger level reached		1. Minor	No Uncontrolled release		monitoring	Normal activities	EPA	Recurring	Ongoing monitoring		Complete	27/11/2014	Medium
,,	00	Other location (monitoring				Routine GW						. , . , . , .		
05/01/2015	Trigger level reached	points)	1. Minor	No Uncontrolled release		monitoring	Normal activities	FPA	Recurring	Ongoing monitoring		Complete	05/01/2015	Medium
35/01/2015	SELECT				SELECT				SELECT			SELECT		SELECT
I	DELECT.	JEEC .	JEEC .	JEELO.	JEEC.		JEEEG.	JEEE O.	JEEEU.			JEEC.		JEECO.

Complaints and Incide	nts summary template	Lic	: No:	W0151-01	Year	2014
% reduction/						
increase	33%					

WASTE SUMMARY					Lic No:	W0151-01		Year	2014		
SECTION A-PRTR OF	N SITE WASTE TREATMENT AND	WASTE TRANSFERS TAB-	TO BE COMPLETED B	Y ALL IPPC AND WA	ASTE FACILITIES	PRTR facility logor	1	dropdown li	st click to see options		
SECTION B- WASTE	ACCEPTED ONTO SITE-TO BE CO	MPLETED BY ALL IPPC AN	D WASTE FACILITIES								
							Additional Informatio	n 1			
Were any wastes accepted to be captured through P	ed onto your site for recovery or disposal o RTR reporting)	r treatment prior to recovery or o	disposal within the boundar	ries of your facility ?; (was	ste generated within your boundaries is	Yes					
If yes please enter details	in table 1 below							-			
2 Did your site have any rej	jected consignments of waste in the currer	nt reporting year? If yes please gi	ve a brief explanation in the	e additional information		Yes	See 'Incidents' tab				
3 Was v	waste accepted onto your site that was ge	nerated outside the Republic of I	reland? If yes please state t	he quantity in tonnes in a	dditional information	No					
	f waste accepted onto your			e, as these w	vill have been re	eported in your Pl	RTR workbook)				
Licenced annual tonnage limit for your site (total tonnes/annum)	EWC code	Source of waste accepted	Description of waste accepted Please enter an accurate and detailed description - which applies to relevant EWC code	Quantity of waste accepted in current reporting year (tonnes)	Quantity of waste accepted in previous reporting year (tonnes)	Reduction/ Increase over previous year +/ - %	Reason for reduction/ increase from previous reporting year	Packaging Content (%)- only applies if the waste has a packaging component	Disposal/Recovery or treatment operation carried out at your site and the description of this operation	Quantity of waste remaining on site at the end of reporting year (tonnes)	Comments -
	European Waste Catalogue EWC codes		European Waste Catalogue EWC codes								
			<u>Catalogue EWC codes</u>								
750.000	170504	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Soil & Stones	511,676.87	48,176.20	962%	market demand		R5-Recycling/reclamation or other inorganic materials which includes soil celaning resuling in recovery of the soil and recycling of inorganic construction materials	o	
750,000	170101	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Concrete	37,713.00	5,862.40	543%	market demand		R5-Recycling/reclamation or ather inorganic materials which includes soil celaning resuling in recovery of the soil and recycling of inorganic construction materials	1	
4 Is all waste processing inf5 Is all waste storage infras6 Does your facility have re	OMPLETED BY ALL WASTE FACIL frastructure as required by your licence and any elevant nuisance controls in place? anagement system in place for your facility, consister on size.	d approved by the Agency in place?	e? If no please list waste pr	ocessing infrastructure re	equired onsite	SELECT SELECT SELECT SELECT SELECT SELECT					
SECTION D-TO BE C	OMPLETED BY LANDFILL SITES O and tonnage-landfill only	NLY]		-					•	

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

SELECT UNIT

2014

Total disposal area occupied by waste Lined disposal area occupied by waste

SELECT UNIT SELECT UNIT

Area ID Date landfilling consequenced Ves Private or Public Operated Interior non-hazardous Predicted date to case landfilling consequenced License permits absector. Table 4 Environmental monitoring-landfill only Landfill Manual Monitoring Standards Was Non-interior to compliance with LD standard in reporting year with LD standard in reporting year year year year year year year year		formation Landfill only				Lic No:	W0151-01		Year
Table 4 Environmental monitoring-landfill only Was secretopical monitoring is monitored in compliance with Landfill flore with LD standard in reporting year with LD standard in reporting year Was Landfill Directive (LD) standard in reporting with LD standard in reporting year Was Landfill Manual Monitoring Standard in reporting with LD standard in reporting year Was Landfill Manual Indeed above for relevant Landfill Directive monitoring standards in reporting year Wes We			Date landfilling ceased	Currently landfilling		Inert or non-hazardous			Is there a separate cell for asbestos?
Was Landfill Directive (LD) Standard in reporting year with LD standard in reporting year reporting year yes Yes Yes Yes Yes Yes Yes Yes Yes No	Zone 6	2003	Not applicable	Yes	Private	Inert	subject to filling ra	a No	No
Was Landfill Directive (LD) Standard in reporting year wes	Table 4 Environme	ental monitoring-landfill only	Landfill Manual-Monitoring Stan	dards					
Area with final cap to LD SELECT UNIT SELECT UNIT SELECT UNIT SELECT UNIT SELECT UNIT SELECT UNIT Select described and selection of the select	Was meterological monitoring in compliance with Landfill Directive (LD) standard in reporting	Was leachate monitored in compliance	Was Landfill Gas monitored in compliance with LD standard in	Was SW monitored in compliance with LD standard in reporting			of the site surveyed in	under S53(A)(5) of WMA been submitted in	Comments
Table 5 Capping-Landfill only Area with temporary cap Area with final cap to LD Standard m2 ha, a Area capped other Standard m2 ha, a Standard m2 ha, a Standard m2 ha, a Standard m2 ha, a Area capped other Standard m2 ha, a Standa				Yes	Yes	No	No	No	
Table 6 Leachate-Landfill only Is leachate from your site treated in a Waste Water Treatment Plant? Is leachate released to surface water? If yes please complete leachate mass load information below Volume of leachate in reporting year(m3) Leachate (BOD) mass load (kg/annum) Leachate (COD) mass load (kg/annum) Leachate (NH4) mass load (kg/annum) Leachate (Chloride) mass load kg/annum Leachate treatment on-site leacha	Area uncapped*	Area with temporary cap		Area capped other	should be permanently capped to date under	What materials are used in the cap	Comments		
reporting year(m3) Leachate (BOD) mass load (kg/annum) (kg/annum) load (kg/annum) mass load kg/annum Leachate treatment on-site leachate treatment of leachate treatment on-site leacha									
Table 7 Landfill Gas-Landfill only Was surface emissions monitoring performed	Table 6 Leachate-L Is leachate from your sit Is leachate released to s	.andfill only te treated in a Waste Water Treatment Plan surface water? If yes please complete leach	ate mass load information below				SELECT]	1
Table 7 Landfill Gas-Landfill only Was surface emissions monitoring performed	Table 6 Leachate-L Is leachate from your sit Is leachate released to s Volume of leachate in	.andfill only te treated in a Waste Water Treatment Plan surface water? If yes please complete leach	Leachate (COD) mass load			Leachate treatment on-site	SELECT Specify type of	Comments]
	Table 6 Leachate-L Is leachate from your sit Is leachate released to s Volume of leachate in	.andfill only te treated in a Waste Water Treatment Plan surface water? If yes please complete leach	Leachate (COD) mass load			Leachate treatment on-site	SELECT Specify type of	Comments]
by LFG System m3 Power generated (MW / KWh) Used on-site or to national grid year? Comments	Table 6 Leachate-L Is leachate from your sit Is leachate released to s Volume of leachate in reporting year(ns) Table 7 Landfill Ga	andfill only te treated in a Waste Water Treatment Plan surface water? If yes please complete leach Leachate (BOD) mass load (kg/annum) Please ensure that all information rep is-Landfill only	Leachate (COD) mass load (kg/annum)	load (kg/annum) consistent with the Landfil Was surface emissions monitoring performed	mass load kg/annum		SELECT Specify type of	Comments]



Guidance to completing the PRTR workbook

AER Returns Workbook

	Version 1.1.18
REFERENCE YEAR	2014
1. FACILITY IDENTIFICATION	
Parent Company Name	Murphy Concrete Manufacturing Limited
	Murphy Concrete Manufacturing Limited
PRTR Identification Number	W0151
Licence Number	W0151-01
Classes of Activity	
No.	class_name
-	Refer to PRTR class activities below
Address 1	Sarsfieldtown
Address 2	Gormanstown
Address 3	
Address 4	
	Meath
Country	
Coordinates of Location	
River Basin District	
NACE Code	
110 = 0.000	Recovery of sorted materials
AER Returns Contact Name	
AER Returns Contact Email Address	
AER Returns Contact Position	
AER Returns Contact Telephone Number	
AER Returns Contact Mobile Phone Number	
AER Returns Contact Fax Number	
Production Volume	
Production Volume Units	
Number of Installations	
Number of Operating Hours in Year	
Number of Employees	
User Feedback/Comments	
User reedback/Comments	
Web Address	
Web Address	
2. PRTR CLASS ACTIVITIES	
Activity Number	Activity Name
50.1	General
5(d)	Landfills
50.1	General
3. SOLVENTS REGULATIONS (S.I. No. 543 of 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 ?	
4 WASTE IMPORTED/ACCEPTED ONTO SITE	Guidance on wests imported/seconted anto alte
4. WASTE IMPORTED/ACCEPTED ONTO SITE	Guidance on waste imported/accepted onto site
Do you import/accept waste onto your site for on-	
site treatment (either recovery or disposal	
activities) ?	Yes

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

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

^{*} 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						
PO	LLUTANT		ME	THOD	QUANTITY						
		N	Method Used								
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year		A (Accidental) KG/Year	F (Fugitive) KG/Year		
					0.0		0.0	0.0	0.0		

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

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

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

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

Additional Data Requested from Landfill operators

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

Landfill: Murphy Concrete Manufacturing Limited

Lana.	Marphy Concrete Manadactaring Limited					
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					(Total Flaring Capacity)
Methane utilised in engine/s	0.0				0.0	(Total Utilising Capacity)
Net methane emission (as reported in Section						
A above)	0.0				N/A	

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 or

		bata on anisone monitoring of clothical acount of ground acoust of part of your notice following at clothic on the control of									
	RELEASES TO WATERS	Please enter all quantities in this section in KGs									
POL	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			

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

SECTION B: REMAINING PRTR POLLUTANTS

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

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

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

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

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

SECTION A: PRTR POLLUTANTS

0	FFSITE TRANSFER OF POLLUTANTS DESTINED F	Please enter all quantities	enter all quantities in this section in KGs						
	POLLUTANT		ME	THOD	QUANTITY				
				Method Used					
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year	
					0.	.0	0.0 0.0	0.0	

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

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

OLOTION B : REMAINING OLLOTARY Emil	olorio (as required in your Election)					_			
OFFSITE TRAN	SFER OF POLLUTANTS DESTINED FOR WASTE-V		Please enter all quantities in this section in KGs						
PO	LLUTANT		METHO	D	QUANTITY				
			Met	hod Used					
Pollutant 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		

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

4.4 RELEASES TO LAND

Link to previous years emissions data

PRTR#: W0151 | Facility Name: Murphy Concrete Manufacturing Limited | Filename: W0151-01 Annual Returns to EPA_2015.xlsx | Return Year: 2

31/03/2015 14:31

SECTION A: PRTR POLLUTANTS

	REL	EASES TO LAND			Please enter all quant	Gs	
	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
						0.0	0.0 0.0

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

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

	RELEASES TO LAND				Please enter all quantitie	Gs				
PC	LLUTANT		METHO	D						
					Meth	nod Used				
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental)) KG/Year		
					0.	0	0.0	0.0		

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

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE | PRTR#: W0151 | Facility Name: Murphy Concrete Manufacturing Limited | Filename: W0151-01 Annual Returns to EPA_2015.dsx | Return Year: 2014 |

			Please enter a	all quantities on this sheet in Tonnes								3
Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment		Method Used	Location of Treatment	Haz Waste: Name and Licence/Permit No of Next Destination Facility Non Mon 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)
Harister Destination	Code	i iazai uous		Description of waste	Operation	IVI/C/E	Wethod Osed	Healment		B N 0		
Within the Country	20 03 01	No	0.48	mixed municipal waste	D15	E	Volume Calculation	Offsite in Ireland	Panda,W0140-03	Beauparc, Navan, Co. Meath, O, Ireland Beauparc, Navan, Co.		
Within the Country	20 03 01	No	0.28	mixed municipal waste	R3	Е	Volume Calculation	Offsite in Ireland		Meath.0.Ireland		
,										,,,		

^{*} Select a row by double-clicking the Description of Waste then click the delete button

Link to previous years waste data Link to previous years waste summary data & percentage change Link to Waste Guidance 31/03/2015 14:31