2015		
W0129-02		1
Murphy Environmental Hollywo	od Ltd.	1
Hollywood Great, Nag's Head, N	laul, Co. Dublin	1
3821		
As W0129-02: Disposal Classes E315723 N258073	I, 5, 13; Recovery Classes 3, 4, 13	-
waste is accepted, and is subject Characterisation Testing, (ii) Lev Tonnage recieved in 2015 was a increase as a result of increased The facility maintains an active works were undertaken during In relation to environmental mo	t to strict Waste Acceptance Proced el 2 "1 in 100" Compliance Testing , pprox. 50% higher than 2014. Input construction/development activity Environmental Management System the reporting year.	ures as follows: (i) Level 1 Basic and (iii) Level 3 On-Site Verification Testing. tonnage to the site continues to steadily nationally. No significant infrastructure/development there were a number of breaches of trigger
	2015 W0129-02 Murphy Environmental Hollywo Hollywood Great, Nag's Head, N 3821 As W0129-02: Disposal Classes 1 E315723 N258073 The principal activity carried out waste is accepted, and is subject Characterisation Testing, (ii) Lev Tonnage recieved in 2015 was a increase as a result of increased The facility maintains an active I works were undertaken during to In relation to environmental mo levels, as detailed in the 'Completering to the the temporture in the terminal model of the temporture of the temporture in the temporture of temportur	2015 W0129-02 Murphy Environmental Hollywood Ltd. Hollywood Great, Nag's Head, Naul, Co. Dublin 3821 As W0129-02: Disposal Classes 1, 5, 13; Recovery Classes 3, 4, 13

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.

derste Mary-- -Kerstie Flanagan, PATEL TONRA LTD.

Environmental Consultant

(or nominated, suitably qualified and experienced deputy)

30/03/2016

AIR-summary template	Lic No:	W0129-02	Year	2015
Answer all questions and complete all tables where relevant 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 solvent management plan (table A4 and A5) you do not need to complete the tables		Ambient dust monitori	itional information ng was conducted at 4 monitoring the reporting year - there were no eposition ELV.	
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 the section of th	of			

No

TableA1 below

Basic air 3 Was all monitoring carried out in accordance with EPA guidance monitoring note AG2 and using the basic air monitoring checklist? <u>checklist</u>

AGN2 SELECT

Table A1: Licensed Mass Emissions/Ambient data-periodic monitoring (non-continuous)

Emission reference no:		Frequency of	ELV in licence or any revision therof	Licence Compliance criteria		Compliant with licence limit	Method of analysis	Annual mass	Comments - reason for change in % mass load from previous year if applicable
	SELECT			SELECT	SELECT	SELECT	SELECT		
	SELECT			SELECT	SELECT	SELECT	SELECT		
	SELECT			SELECT	SELECT	SELECT	SELECT		
	SELECT			SELECT	SELECT	SELECT	SELECT		

No

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

Continuous Monitoring

Does your site carry out continuous air emissions monitoring?

If yes please review your continuous monitoring data and report the required fields below in Table A2 and compare it to its relevant Emission Limit Value (ELV)

5 Did continuous monitoring equipment experience downtime? If yes please record downtime in table A2 below

SELECT		
SELECT		

6

4

Do you have a proactive service agreement for each piece of continuous monitoring equipment?

AIR-summary template	Lic No:	W0129-02	Year	2015	
7					
Did your site experience any abatement system bypasses? If yes please detail them in table A3 below	SELECT				

Table A2: Summary of average emissions -continuous monitoring

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

<u>Bypass</u>	<u>protocol</u>	
-		_

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

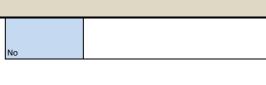
* this should include all dates that an abatement system bypass occurred

** 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

Solvent use and management on site

8 Do you have a total Emission Limit Value of direct and fugitive emissions on site? if yes please fill out tables A4 and A5

	ent Management Pla ssion limit value	n Summary	<u>Solvent</u> regulations	it regulations to and 6	
Reporting year	Total solvent input on site (kg)		Total VOC emissions as %of solvent input	Total Emission Limit Value (ELV) in licence or any revision therof	Compliance
					SELECT
					SELECT



AIR-summary	template				Lic No:	W0129-02		Year	2015			
Table A5	: Solvent Mass Balan	ce summary										
	(I) Inputs (kg)		(O) Outputs (kg)									
Solvent	(I) Inputs (kg)				Fugitive Organic Solvent (kg)	Solvent released in other ways e.g. by-	Solvents destroyed onsite through	Total emission of Solvent to air (kg)				
							Total		-			

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)	Lic N	o: W0129-02	Year	2015	
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 <u>only</u> need to complete table W1 and or W2 for storm water analysis and visual inspections	SWD surfa pum obse landf	Additional inform. Additional inform. e are 7 No. licensed Surface Water Disch 2 to SWD7 were previously surface water ce water pumping associated with quar ping activities have been suspended; th rved at these locations is sourced from ill areas. The norm is that these location ied during each surface water sampling	arge points: SWD-1 to SWD-7. er discharge points from rying operations. The water erefore any water/flow now surface water run-off from non- ns are dry; however this is		
 Was it a requirement of your licence to carry out visual inspections on any surface water discharges or watercourses on or near your site? If yes please complete table W2 below summarising only any evidence of contamination noted during visual inspections 	Yes				

Table 1	A/1 Charma								1	
lable	W1 Storm wat	er monitoring	1							
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
SW-1	upstream		Ammoniacal Nitrogen	12/05/2015 19/11/2015 EPA - 29/10/2015	N/A	N/A	0.07	mg/l NH ₄ -N	yes	
SW-1	upstream		Calcium	12/05/2015 19/11/2015 EPA - 29/10/2015	N/A	N/A	96.60	mg/l	yes	
SW-1	upstream		Chemical Oxygen Demand	12/05/2015 19/11/2015 EPA - 29/10/2015	N/A	N/A	26.33	mg/l	yes	
SW-1	upstream		Chloride	12/05/2015 19/11/2015 EPA - 29/10/2015	N/A	N/A	30.33	mg/l	yes	
SW-1	upstream		Conductivity	12/05/2015 19/11/2015 EPA - 29/10/2015	N/A	N/A	0.60	mS/cm	yes	
SW-1	upstream		Dissolved Oxygen	12/05/2015 19/11/2015 EPA - 29/10/2015	N/A	N/A	10.07	mg/l	yes	
SW-1	upstream		Magnesium	12/05/2015 19/11/2015 EPA - 29/10/2015	N/A	N/A	10.90	mg/l	yes	Results also compared against A3 waters, Surface
SW-1	upstream		Manganese	12/05/2015 19/11/2015 EPA - 29/10/2015	N/A	N/A	0.16	mg/l	yes	Water Regulations and Salmonid Water Reguations no exceedances
SW-1	upstream		Orthophosphate/Ph osphorus	12/05/2015 19/11/2015 EPA - 29/10/2015	N/A	N/A	0.05	mg/l	yes	noted in SW-1 during the reporting year.
SW-1	upstream		рН	12/05/2015 19/11/2015 EPA - 29/10/2015	N/A	N/A	7.63	рН	yes	
SW-1	upstream		Sodium	12/05/2015 19/11/2015 EPA - 29/10/2015	N/A	N/A	19.60	mg/l	yes	
SW-1	upstream		Sulphate	12/05/2015 19/11/2015 EPA - 29/10/2015	N/A	N/A	90.62	mg/l	yes	
SW-1	upstream		Temperature	12/05/2015 19/11/2015 EPA - 29/10/2015	N/A	N/A	11.00	°c	yes	

ER Monitor	ing returns su	mmary template-W/	ATER/WASTEWA	ATER(SEWER)	_	Lic No:	W0129-02		Year	2015
SW-1	upstream		Total Alkalinity	12/05/2015 19/11/2015 EPA - 29/10/2015	N/A	N/A	212.00	mg/l	yes	
SW-1	upstream		Total Suspended Solids	12/05/2015 19/11/2015 EPA - 29/10/2015	N/A	N/A	11.33	mg/l	yes	
SW-2	downstream		Ammoniacal Nitrogen	12/05/2015 19/11/2015 EPA - 29/10/2015	N/A	N/A	0.03	mg/l NH₄-N	yes	
SW-2	downstream		Calcium	12/05/2015 19/11/2015 EPA - 29/10/2015	N/A	N/A	141.30	mg/l	yes	
SW-2	downstream		Chemical Oxygen Demand	12/05/2015 19/11/2015 EPA - 29/10/2015	N/A	N/A	21.33	mg/l	yes	
SW-2	downstream		Chloride	12/05/2015 19/11/2015 EPA - 29/10/2015	N/A	N/A	36.57	mg/l	yes	
SW-2	downstream		Conductivity	12/05/2015 19/11/2015 EPA - 29/10/2015	N/A	N/A	0.70	mS/cm	yes	
SW-2	downstream		Dissolved Oxygen	12/05/2015 19/11/2015 EPA - 29/10/2015	N/A	N/A	10.13	mg/l	yes	
SW-2	downstream		Magnesium	12/05/2015 19/11/2015 EPA - 29/10/2015	N/A	N/A	12.60	mg/l	yes	Results also compared against A3 waters, Surface
SW-2	downstream		Manganese	12/05/2015 19/11/2015 EPA - 29/10/2015	N/A	N/A	0.00	mg/l	yes	Water Regulations and Salmonid Water Reguations - two exceedances of
SW-2	downstream		Orthophosphate/Ph osphorus	12/05/2015 19/11/2015 EPA - 29/10/2015	N/A	N/A	0.05	mg/l	yes	Total Suspended Solidswere noted in SW-2 during the reporting year.
SW-2	downstream		рн	12/05/2015 19/11/2015 EPA - 29/10/2015	N/A	N/A	7.87	рН	yes	
SW-2	downstream		Sodium	12/05/2015 19/11/2015 EPA - 29/10/2015	N/A	N/A	16.30	mg/l	yes	
SW-2	downstream		Sulphate	12/05/2015 19/11/2015 EPA - 29/10/2015	N/A	N/A	126.50	mg/l	yes	
SW-2	downstream		Temperature	12/05/2015 19/11/2015 EPA - 29/10/2015	N/A	N/A	11.03	°c	yes	
SW-2	downstream		Total Alkalinity	12/05/2015 19/11/2015 EPA - 29/10/2015	N/A	N/A	220.00	mg/l	yes	
SW-2	downstream		Total Suspended Solids	12/05/2015 19/11/2015 EPA - 29/10/2015	N/A	N/A	33.67	mg/l	yes	
SIMD C			Ammoniacal	10/11/2015	N1/A	N/A	0.04	ma/INIL N		
SWD-6 SWD-6	onsite		Nitrogen Chemical Oxygen	19/11/2015 19/11/2015	N/A N/A	N/A N/A	9.00	mg/l NH ₄ -N mg/l	yes yes	Results also
SWD-6	onsite		Demand Chloride	19/11/2015	N/A N/A	N/A N/A	21.70	mg/l	yes	compared against A3 waters, Surface
SWD-6	onsite		Conductivity	19/11/2015	N/A	N/A	1.31	mg/l	yes	Water Regulations
SWD-6	onsite		Dissolved Oxygen	19/11/2015	N/A	N/A	9.00	mS/cm	yes	and Salmonid
SWD-6	onsite		pН	19/11/2015	N/A	N/A	6.50	mg/l	yes	Water Reguations - exceedance of Total

AER Monitor	ing returns sur	mmary template-W	ATER/WASTEWA	TER(SEWER)		Lic No:	W0129-02		Year	2015
SWD-6	onsite		Suspended Solids	19/11/2015	35	N/A	389.00	mg/l	yes	Suspended Solids ELVwere noted in
SWD-6	onsite		Temperature	19/11/2015	N/A	N/A	9.40	mg/l	yes	SWD-6 during the reporting year.
SWD-1	onsite		Ammoniacal Nitrogen	12/05/2015 19/11/2015	N/A	N/A	0.09	mg/l NH4-N	yes	
SWD-1	onsite		Calcium	12/05/2015 19/11/2015	N/A	N/A	97.70	mg/l	yes	
SWD-1	onsite		Chemical Oxygen Demand	12/05/2015 19/11/2015	N/A	N/A	18.00	mg/l	yes	
SWD-1	onsite		Chloride	12/05/2015 19/11/2015	N/A	N/A	30.10	mg/l	yes	
SWD-1	onsite		Conductivity	12/05/2015 19/11/2015	N/A	N/A	0.64	mS/cm	yes	
SWD-1	onsite		Dissolved Oxygen	12/05/2015 19/11/2015	N/A	N/A	10.00	mg/l	yes	
SWD-1	onsite		Magnesium	12/05/2015 19/11/2015	N/A	N/A	10.80	mg/l	yes	Results also compared against
SWD-1	onsite		Manganese	12/05/2015 19/11/2015	N/A	N/A	0.16	mg/l	yes	A3 waters, Surface Water Regulations and Salmonid
SWD-1	onsite		Orthophosphate	12/05/2015 19/11/2015	N/A	N/A	0.06	mg/l	yes	Water Reguations - no exceedances noted in SWD-1
SWD-1	onsite		рН	12/05/2015 19/11/2015	N/A	N/A	7.55	рН	yes	during the reporting year.
SWD-1	onsite		Phosphorus	12/05/2015 19/11/2015	N/A	N/A	0.04	mg/l	yes	
SWD-1	onsite		Sodium	12/05/2015 19/11/2015	N/A	N/A	19.50	mg/l	yes	
SWD-1	onsite		Sulphate	12/05/2015 19/11/2015	N/A	N/A	92.57	mg/l	yes	
SWD-1	onsite		Suspended Solids	12/05/2015 19/11/2015	35	All values < ELV	10.00	mg/l	yes	
SWD-1	onsite		Temperature	12/05/2015 19/11/2015	N/A	N/A	9.55	°C	yes	
SWD-1	onsite		Total Alkalinity	12/05/2015 19/11/2015	N/A	N/A	198.00	mg/l	yes	
	SELECT	SELECT				SELECT		SELECT	SELECT	

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

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

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

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

3	Was there any result in breach of licence requirements? If y comment section of Table Wa			SELECT	Additional information	
	Was all monitoring carried out in accordance with EPA					
	guidance and checklists for Quality of Aqueous Monitoring	External /Internal				
	Data Reported to the EPA? If no please detail what areas	Lab Quality	Assessment of			
4	require improvement in additional information box	<u>checklist</u>	results checklist	SELECT		

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)	Lic No:	W0129-02	Year	2015	

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

Emission reference no:	Emission released to	Parameter/ SubstanceNote 1	Type of sample	Frequency of monitoring		ELV or trigger values in licence or any revision therof ^{Note 2}	Licence Compliance criteria	Measured value		Compliant with licence			Annual mass load (kg)	Comments
	SELECT	SELECT	SELECT		SELECT		SELECT		SELECT	SELECT	SELECT	SELECT		

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

Note 2: Where Emission Limit Values (ELV) do not apply to your licence please compare results against EQS for Surface water or relevant receptor quality standards

Continuous monitoring

Additional Information

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

If yes please summarise your continuous monitoring data below in Table W4 and compare it

to its relevant Emission Limit Value (ELV)

 $_{\rm 6}\,$ Did continuous monitoring equipment experience downtime? If yes please record downtime in table W4 below

 table W4 below
 SELECT

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

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

Table W4: Summary of average emissions -continuous monitoring

Emission reference	mission eleased to		Averaging				Monitoring	Number of ELV exceedences in reporting year	Comments
	SELECT	SELECT	SELECT	SELECT	SELECT				
	SELECT	SELECT	SELECT	SELECT	SELECT				

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

Table W5: Abatement system bypass reporting table

Date	Duration (hours)		 action*	Was a report submitted to the EPA?	When was this report submitted?
				SELECT	

*Measures taken or proposed to reduce or limit bypass frequency

Bund/Pipeline testing template	Lic No: W0129-02		Year 2015	
Bund testing dropdown menu click to see options		Additional information		
	Yes	Bund testing is stipulated in W0129-	1	
		02; however fuel is no longer stored		
		in the diesel tanks in the bunded		
		area on site (the plant items which		
		required diesel are no longer on		
Are you required by your licence to undertake integrity testing on bunds and containment structures ? if yes please fill out table B1 be	low listing all new bunds and	site). Bund testing has, therefore,		
containment structures on site, in addition to all bunds which failed the integrity test-all bunding structures which failed including mo	bile bunds must be listed in	not been required (diesel tanks are		
the table below, please include all bunds outside the licenced testing period (mobile bunds and chemstore included)		empty). The only diesel currently		
		stored on site is in the self-		
		contained mobile fuel bowser which		
		is stored in the garage building.		
1				
2 Please provide integrity testing frequency period	SELECT			
Does the site maintain a register of bunds, underground pipelines (including stormwater and foul), Tanks, sumps and containers? (cor	tainers refers to "Chemstore"			
3 type units and mobile bunds)	SELECT			
4 How many bunds are on site?				
5 How many of these bunds have been tested within the required test schedule?				
6 How many mobile bunds are on site?				
7 Are the mobile bunds included in the bund test schedule?	SELECT			
8 How many of these mobile bunds have been tested within the required test schedule?				
9 How many sumps on site are included in the integrity test schedule?			-	
10 How many of these sumps are integrity tested within the test schedule?			1	
Please list any sump integrity failures in table B1			Т	
11 Do all sumps and chambers have high level liquid alarms?	SELECT		1	
12 If yes to Q11 are these failsafe systems included in a maintenance and testing programme?	SELECT		1	
13 Is the Fire Water Retention Pond included in your integrity test programme?	SELECT		1	
Table B1: Summary details of bund /containment structure integrity test				

Bund/Containment structure ID	SELECT	Specify Other type	Product containment	Actual capacity		SELECT	Other test type	Test date	SELECT	SELECT	Integrity test failure explanation <50 words	Corrective action taken SELECT	Scheduled date	Results of retest(if in current reporting year)
	SELECT apply with 25% or 110% containment					SELECT	Commentary		SELECT	SELECT		SELECT		
Has integrity testing be	een carried out in accorda	nce with licence requirements and	are all structures tested in											
15 line with BS8007/EPA	line with BS8007/EPA Guidance? bunding and storage guidelines					SELECT								
16 Are channels/transfer	5 Are channels/transfer systems to remote containment systems tested?													
17 Are channels/transfer	systems compliant in both	integrity and available volume?	SELECT		Ī									

Pipeline/underground structure testing

Are you required by your licence to undertake integrity testing* on underground structures e.g. pipelines or sumps etc ? If yes please fill out table 2 below listing, 1 underground structures and pipelines on site which failed the integrity test and all which have not been tested withing the integrity test period as specified 2 Please provide integrity testing frequency period *please note integrity testing means water tightness testing for process and foul pipelines (as required under your licence)

g all		
	SELECT	
	SELECT	

Table	e B2: Summary details of p	ipeline/underground structures in	tegrity test						
Structure ID	Type system		Does this structure have Secondary containment?	Type of secondary containment	Type integrity testing	Integrity reports maintained on site?			Results of retest(if in current reporting year)
	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT

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

Year

		Comments
Are you required to carry out groundwater monitoring as part of your licence requirements?	yes	Please provide an interpretation of groundwater monitoring data in th
2 Are you required to carry out soil monitoring as part of your licence requirements?	no	interpretation box below or if you require additional space please
Do you extract groundwater for use on site? If yes please specify use in comment		include a groundwater/contaminated land monitoring results
³ section	no	interpretaion as an additional section in this AER
Do monitoring results show that groundwater generic assessment criteria such as GTVs or IGVs are exceeded or is there an upward 4 trend in results for a substance? If yes, please complete the Groundwater Monitoring Guideline Template Report (link in cell G8) and submit separately through ALDER as a licensee return AND answer questions 5-12 below. Groundwater Monitoring template	no	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
5 Is the contamination related to operations at the facility (either current and/or historic)	N/A	were a number of breaches of trigger levels/ELVs reported to the Agency as minor incidents during the reporting year (detailed in
6 Have actions been taken to address contamination issues? If yes please summarise		'Incidents' tab). Exceedances relative to tirgger levels/ELVs are thought
remediation strategies proposed/undertaken for the site	N/A	to be largely related to external sources, and not as a result of the
7 Please specify the proposed time frame for the remediation strategy	N/A	operation of the subject facility.
8 Is there a licence condition to carry out/update ELRA for the site?	N/A	
9 Has any type of risk assesment been carried out for the site?	N/A	
10 Has a Conceptual Site Model been developed for the site?	N/A	
11 Have potential receptors been identified on and off site?	N/A	
12 Is there evidence that contamination is migrating offsite?	N/A	

Table 1: Upgradient Groundwater monitoring results

Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration++	Average Concentration+	unit	GTV's*	SELECT**	Upward trend in pollutant concentration over last 5 years
11/03/2015	Tererence	Substance	wethodology	irequency	Concentration++	Concentration+	unit	GIVS	SELECT	of monitoring data
12/05/2015 29/07/2015	BH-5	Ammoniacal Nitrogen	Lab analysis	Quarterly	0	0.000	mg/I NH ₄ -N	N/A	DWS	No
08/12/2015 11/03/2015 12/05/2015 29/07/2015 08/12/2015	BH-5	Arsenic	Lab analysis	Quarterly	0	0.000	mg/l	N/A	DWS	No
11/03/2015	BH-5	Barium	Lab analysis	Quarterly	0	0.000	mg/l	N/A	DWS	No
11/03/2015	BH-5	Calcium	Lab analysis	Quarterly	0	0.000	mg/l	N/A	DWS	No
11/03/2015	BH-5	Chloride	Lab analysis	Quarterly	0	0.000	mg/l	75	DWS	No

Groundwater	/Soil mon	itoring templat	te		Lic No:	W0129-02		Year		2015	
11/03/2015											
12/05/2015	BH-5	Colour	Field analysis	Quarterly	0	0.000	N/A	N/A	DWS	No	
29/07/2015	··· -				č	2.000					
08/12/2015	-										
11/03/2015 12/05/2015											
29/07/2015	BH-5	Conductivity	Field analysis	Quarterly	0	0.000	mS/cm	1	DWS	No	
08/12/2015											
11/03/2015	BH-5	Cyanide	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
	DI1-5	Cyanide	Lab analysis	Annualiy	0	0.000	mg/i	N/A	DWS	NO	
11/03/2015		Discoluted									
12/05/2015 29/07/2015	BH-5	Dissolved Oxygen	Field analysis	Quarterly	0	0.000	mg/l	N/A	DWS	No	
08/12/2015		oxygen									
11/03/2015											
12/05/2015	BH-5	Iron	Lab analysis	Quarterly	0	0.000	mg/l	N/A	DWS	No	
29/07/2015	5.1 5	1011	Lub analysis	caditoriy	0	0.000	mg/i	1 1/ / 1	5115	110	
08/12/2015	1										
11/03/2015 12/05/2015											
29/07/2015	BH-5	Level, Water	Field analysis	Quarterly	0	0.000	mOD	N/A	DWS	No	
08/12/2015											
11/03/2015											
12/05/2015	BH-5	Manganese	Lab analysis	Quarterly	0	0.000	mg/l	N/A	DWS	No	
29/07/2015	-	5	, , , , , , , , , , , , , , , , , , ,				5				
08/12/2015 11/03/2015											
12/05/2015											
29/07/2015	BH-5	Odour	Field analysis	Quarterly	0	0.000	N/A	N/A	DWS	No	
08/12/2015											
11/03/2015											
12/05/2015	BH-5	рН	Field analysis	Quarterly	0	0.000	pН	6 <ph<9< td=""><td>DWS</td><td>No</td><td></td></ph<9<>	DWS	No	
29/07/2015 08/12/2015											
11/03/2015	-										
12/05/2015	BH-5	Dhanala Tatal		Overstanley	0	0.000		0.1	DWC	Ne	
29/07/2015	вн-р	Phenols, Total	Lab analysis	Quarterly	U	0.000	mg/l	0.1	DWS	No	
08/12/2015	4										
11/03/2015											
12/05/2015	BH-5	Potassium	Lab analysis	Quarterly	0	0.000	mg/l	N/A	DWS	No	
29/07/2015 08/12/2015											
11/03/2015	1										
12/05/2015	BH-5	Sodium	Lab analysis	Quarterly	0	0.000	mg/l	80	DWS	No	
29/07/2015	51-5	Julium	Lub analysis	counterry	0	0.000	mg/i	00	5005	NO	
08/12/2015	4										
11/03/2015 12/05/2015											
29/07/2015	BH-5	Sulphate	Lab analysis	Quarterly	0	0.000	mg/l	150	DWS	No	
08/12/2015											
11/03/2015	1										
12/05/2015	BH-5	Temperature	Field analysis	Ouarterly	0	0.000	°C	N/A	DWS	No	
29/07/2015		poratare	iiij5/5		S.	2.000	U				
08/12/2015	-										
11/03/2015 12/05/2015		Total Organic									
29/07/2015	BH-5	Carbon	Lab analysis	Quarterly	0	0.000	mg/l	50	DWS	No	
23/01/2013	1										

Groundwater	/Soil mo	nitoring templa	te		Lic No:	W0129-02		Year		2015	
11/03/2015 12/05/2015 29/07/2015 08/12/2015	BH-5	Total Oxidized Nitrogen	Lab analysis	Quarterly	0	0.000	mg/l	N/A	DWS	No	
11/03/2015	BH-5	Boron	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
11/03/2015	BH-5	Cadmium	Lab analysis	Annually	0	0.000	mg/l	0.004	DWS	No	
11/03/2015	BH-5	Chromium, Total	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
11/03/2015	BH-5	Coliforms, Faecal	Lab analysis	Annually	0	0.000	cfus/100ml	N/A	DWS	No	
11/03/2015	BH-5	Coliforms, Total	Lab analysis	Annually	0	0.000	cfus/100ml	N/A	DWS	No	
11/03/2015	BH-5	Copper	Lab analysis	Annually	0	0.000	mg/l	0.5	DWS	No	
11/03/2015	BH-5	Fluoride	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
11/03/2015	BH-5	Lead	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
11/03/2015	BH-5	List I and II Substances	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
11/03/2015	BH-5	Magnesium	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
11/03/2015	BH-5	Mercury	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
11/03/2015	BH-5	Orthophospha tes	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
11/03/2015	BH-5	PAHs (Total 17)	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
11/03/2015	BH-5	Phosphorus, Total	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
11/03/2015	BH-5	Total Solids	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
11/03/2015	BH-5	Zinc	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
11/03/2015 12/05/2015 29/07/2015 EPA - 29/10/2015 08/12/2015	BH-6	Ammoniacal Nitrogen	Lab analysis	Quarterly	0	0.000	mg/I NH₄-N	N/A	DWS	No	
11/03/2015 12/05/2015 29/07/2015 EPA - 29/10/2015 08/12/2015	ВН-6	Arsenic	Lab analysis	Quarterly	0	0.000	mg/l	N/A	DWS	No	
11/03/2015 12/05/2015 29/07/2015 EPA - 29/10/2015 08/12/2015	ВН-6	Barium	Lab analysis	Quarterly	0	0.000	mg/l	N/A	DWS	No	
11/03/2015 12/05/2015 29/07/2015 EPA - 29/10/2015 08/12/2015	BH-6	Calcium	Lab analysis	Quarterly	0	0.000	mg/l	N/A	DWS	No	

Groundwater	/Soil mon	nitoring templa	te		Lic No:	W0129-02		Year		2015	
11/03/2015 12/05/2015 29/07/2015 EPA - 29/10/2015 08/12/2015	BH-6	Chloride	Lab analysis	Quarterly	0	0.000	mg/l	75	DWS	No	
29/07/2015 08/12/2015	BH-6	Colour	Field analysis	Quarterly	0	0.000	N/A	N/A	DWS	No	
11/03/2015 12/05/2015 29/07/2015 EPA - 29/10/2015 08/12/2015	BH-6	Conductivity	Field analysis	Quarterly	0	0.000	mS/cm	1	DWS	No	
11/03/2015	BH-6	Cyanide	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
11/03/2015 12/05/2015 29/07/2015 EPA - 29/10/2015 08/12/2015	BH-6	Dissolved Oxygen	Field analysis	Quarterly	0	0.000	mg/l	N/A	DWS	No	
11/03/2015 12/05/2015 29/07/2015 EPA - 29/10/2015 08/12/2015	BH-6	Iron	Lab analysis	Quarterly	0	0.000	mg/l	N/A	DWS	No	
29/07/2015 08/12/2015	BH-6	Level, Water	Field analysis	Quarterly	0	0.000	mOD	N/A	DWS	No	
11/03/2015 12/05/2015 29/07/2015 EPA - 29/10/2015 08/12/2015	BH-6	Manganese	Lab analysis	Quarterly	0	0.000	mg/l	N/A	DWS	No	
29/07/2015 08/12/2015	BH-6	Odour	Field analysis	Quarterly	0	0.000	N/A	N/A	DWS	No	
11/03/2015 12/05/2015 29/07/2015 EPA - 29/10/2015 08/12/2015	BH-6	рН	Field analysis	Quarterly	0	0.000	рН	6 <ph<9< td=""><td>DWS</td><td>No</td><td></td></ph<9<>	DWS	No	
11/03/2015 12/05/2015 29/07/2015 EPA - 29/10/2015 08/12/2015	BH-6	Phenols, Total	Lab analysis	Quarterly	0	0.000	mg/l	0.1	DWS	No	

Groundwater	/Soil mor	nitoring templa	te		Lic No:	W0129-02		Year		2015	
11/03/2015 12/05/2015 29/07/2015 EPA - 29/10/2015 08/12/2015	BH-6	Potassium	Lab analysis	Quarterly	0	0.000	mg/l	N/A	DWS	No	
11/03/2015 12/05/2015 29/07/2015 EPA - 29/10/2015 08/12/2015	BH-6	Sodium	Lab analysis	Quarterly	0	0.000	mg/l	80	DWS	No	
11/03/2015 12/05/2015 29/07/2015 EPA - 29/10/2015 08/12/2015	BH-6	Sulphate	Lab analysis	Quarterly	0	0.000	mg/l	150	DWS	No	
11/03/2015 12/05/2015 29/07/2015 EPA - 29/10/2015 08/12/2015	BH-6	Temperature	Field analysis	Quarterly	0	0.000	°C	N/A	DWS	No	
11/03/2015 12/05/2015 29/07/2015 08/12/2015	BH-6	Total Organic Carbon	Lab analysis	Quarterly	0	0.000	mg/l	50	DWS	No	
11/03/2015 12/05/2015 29/07/2015 EPA - 29/10/2015 08/12/2015	BH-6	Total Oxidized Nitrogen	Lab analysis	Quarterly	0	0.000	mg/l	N/A	DWS	No	
11/03/2015 29/10/2015	BH-6	Boron	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
11/03/2015 29/10/2015	BH-6	Cadmium	Lab analysis	Annually	0	0.000	mg/l	0.004	DWS	No	
29/10/2015 11/03/2015 29/10/2015	BH-6	Chromium, Total	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
11/03/2015	BH-6	Coliforms, Faecal	Lab analysis	Annually	0	0.000	cfus/100ml	N/A	DWS	No	
11/03/2015	BH-6	Coliforms, Total	Lab analysis	Annually	0	0.000	cfus/100ml	N/A	DWS	No	
11/03/2015 29/10/2015	BH-6	Copper	Lab analysis	Annually	0	0.000	mg/l	0.5	DWS	No	
11/03/2015	BH-6	Fluoride	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
11/03/2015 29/10/2015	BH-6	Lead	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
11/03/2015	BH-6	List I and II Substances	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
11/03/2015 29/10/2015	BH-6	Magnesium	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
11/03/2015 29/10/2015	BH-6	Mercury	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
11/03/2015 29/102015	BH-6	Orthophospha tes	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
11/03/2015	BH-6	PAHs (Total 17)	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
ι	-	,									

Groundwater	/Soil mon	itoring templa	te		Lic No:	W0129-02		Year		2015	
11/03/2015	BH-6	Phosphorus, Total	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
11/03/2015	BH-6	Total Solids	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
11/03/2015 29/10/2015	BH-6	Zinc	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
11/03/2015 12/05/2015					0						
29/07/2015 08/12/2015					Ū						
11/03/2015 12/05/2015 29/07/2015	BH-8	Ammoniacal Nitrogen	Lab analysis	Quarterly	0	0.000	mg/I NH ₄ -N	N/A	DWS	No	
08/12/2015 11/03/2015 12/05/2015	BH-8	Arsenic	Lab analysis	Quarterly	0	0.000	mg/l	N/A	DWS	No	
29/07/2015 08/12/2015 11/03/2015		74001110	Lub analysis	cuartony	J. J	0.000			5.10		
12/05/2015 29/07/2015 08/12/2015	BH-8	Barium	Lab analysis	Quarterly	0	0.000	mg/l	N/A	DWS	No	
11/03/2015 12/05/2015 29/07/2015 08/12/2015	BH-8	Calcium	Lab analysis	Quarterly	0	0.000	mg/l	N/A	DWS	No	
11/03/2015 12/05/2015 29/07/2015 08/12/2015	BH-8	Chloride	Lab analysis	Quarterly	0	0.000	mg/l	75	DWS	No	
11/03/2015 12/05/2015 29/07/2015 08/12/2015	BH-8	Colour	Field analysis	Quarterly	0	0.000	N/A	N/A	DWS	No	
11/03/2015 12/05/2015 29/07/2015	BH-8	Conductivity	Field analysis	Quarterly	0	0.000	mS/cm	1	DWS	No	
<u>08/12/2015</u> 11/03/2015	BH-8	Cyanide	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
11/03/2015 12/05/2015 29/07/2015 08/12/2015	BH-8	Dissolved Oxygen	Field analysis	Quarterly	0	0.000	mg/l	N/A	DWS	No	
11/03/2015 12/05/2015 29/07/2015	BH-8	Iron	Lab analysis	Quarterly	0	0.000	mg/I	N/A	DWS	No	
08/12/2015 11/03/2015 12/05/2015 29/07/2015	BH-8	Level, Water	Field analysis	Quarterly	0	0.000	mOD	N/A	DWS	No	
08/12/2015 11/03/2015 12/05/2015 29/07/2015	BH-8	Manganese	Lab analysis	Quarterly	0	0.000	mg/l	N/A	DWS	No	
08/12/2015 11/03/2015 12/05/2015 29/07/2015	BH-8	Odour	Field analysis	Quarterly	0	0.000	N/A	N/A	DWS	No	

Groundwate	r/Soil mo	nitoring templa	te		Lic No:	W0129-02		Year		2015	
11/03/2015		0									
12/05/2015 29/07/2015 08/12/2015	BH-8	рН	Field analysis	Quarterly	0	0.000	рН	6 <ph<9< td=""><td>DWS</td><td>No</td><td></td></ph<9<>	DWS	No	
11/03/2015 12/05/2015 29/07/2015 08/12/2015	BH-8	Phenols, Total	Lab analysis	Quarterly	0	0.000	mg/l	0.1	DWS	No	
11/03/2015 12/05/2015 29/07/2015	BH-8	Potassium	Lab analysis	Quarterly	0	0.000	mg/l	N/A	DWS	No	
08/12/2015 11/03/2015 12/05/2015 29/07/2015	BH-8	Sodium	Lab analysis	Quarterly	0	0.000	mg/l	80	DWS	No	
08/12/2015 11/03/2015 12/05/2015 29/07/2015	BH-8	Sulphate	Lab analysis	Quarterly	0	0.000	mg/l	150	DWS	No	
08/12/2015 11/03/2015 12/05/2015 29/07/2015	BH-8	Temperature	Field analysis	Quarterly	0	0.000	°C	N/A	DWS	No	
08/12/2015 11/03/2015 12/05/2015 29/07/2015	BH-8	Total Organic Carbon	Lab analysis	Quarterly	0	0.000	mg/l	50	DWS	No	
08/12/2015 11/03/2015 12/05/2015 29/07/2015 08/12/2015	BH-8	Total Oxidized Nitrogen	Lab analysis	Quarterly	0	0.000	mg/l	N/A	DWS	No	
11/03/2015	BH-8	Boron	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
11/03/2015	BH-8	Cadmium	Lab analysis	Annually	0	0.000	mg/l	0.004	DWS	No	
11/03/2015	BH-8	Chromium,	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
11/03/2015	BH-8	Total Coliforms, Faecal	Lab analysis	Annually	0	0.000	cfus/100ml	N/A	DWS	No	
11/03/2015	BH-8	Coliforms, Total	Lab analysis	Annually	0	0.000	cfus/100ml	N/A	DWS	No	
11/03/2015	BH-8	Copper	Lab analysis	Annually	0	0.000	mg/l	0.5	DWS	No	
11/03/2015	BH-8	Fluoride	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
11/03/2015	BH-8	Lead	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
11/03/2015	BH-8	List I and II Substances	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
11/03/2015	BH-8	Magnesium	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
11/03/2015	BH-8	Mercury	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
11/03/2015	BH-8	Orthophospha tes	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
11/03/2015	BH-8	PAHs (Total 17)	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
11/03/2015	BH-8	Phosphorus, Total	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
11/03/2015	BH-8		Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	

Groundwater	/Soil mor	nitoring templa	ite		Lic No:	W0129-02		Year		2015	
11/03/2015	BH-8	Zinc	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
11/03/2015				-			Ū.				
12/05/2015											
29/07/2015											
08/12/2015											
11/03/2015											
12/05/2015	BH-8A	Ammoniacal	Lab apalysis	Quarterly	0	0.000	ma/INH N	N/A	DWS	No	
29/07/2015	DH-0A	Nitrogen	Lab analysis	Quarterly	0	0.000	mg/I NH ₄ -N	N/A	DWS	NO	
08/12/2015											
11/03/2015											
12/05/2015	BH-8A	Arsenic	Lab analysis	Quarterly	0	0.000	mg/l	N/A	DWS	No	
29/07/2015			, , , , , , , , , , , , , , , , , , ,				5				
08/12/2015	-										
11/03/2015											
12/05/2015	BH-8A	Barium	Lab analysis	Quarterly	0	0.000	mg/l	N/A	DWS	No	
29/07/2015											
08/12/2015 11/03/2015	1										
12/05/2015											
29/07/2015	BH-8A	Calcium	Lab analysis	Quarterly	0	0.000	mg/l	N/A	DWS	No	
08/12/2015											
11/03/2015	1										
12/05/2015		Chlorida	Lob on-lu-ir	Quarterly	0	0.000	//	75	DWC	N -	
29/07/2015	BH-8A	Chloride	Lab analysis	Quarterly	0	0.000	mg/l	75	DWS	No	
08/12/2015]										
11/03/2015											
12/05/2015	BH-8A	Colour	Field analysis	Quarterly	0	0.000	N/A	N/A	DWS	No	
29/07/2015		00.00	. Iora anarysis		0	0.000					
08/12/2015	4										
11/03/2015											
12/05/2015	BH-8A	Conductivity	Field analysis	Quarterly	0	0.000	mS/cm	1	DWS	No	
29/07/2015			-	-							
08/12/2015 11/03/2015	1										
11/03/2013	BH-8A	Cyanide	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
11/03/2015	1										
12/05/2015		Dissolved	E 11 - 1 - 1	Ourset 1	_				DWG	N	
29/07/2015	BH-8A	Oxygen	Field analysis	Quarterly	0	0.000	mg/l	N/A	DWS	No	
08/12/2015]										
11/03/2015											
12/05/2015	BH-8A	Iron	Lab analysis	Quarterly	0	0.000	mg/l	N/A	DWS	No	
29/07/2015			analysis		5	0.000			20		
08/12/2015	4										
11/03/2015											
12/05/2015	BH-8A	Level, Water	Field analysis	Quarterly	0	0.000	mOD	N/A	DWS	No	
29/07/2015			-	-							
08/12/2015 11/03/2015	1										
12/05/2015											
29/07/2015	BH-8A	Manganese	Lab analysis	Quarterly	0	0.000	mg/l	N/A	DWS	No	
08/12/2015											
11/03/2015	1										
12/05/2015		Odava	Easter an also to	Overstanley	0	0.000	N1/A	N1/0	DWC	Ne	
29/07/2015	BH-8A	Odour	Field analysis	Quarterly	0	0.000	N/A	N/A	DWS	No	
08/12/2015											
11/03/2015											
12/05/2015	BH-8A	pН	Field analysis	Quarterly	0	0.000	рН	6 <ph<9< td=""><td>DWS</td><td>No</td><td></td></ph<9<>	DWS	No	
29/07/2015		Pri	. 1010 01013315	200.0019	0	0.000	P.1	0.5611.57	2.10		
08/12/2015	1										

Groundwate	r/Soil mo	nitoring templa	te		Lic No:	W0129-02		Year		2015	
11/03/2015											
12/05/2015	BH-8A	Phenols, Total	Lab analysis	Quarterly	0	0.000	mg/l	0.1	DWS	No	
29/07/2015		,			-		.9				
08/12/2015											
11/03/2015											
12/05/2015	BH-8A	Potassium	Lab analysis	Quarterly	0	0.000	mg/l	N/A	DWS	No	
29/07/2015 08/12/2015											
11/03/2015											
12/05/2015	BH-8A	Cardinar	Lab analysia	Ourseteelu	0	0.000		80	DWS	N	
29/07/2015	ып-од	Sodium	Lab analysis	Quarterly	0	0.000	mg/l	80	DWS	No	
08/12/2015											
11/03/2015											
12/05/2015	BH-8A	Sulphate	Lab analysis	Quarterly	0	0.000	mg/l	150	DWS	No	
29/07/2015		•	5	3			0				
08/12/2015 11/03/2015	-1										
12/05/2015											
29/07/2015	BH-8A	Temperature	Field analysis	Quarterly	0	0.000	°C	N/A	DWS	No	
08/12/2015											
11/03/2015											
12/05/2015	BH-8A	Total Organic	Lab analysis	Quarterly	0	0.000	mg/l	50	DWS	No	
29/07/2015	5 6.1	Carbon		quartony	0	0.000		00	50		
08/12/2015	_										
11/03/2015		Total									
12/05/2015 29/07/2015	BH-8A	Oxidized	Lab analysis	Quarterly	0	0.000	mg/l	N/A	DWS	No	
08/12/2015		Nitrogen									
11/03/2015		0	1.1	A II	0	0.000			DIALO		
	BH-8A	Cyanide	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
11/03/2015	BH-8A	Cadmium	Lab analysis	Annually	0	0.000	mg/l	0.004	DWS	No	
11/03/2015	BH-8A	Chromium,	Lob opolysis	Appually	0	0.000	mg/l	N/A	DWS	No	
	BH-6A	Total	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
11/03/2015	BH-8A	Coliforms, Faecal	Lab analysis	Annually	0	0.000	cfus/100ml	N/A	DWS	No	
11/03/2015	_	Coliforms,									
11/03/2013	BH-8A	Total	Lab analysis	Annually	0	0.000	cfus/100ml	N/A	DWS	No	
11/03/2015	DIL CA		Lob on the state	Appusli	0	0.000	ne //	0.5	DWC	NI	
	BH-8A	Copper	Lab analysis	Annually	0	0.000	mg/l	0.5	DWS	No	
11/03/2015	BH-8A	Fluoride	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
11/00/07-1-		i luonue	232 41419313	, amouny	0	0.000	1119/1	19773	2113	110	
11/03/2015	BH-8A	Lead	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
11/03/2015	-	List I and II									
11/03/2013	BH-8A	Substances	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
11/03/2015			Lob opolysi-	Appually	0	0.000	mg/l	NI/A	DWC	No	
	BH-8A	Magnesium	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
11/03/2015	BH-8A	Mercury	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
11/00/07-1-		-	-		0	0.000		19/75			
11/03/2015	BH-8A	Orthophospha tes	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
11/03/2015	-	tes PAHs (Total		-			-				
11/03/2013	BH-8A	17)	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
11/03/2015		Phosphorus,	1.1	A	0	0.000		N 1/2	DWC	Ne	
	BH-8A	Total	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
11/03/2015	BH-8A	Total Solids	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
11/00/07:5		10101 00103			0	0.000		19/75	2.10	110	
11/03/2015	BH-8A	Zinc	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
L	_		-	-			-				

Groundw	ater/Soil m	onitoring templa	ite		Lic No:	W0129-02		Year		2015	
11/03/201											
12/05/201											
29/07/201											
08/12/201											
11/03/201											
12/05/201		Ammoniacal	Lab analysis	Quarterly	0	0.000	mg/I NH ₄ -N	N/A	DWS	No	
29/07/201	15	Nitrogen		2	-		5 7				
08/12/201											
11/03/201											
12/05/201		Arsenic	Lab analysis	Quarterly	0	0.000	mg/l	N/A	DWS	No	
29/07/201											
<u>08/12/201</u> 11/03/201											
12/05/201	F										
29/07/201		Barium	Lab analysis	Quarterly	0	0.000	mg/l	N/A	DWS	No	
08/12/201											
11/03/201											
12/05/201	-	0.1.1	1.1.1.1.1.1.1.1	Overstanle	0	0.000		N1/A	DWC	N -	
29/07/201		Calcium	Lab analysis	Quarterly	0	0.000	mg/l	N/A	DWS	No	
08/12/201											
11/03/201											
12/05/201		Chloride	Lab analysis	Quarterly	0	0.000	mg/l	75	DWS	No	
29/07/201		Chionae	cab analysis	Quarterry	0	0.000	mg/i	15	5005	NO	
08/12/201	5										
11/03/201											
12/05/201		Colour	Field analysis	Quarterly	0	0.000	N/A	N/A	DWS	No	
29/07/201	15				-				-		
08/12/201											
11/03/201											
12/05/201		Conductivity	Field analysis	Quarterly	0	0.000	mS/cm	1	DWS	No	
29/07/201 08/12/201											
<u>08/12/201</u> 11/03/201	F										
11/03/201	BH-9	Cyanide	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
11/03/201	15										
12/05/201	-	Dissolved	Eletet en statut	Owned	0	0.000			DWC		
29/07/201		Oxygen	Field analysis	Quarterly	0	0.000	mg/l	N/A	DWS	No	
08/12/201	5										
11/03/201	15										
12/05/201		Iron	Lab analysis	Quarterly	0	0.000	mg/l	N/A	DWS	No	
29/07/201	15	non	cab analysis	counterry	0	0.000	mg/i	19/71	5115	110	
08/12/201											
11/03/201											
12/05/201		Level, Water	Field analysis	Quarterly	0	0.000	mOD	N/A	DWS	No	
29/07/201	.5		2	2							
08/12/201											
11/03/201	F										
12/05/201		Manganese	Lab analysis	Quarterly	0	0.000	mg/l	N/A	DWS	No	
29/07/201 08/12/201											
08/12/201 11/03/201											
12/05/201	c										
29/07/201		Odour	Field analysis	Quarterly	0	0.000	N/A	N/A	DWS	No	
08/12/201											
11/03/201											
12/05/201	-		E . 1 1 1 1 1		0	0.000		(DIMO		
29/07/201		рН	Field analysis	Quarterly	0	0.000	рН	6 <ph<9< td=""><td>DWS</td><td>No</td><td></td></ph<9<>	DWS	No	
08/12/201											

Groundwate	r/Soil mon	nitoring templat	te		Lic No:	W0129-02		Year		2015	
11/03/2015											
12/05/2015	BH-9	Phenols, Total	l ab analysis	Quarterly	0	0.000	mg/l	0.1	DWS	No	
29/07/2015	50-7	riteriois, i'Uldi	Lab analysis	Quarterry	U	0.000	iiig/i	0.1	0003	NU	
08/12/2015	_										
11/03/2015											
12/05/2015	BH-9	Potassium	Lab analysis	Quarterly	0	0.000	mg/l	N/A	DWS	No	
29/07/2015				5			5				
08/12/2015	-										
11/03/2015											
12/05/2015	BH-9	Sodium	Lab analysis	Quarterly	0	0.000	mg/l	80	DWS	No	
29/07/2015 08/12/2015											
11/03/2015	-										
12/05/2015											
29/07/2015	BH-9	Sulphate	Lab analysis	Quarterly	0	0.000	mg/l	150	DWS	No	
08/12/2015	1										
11/03/2015	7										
12/05/2015	BH-9	Temperature	Field analysis	Quarterly	0	0.000	°C	N/A	DWS	No	
29/07/2015	511-7	remperature	neiu analysis	Quarterry	U	0.000		IV/A	0113	NU	
08/12/2015	4										
11/03/2015		TILLO									
12/05/2015	BH-9	Total Organic	Lab analysis	Quarterly	0	0.000	mg/l	50	DWS	No	
29/07/2015		Carbon					-				
08/12/2015 11/03/2015	-										
12/05/2015		Total									
29/07/2015	BH-9		Lab analysis	Quarterly	0	0.000	mg/l	N/A	DWS	No	
08/12/2015	1	Nitrogen									
11/03/2015		Danas	Lab and de	A	2	0.000	- 1		DWC		
	BH-9	Boron	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
11/03/2015	BH-9	Cadmium	Lab analysis	Annually	0	0.000	mg/l	0.004	DWS	No	
	4		200 01019313		0	0.000	iiig/i	0.004	2.10		
11/03/2015	BH-9	Chromium,	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
11/02/2015		Total	2	2			5				
11/03/2015	BH-9	Coliforms, Faecal	Lab analysis	Annually	0	0.000	cfus/100ml	N/A	DWS	No	
11/03/2015	-	Coliforms,									
11/05/2015	BH-9	Total	Lab analysis	Annually	0	0.000	cfus/100ml	N/A	DWS	No	
11/03/2015	1										
11,05,2015	BH-9	Copper	Lab analysis	Annually	0	0.000	mg/l	0.5	DWS	No	
11/03/2015		Elsen 1	Lab and de	A	2	0.000	- 1		DWC		
	BH-9	Fluoride	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
11/03/2015	BH-9	Lead	Lab analysis	Annually	0	0.000	ma/l	N/A	DWS	No	
	50-7		Lan analysis	Annually	U	0.000	mg/l	IN/A	0003	NU	
11/03/2015	BH-9	List I and II	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
	4	Substances			Ū.	0.000		19/75	2.10		
11/03/2015	BH-9	Magnesium	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
44/02/2217	-				-		.9				
11/03/2015	BH-9	Mercury	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
11/02/2015		-	2				5				
11/03/2015	BH-9	Orthophospha tes	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
11/03/2015	-	PAHs (Total									
11/05/2015	BH-9	17)	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
11/03/2015	1	Phosphorus,							5.4.6		
11,00,2010	BH-9	Total	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
11/03/2015	BLL O		Lob opolysis	Appuelly	0	0.000	ma //	NI/A	DWC	No	
	BH-9	Total Solids	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
11/03/2015	BH-9	Zinc	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
	2117	200	cao anaiyaia	. unidany	0	0.000		11/ 7	0,40	NO	

Groundwater	/Soil mon	itoring templa	ate		Lic No:	W0129-02		Year		2015	
11/03/2015 12/05/2015 29/07/2015 08/12/2015 11/03/2015					0	0.000					
12/05/2015 29/07/2015 EPA - 29/10/2015 08/12/2015	BH-11A	Ammoniacal Nitrogen	Lab analysis	Quarterly	0	0.000	mg/I NH₄-N	N/A	DWS	No	
11/03/2015 12/05/2015 29/07/2015 EPA - 29/10/2015 08/12/2015	BH-11A	Arsenic	Lab analysis	Quarterly	0	0.000	mg/l	N/A	DWS	No	
11/03/2015 12/05/2015 29/07/2015 EPA - 29/10/2015 08/12/2015	BH-11A	Barium	Lab analysis	Quarterly	0	0.000	mg/l	N/A	DWS	No	
11/03/2015 12/05/2015 29/07/2015 EPA - 29/10/2015 08/12/2015	BH-11A	Calcium	Lab analysis	Quarterly	0	0.000	mg/l	N/A	DWS	No	
11/03/2015 12/05/2015 29/07/2015 EPA - 29/10/2015 08/12/2015	BH-11A	Chloride	Lab analysis	Quarterly	0	0.000	mg/l	75	DWS	No	
11/03/2015 12/05/2015 29/07/2015	BH-11A	Colour	Field analysis	Quarterly	0	0.000	N/A	N/A	DWS	No	
08/12/2015 11/03/2015 12/05/2015 29/07/2015 EPA - 29/10/2015 08/12/2015	BH-11A	Conductivity	Field analysis	Quarterly	0	0.000	mS/cm	1	DWS	No	
11/03/2015 12/05/2015 29/07/2015 EPA - 29/10/2015 08/12/2015	BH-11A	Dissolved Oxygen	Field analysis	Quarterly	0	0.000	mg/l	N/A	DWS	No	
11/03/2015 12/05/2015 29/07/2015 EPA - 29/10/2015 08/12/2015	BH-11A	Iron	Lab analysis	Quarterly	0	0.000	mg/l	N/A	DWS	No	
11/03/2015 12/05/2015 29/07/2015 08/12/2015	BH-11A	Level, Water	Field analysis	Quarterly	0	0.000	mOD	N/A	DWS	No	

Groundwater	/Soil mon	itoring templa	te		Lic No:	W0129-02		Year		2015	
11/03/2015 12/05/2015 29/07/2015 EPA - 29/10/2015 08/12/2015	BH-11A	Manganese	Lab analysis	Quarterly	0	0.000	mg/l	N/A	DWS	No	
11/03/2015 12/05/2015 29/07/2015 08/12/2015 11/03/2015	BH-11A	Odour	Field analysis	Quarterly	0	0.000	N/A	N/A	DWS	No	
12/05/2015 12/05/2015 29/07/2015 EPA - 29/10/2015 08/12/2015	BH-11A	рН	Field analysis	Quarterly	0	0.000	рН	6 <ph<9< td=""><td>DWS</td><td>No</td><td></td></ph<9<>	DWS	No	
11/03/2015 12/05/2015 29/07/2015 08/12/2015	BH-11A	Phenols, Total	Lab analysis	Quarterly	0	0.000	mg/l	0.1	DWS	No	
11/03/2015 12/05/2015 29/07/2015 EPA - 29/10/2015 08/12/2015	BH-11A	Potassium	Lab analysis	Quarterly	0	0.000	mg/l	N/A	DWS	No	
11/03/2015 12/05/2015 29/07/2015 EPA - 29/10/2015 08/12/2015	BH-11A	Sodium	Lab analysis	Quarterly	0	0.000	mg/l	80	DWS	No	
11/03/2015 12/05/2015 29/07/2015 EPA - 29/10/2015 08/12/2015	BH-11A	Sulphate	Lab analysis	Quarterly	0	0.000	mg/l	150	DWS	No	
11/03/2015 12/05/2015 29/07/2015 EPA - 29/10/2015 08/12/2015	BH-11A	Temperature	Field analysis	Quarterly	0	0.000	°C	N/A	DWS	No	
11/03/2015 12/05/2015 29/07/2015 08/12/2015	BH-11A	Total Organic Carbon	Lab analysis	Quarterly	0	0.000	mg/l	50	DWS	Yes	
11/03/2015 12/05/2015 29/07/2015 EPA - 29/10/2015 08/12/2015	BH-11A	Total Oxidized Nitrogen	Lab analysis	Quarterly	0	0.000	mg/l	N/A	DWS	No	
11/03/2015	BH-11A	Boron	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
29/10/2015 11/03/2015 20/10/2015	BH-11A	Cadmium	Lab analysis	Annually	0	0.000	mg/l	0.004	DWS	No	
29/10/2015 11/03/2015 29/10/2015	BH-11A	Chromium, Total	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	

Groundwater	/Soil mon	itoring templa	te		Lic No:	W0129-02		Year		2015	
11/03/2015	BH-11A	Coliforms, Faecal	Lab analysis	Annually	0	0.000	cfus/100ml	N/A	DWS	No	
11/03/2015	BH-11A	Coliforms, Total	Lab analysis	Annually	0	0.000	cfus/100ml	N/A	DWS	No	
11/03/2015 29/10/2015	BH-11A	Copper	Lab analysis	Annually	0	0.000	mg/l	0.5	DWS	No	
11/03/2015	BH-11A	Cyanide	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
11/03/2015	BH-11A	Fluoride	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
11/03/2015 29/10/2015	BH-11A	Lead	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
11/03/2015	BH-11A	List I and II Substances	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
11/03/2015 29/10/2015	BH-11A	Magnesium	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
11/03/2015 29/10/2015	BH-11A	Mercury	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
11/03/2015 29/10/2015	BH-11A	Orthophospha tes	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
11/03/2015	BH-11A	PAHs (Total 17)	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
11/03/2015	BH-11A	Phosphorus, Total	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
11/03/2015	BH-11A	Total Solids	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	
11/03/2015 29/10/2015	BH-11A	Zinc	Lab analysis	Annually	0	0.000	mg/l	N/A	DWS	No	

.+ where average indicates arithmetic mean

mum measured concentration from all monitoring results produced during the reporting year 2: Downgradient Groundwater monitoring results

Date of sampling	Sample	Parameter/	Methodology	Monitoring	Maximum	Average	unit	GTV's*	SELECT**	Upward trend in
	location	Substance		frequency	Concentration	Concentration				yearly average
	reference									pollutant
										concentration over
										last 5 years of
										monitoring data
11/03/2015	BH-4A	Ammoniacal	Lab analysis	Quarterly	0.61	0.220	mg/I NH4-N	N/A	DWS	No
12/05/2015		Nitrogen								
29/07/2015										
08/12/2015										
11/03/2015	BH-4A	Arsenic	Lab analysis	Quarterly	0.003	0.003	mg/l	N/A	DWS	No
12/05/2015										
29/07/2015										
08/12/2015										
11/03/2015	BH-4A	Barium	Lab analysis	Quarterly	0.013	0.010	mg/I	N/A	DWS	No
12/05/2015										
29/07/2015										
08/12/2015										
11/03/2015	BH-4A	Calcium	Lab analysis	Quarterly	106.8	85.775	mg/I	N/A	DWS	No
12/05/2015										
29/07/2015										
08/12/2015				A						
11/03/2015	BH-4A	Chloride	Lab analysis	Quarterly	23.8	22.025	mg/I	75	DWS	No
12/05/2015										
29/07/2015										
08/12/2015	511.44	<u> </u>	5 511555155	0		N1/A	N/ (A		514/6	
11/03/2015	BH-4A	Colour	Field analysis	Quarterly	N/A	N/A	N/A	N/A	DWS	No
12/05/2015										
29/07/2015										
08/12/2015		1	1						1	

roundwater	/soii monit	oring templat	e		Lic No:	W0129-02		Year	2015	
11/03/2015 12/05/2015 29/07/2015 08/12/2015	BH-4A	Conductivity	Field analysis	Quarterly	0.63	0.605	mS/cm	1	DWS	No
11/03/2015	BH-4A	Cyanide	Lab analysis	Annually	0.01	0.010	mg/l	N/A	DWS	No
11/03/2015 12/05/2015 29/07/2015 08/12/2015	BH-4A	Dissolved Oxygen	Field analysis	Quarterly	7	3.750	mg/l	N/A	DWS	No
11/03/2015 12/05/2015 29/07/2015 08/12/2015	BH-4A	Iron	Lab analysis	Quarterly	0.065	0.040	mg/l	N/A	DWS	No
11/03/2015 12/05/2015 29/07/2015 08/12/2015	BH-4A	Level, Water	Field analysis	Quarterly	93.9	93.733	mOD	N/A	DWS	No
08/12/2015 11/03/2015 12/05/2015 29/07/2015 08/12/2015	BH-4A	Manganese	Lab analysis	Quarterly	0.278	0.195	mg/l	N/A	DWS	No
11/03/2015 12/05/2015 29/07/2015 08/12/2015	BH-4A	Odour	Field analysis	Quarterly	N/A	N/A	N/A	N/A	DWS	No
11/03/2015 12/05/2015 29/07/2015 08/12/2015	BH-4A	рН	Field analysis	Quarterly	9.1	7.975	рН	6 <ph<9< td=""><td>DWS</td><td>No</td></ph<9<>	DWS	No
11/03/2015 12/05/2015 29/07/2015 08/12/2015	BH-4A	Phenols, Total	Lab analysis	Quarterly	0.1	0.100	mg/l	0.1	DWS	No
11/03/2015 12/05/2015 29/07/2015 08/12/2015	BH-4A	Potassium	Lab analysis	Quarterly	2.5	1.725	mg/l	N/A	DWS	No
11/03/2015 12/05/2015 29/07/2015 08/12/2015	BH-4A	Sodium	Lab analysis	Quarterly	105.7	37.600	mg/l	80	DWS	No
11/03/2015 12/05/2015 29/07/2015 08/12/2015	BH-4A	Sulphate	Lab analysis	Quarterly	55.94	34.585	mg/l	150	DWS	No
11/03/2015 12/05/2015 29/07/2015 08/12/2015	BH-4A	Temperature	Field analysis	Quarterly	18.6	13.600	οC	N/A	DWS	No
11/03/2015 12/05/2015 29/07/2015 08/12/2015	BH-4A	Total Organic Carbon	Lab analysis	Quarterly	7	2.800	mg/l	50	DWS	No
11/03/2015 12/05/2015 29/07/2015 08/12/2015	BH-4A	Total Oxidized Nitrogen	Lab analysis	Quarterly	0.2	0.200	mg/l	N/A	DWS	No
11/03/2015	BH-4A	Boron	Lab analysis	Annually	0.012	0.012	mg/l	N/A	DWS	No

Groundwater/	Soil monit	oring templat	e		Lic No:	W0129-02		Year	2015	
11/03/2015	BH-4A	Cadmium	Lab analysis	Annually	0.0005	0.001	mg/l	0.004	DWS	No
11/03/2015	BH-4A	Chromium, Total	Lab analysis	Annually	0.0015	0.002	mg/l	N/A	DWS	No
11/03/2015	BH-4A	Coliforms, Faecal	Lab analysis	Annually	0	0.000	cfus/100ml	N/A	DWS	No
11/03/2015	BH-4A	Coliforms, Total	Lab analysis	Annually	0	0.000	cfus/100ml	N/A	DWS	No
11/03/2015	BH-4A	Copper	Lab analysis	Annually	0.007	0.007	mg/l	0.5	DWS	No
11/03/2015	BH-4A	Fluoride	Lab analysis	Annually	0.3	0.300	mg/l	N/A	DWS	No
11/03/2015	BH-4A	Lead	Lab analysis	Annually	0.005	0.005	mg/l	N/A	DWS	No
11/03/2015	BH-4A	List I and II Substances	Lab analysis	Annually	0.01	0.010	mg/l	N/A	DWS	No
11/03/2015	BH-4A	Magnesium	Lab analysis	Annually	9.7	9.700	mg/l	N/A	DWS	No
11/03/2015	BH-4A	Mercury	Lab analysis	Annually	0.001	0.001	mg/l	N/A	DWS	No
11/03/2015	BH-4A	Orthophosphate s	Lab analysis	Annually	0.03	0.030	mg/l	N/A	DWS	No
11/03/2015	BH-4A	PAHs (Total 17)	Lab analysis	Annually	0.01	0.010	mg/l	N/A	DWS	No
11/03/2015	BH-4A	Phosphorus, Total	Lab analysis	Annually	0.081	0.081	mg/l	N/A	DWS	No
11/03/2015	BH-4A	Total Solids	Lab analysis	Annually	456	456.000	mg/l	N/A	DWS	No
11/03/2015	BH-4A	Zinc	Lab analysis	Annually	0.003	0.003	mg/l	N/A	DWS	No
11/03/2015 23/10/2015 EPA - 29/10/2015 08/12/2015	BH-10A	Ammoniacal Nitrogen	Lab analysis	Quarterly	0.03	0.030	mg/I NH4-N	N/A	DWS	No
11/03/2015 23/10/2015 EPA - 29/10/2015 08/12/2015	BH-10A	Arsenic	Lab analysis	Quarterly	0.003	0.003	mg/l	N/A	DWS	No
11/03/2015 23/10/2015 EPA - 29/10/2015 08/12/2015	BH-10A	Barium	Lab analysis	Quarterly	0.013	0.011	mg/l	N/A	DWS	No
11/03/2015 23/10/2015 EPA - 29/10/2015 08/12/2015	BH-10A	Calcium	Lab analysis	Quarterly	176.6	151.500	mg/l	N/A	DWS	No
11/03/2015 23/10/2015 EPA - 29/10/2015 08/12/2015	BH-10A	Chloride	Lab analysis	Quarterly	50	46.275	mg/l	75	DWS	No
11/03/2015 23/10/2015 08/12/2015	BH-10A	Colour	Field analysis	Quarterly	N/A	N/A	N/A	N/A	DWS	No

Groundwater/	Soil monite	oring templat	e		Lic No:	W0129-02		Year	2015	
11/03/2015 23/10/2015 EPA - 29/10/2015 08/12/2015	BH-10A	Conductivity	Field analysis	Quarterly	0.88	0.835	mS/cm	1	DWS	No
11/03/2015 23/10/2015 EPA - 29/10/2015 08/12/2015	BH-10A	Dissolved Oxygen	Field analysis	Quarterly	10	7.500	mg/l	N/A	DWS	No
11/03/2015 23/10/2015 EPA - 29/10/2015 08/12/2015	BH-10A	Iron	Lab analysis	Quarterly	0.02	0.020	mg/l	N/A	DWS	No
11/03/2015 23/10/2015 08/12/2015	BH-10A	Level, Water	Field analysis	Quarterly	103.38	101.503	mOD	N/A	DWS	No
11/03/2015 23/10/2015 EPA - 29/10/2015 08/12/2015	BH-10A	Manganese	Lab analysis	Quarterly	0.002	0.002	mg/l	N/A	DWS	No
11/03/2015 23/10/2015 08/12/2015	BH-10A	Odour	Field analysis	Quarterly	N/A	N/A	N/A	N/A	DWS	No
11/03/2015 23/10/2015 EPA - 29/10/2015 08/12/2015	BH-10A	рН	Field analysis	Quarterly	7.9	7.625	рH	6 <ph<9< td=""><td>DWS</td><td>No</td></ph<9<>	DWS	No
11/03/2015 23/10/2015 08/12/2015	BH-10A	Phenols, Total	Lab analysis	Quarterly	0.1	0.100	mg/l	0.1	DWS	No
11/03/2015 12/05/2015 29/07/2015 08/12/2015	BH-10A	Potassium	Lab analysis	Quarterly	2.7	2.550	mg/l	N/A	DWS	No
11/03/2015 23/10/2015 EPA - 29/10/2015 08/12/2015	BH-10A	Sodium	Lab analysis	Quarterly	24.7	22.525	mg/l	80	DWS	No
11/03/2015 23/10/2015 EPA - 29/10/2015 08/12/2015	BH-10A	Sulphate	Lab analysis	Quarterly	283.22	257.368	mg/l	150	DWS	No
11/03/2015 12/05/2015 29/07/2015 EPA - 29/10/2015 08/12/2015	BH-10A	Temperature	Field analysis	Quarterly	16	12.100	oC	N/A	DWS	No
11/03/2015 23/10/2015 08/12/2015	BH-10A	Total Organic Carbon	Lab analysis	Quarterly	3	2.250	mg/l	50	DWS	No

		toring templat			Lic No:	W0129-02		Year	2015	
11/03/2015 23/10/2015 PA - 29/10/2015 08/12/2015	BH-10A	Total Oxidized Nitrogen	Lab analysis	Quarterly	0.4	0.325	mg/l	N/A	DWS	No
11/03/2015 EPA - 29/10/2015	BH-10A	Boron	Lab analysis	Annually	0.012	0.012	mg/l	N/A	DWS	No
11/03/2015 EPA - 29/10/2015	BH-10A	Cadmium	Lab analysis	Annually	0.0005	0.001	mg/l	0.004	DWS	No
11/03/2015 EPA - 29/10/2015	BH-10A	Chromium, Total	Lab analysis	Annually	0.0015	0.002	mg/l	N/A	DWS	No
11/03/2015	BH-10A	Coliforms, Faecal	Lab analysis	Annually	2	2.000	cfus/100ml	N/A	DWS	No
11/03/2015	BH-10A	Coliforms, Total	Lab analysis	Annually	2	2.000	cfus/100ml	N/A	DWS	No
11/03/2015 EPA - 29/10/2015	BH-10A	Copper	Lab analysis	Annually	0.007	0.007	mg/l	0.5	DWS	No
11/03/2015	BH-10A	Cyanide	Lab analysis	Annually	0.01	0.010	mg/l	N/A	DWS	No
11/03/2015	BH-10A	Fluoride	Lab analysis	Annually	0.3	0.300	mg/l	N/A	DWS	No
11/03/2015 EPA - 29/10/2015	BH-10A	Lead	Lab analysis	Annually	0.005	0.005	mg/l	N/A	DWS	No
11/03/2015	BH-10A	List I and II Substances	Lab analysis	Annually	0.01	0.010	mg/l	N/A	DWS	No
11/03/2015 EPA - 29/10/2015	BH-10A	Magnesium	Lab analysis	Annually	12.9	12.900	mg/l	N/A	DWS	No
11/03/2015 EPA - 29/10/2015	BH-10A	Mercury	Lab analysis	Annually	0.001	0.001	mg/l	N/A	DWS	No
11/03/2015 EPA - 29/10/2015	BH-10A	Orthophosphate s	Lab analysis	Annually	0.03	0.030	mg/l	N/A	DWS	No
11/03/2015	BH-10A	PAHs (Total 17)	Lab analysis	Annually	0.01	0.010	mg/l	N/A	DWS	No
11/03/2015	BH-10A	Phosphorus, Total	Lab analysis	Annually	0.192	0.192	mg/l	N/A	DWS	No
11/03/2015	BH-10A	Total Solids	Lab analysis	Annually	734	734.000	mg/l	N/A	DWS	No
11/03/2015 EPA - 29/10/2031	BH-10A	Zinc	Lab analysis	Annually	0.004	0.004	mg/l	N/A	DWS	No
11/03/2015 12/05/2015 29/07/2015 08/12/2015	BH-12	Ammoniacal Nitrogen	Lab analysis	Quarterly	0.17	0.083	mg/I NH4-N	N/A	DWS	No
11/03/2015 12/05/2015 29/07/2015 08/12/2015	BH-12	Arsenic	Lab analysis	Quarterly	0.003	0.003	mg/l	N/A	DWS	No
11/03/2015 12/05/2015 29/07/2015 08/12/2015	BH-12	Barium	Lab analysis	Quarterly	0.017	0.012	mg/l	N/A	DWS	No

Groundwater,	/Soil monite	oring templat	te		Lic No:	W0129-02		Year	2015	
11/03/2015 12/05/2015 29/07/2015	BH-12	Calcium	Lab analysis	Quarterly	24	19.025	mg/l	N/A	DWS	No
08/12/2015 11/03/2015 12/05/2015	BH-12	Chloride	Lab analysis	Quarterly	6.4	3.875	mg/l	75	DWS	No
29/07/2015 08/12/2015										
11/03/2015 12/05/2015 29/07/2015 08/12/2015	BH-12	Colour	Field analysis	Quarterly	N/A	N/A	N/A	N/A	DWS	No
11/03/2015 12/05/2015 29/07/2015 08/12/2015	BH-12	Conductivity	Field analysis	Quarterly	0.2	0.145	mS/cm	1	DWS	No
11/03/2015 12/05/2015 29/07/2015 08/12/2015	BH-12	Dissolved Oxygen	Field analysis	Quarterly	10	6.500	mg/l	N/A	DWS	No
11/03/2015 12/05/2015 29/07/2015 08/12/2015	BH-12	Iron	Lab analysis	Quarterly	0.365	0.106	mg/l	N/A	DWS	No
11/03/2015 12/05/2015 29/07/2015 08/12/2015	BH-12	Level, Water	Field analysis	Quarterly	102.33	100.890	mOD	N/A	DWS	No
11/03/2015 12/05/2015 29/07/2015 08/12/2015	BH-12	Manganese	Lab analysis	Quarterly	0.042	0.012	mg/l	N/A	DWS	No
11/03/2015 12/05/2015 29/07/2015 08/12/2015	BH-12	Odour	Field analysis	Quarterly	N/A	N/A	N/A	N/A	DWS	No
11/03/2015 12/05/2015 29/07/2015 08/12/2015	BH-12	рН	Field analysis	Quarterly	8.2	7.600	рН	6 <ph<9< td=""><td>DWS</td><td>No</td></ph<9<>	DWS	No
11/03/2015 12/05/2015 29/07/2015 08/12/2015	BH-12	Phenols, Total	Lab analysis	Quarterly	0.1	0.100	mg/l	0.1	DWS	No
11/03/2015 12/05/2015 29/07/2015 08/12/2015	BH-12	Potassium	Lab analysis	Quarterly	2.6	2.225	mg/l	N/A	DWS	No
11/03/2015 12/05/2015 29/07/2015 08/12/2015	BH-12	Sodium	Lab analysis	Quarterly	6.1	3.975	mg/l	80	DWS	No
11/03/2015 12/05/2015 29/07/2015 08/12/2015	BH-12	Sulphate	Lab analysis	Quarterly	11.69	4.358	mg/l	150	DWS	No
11/03/2015 12/05/2015 29/07/2015 08/12/2015	BH-12	Temperature	Field analysis	Quarterly	12.8	10.925	oC	N/A	DWS	No

Groundwater	/Soil monit	oring templat	e		Lic No:	W0129-02		Year	2015	
11/03/2015 12/05/2015 29/07/2015	BH-12	Total Organic Carbon	Lab analysis	Quarterly	4	2.500	mg/l	50	DWS	Yes
08/12/2015 11/03/2015 12/05/2015 29/07/2015	BH-12	Total Oxidized Nitrogen	Lab analysis	Quarterly	1.2	0.625	mg/l	N/A	DWS	No
08/12/2015 11/03/2015	BH-12	Boron	Lab analysis	Annually	0.012	0.012	mg/I	N/A	DWS	No
11/03/2015	BH-12	Cadmium	Lab analysis	Annually	0.0005	0.001	mg/I	0.004	DWS	No
11/03/2015	BH-12	Chromium, Total	Lab analysis	Annually	0.0015	0.002	mg/l	N/A	DWS	No
11/03/2015	BH-12	Coliforms, Faecal	Lab analysis	Annually	0	0.000	cfus/100ml	N/A	DWS	No
11/03/2015	BH-12	Coliforms, Total	Lab analysis	Annually	0	0.000	cfus/100ml	N/A	DWS	No
11/03/2015	BH-12	Copper	Lab analysis	Annually	0.007	0.007	mg/l	0.5	DWS	No
11/03/2015	BH-12	Cyanide	Lab analysis	Annually	0.01	0.010	mg/I	N/A	DWS	No
11/03/2015	BH-12	Fluoride	Lab analysis	Annually	0.3	0.300	mg/l	N/A	DWS	No
11/03/2015	BH-12	Lead	Lab analysis	Annually	0.005	0.005	mg/l	N/A	DWS	No
11/03/2015	BH-12 BH-12	List I and II Substances	Lab analysis	Annually	0.01	0.010	mg/l	N/A	DWS DWS	No
	BH-12 BH-12	Magnesium	Lab analysis	Annually			mg/l	N/A	DWS	
11/03/2015	BH-12 BH-12	Mercury	Lab analysis	Annually	0.001	0.001	mg/l	N/A		No
11/03/2015	BH-12 BH-12	Orthophosphate s PAHs (Total 17)	Lab analysis Lab analysis	Annually	0.03	0.030	mg/l mg/l	N/A N/A	DWS DWS	No
11/03/2015	BH-12 BH-12	Phosphorus,	Lab analysis	Annually	0.01	0.010	mg/l	N/A N/A	DWS	No
11/03/2015	BH-12 BH-12	Total Total Solids	Lab analysis	Annually	338	338.000	mg/l	N/A	DWS	No
11/03/2015	BH-12 BH-12	Zinc	Lab analysis	Annually	0.014	0.014	mg/l	N/A	DWS	No
11/03/2015 12/05/2015 29/07/2015	BH-13	Ammoniacal Nitrogen	Lab analysis	Quarterly	0.06	0.048	mg/I NH4-N	N/A	DWS	No
08/12/2015 11/03/2015 12/05/2015 29/07/2015 08/12/2015	BH-13	Arsenic	Lab analysis	Quarterly	0.005	0.003	mg/l	N/A	DWS	No
11/03/2015 12/05/2015 29/07/2015 08/12/2015	BH-13	Barium	Lab analysis	Quarterly	0.014	0.011	mg/l	N/A	DWS	No
11/03/2015 12/05/2015 29/07/2015 08/12/2015	BH-13	Calcium	Lab analysis	Quarterly	63	57.325	mg/l	N/A	DWS	No
11/03/2015 12/05/2015 29/07/2015 08/12/2015	BH-13	Chloride	Lab analysis	Quarterly	41.1	38.075	mg/l	75	DWS	No

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11/03/2015	BH-13	Colour	Field analysis	Quarterly	N/A	N/A	N/A	N/A	DWS	No
12/05/2015					1					
29/07/2015										
08/12/2015										
11/03/2015	BH-13	Conductivity	Field analysis	Quarterly	0.43	0.393	mS/cm	1	DWS	No
12/05/2015										
29/07/2015										
08/12/2015										
11/03/2015	BH-13	Dissolved	Field analysis	Quarterly	11	9.750	mg/l	N/A	DWS	No
12/05/2015		Oxygen								
29/07/2015		. –								
08/12/2015										
11/03/2015	BH-13	Iron	Lab analysis	Quarterly	0.02	0.020	mg/l	N/A	DWS	No
12/05/2015							3.			
29/07/2015										
08/12/2015										
11/03/2015	BH-13	Level, Water	Field analysis	Quarterly	114.53	113.678	mOD	N/A	DWS	No
12/05/2015	011-13	Level, water	riciu analysis	Quarterry	114.55	113.076	niob	11/1	0005	NO
29/07/2015					1					
08/12/2015 11/03/2015	BH-13	Manganese	Lab analysis	Quarterity	0.002	0.002	mg/l	N1/A	DWS	No
	BH-13	wanganese	Lab analysis	Quarterly	0.002	0.002	mg/1	N/A	DWS	INO
12/05/2015										
29/07/2015					1					
08/12/2015				- · · ·					-	
11/03/2015	BH-13	Odour	Field analysis	Quarterly	N/A	N/A	N/A	N/A	DWS	No
12/05/2015										
29/07/2015										
08/12/2015										
11/03/2015	BH-13	pН	Field analysis	Quarterly	8.5	7.650	pН	6 <ph<9< td=""><td>DWS</td><td>No</td></ph<9<>	DWS	No
12/05/2015					1					
29/07/2015										
08/12/2015										
11/03/2015	BH-13	Phenols, Total	Lab analysis	Quarterly	0.1	0.100	mg/l	0.1	DWS	No
12/05/2015	-								-	
29/07/2015					1					
29/07/2015										
11/03/2015	BH-13	Potassium	Lab analysis	Quarterly	2.2	2.050	mg/l	N/A	DWS	No
	01-13	rotassium	Lab analysis	Qualterly	2.2	2.030	ilig/i	N/A	0443	NU
12/05/2015										
29/07/2015										
08/12/2015	BH-13	Codium	Lab applysic	Quantant	19.8	19.375	mg/l	00	DWG	No
11/03/2015	BH-13	Sodium	Lab analysis	Quarterly	19.8	19.375	mg/l	80	DWS	NO
12/05/2015					1					
29/07/2015										
08/12/2015										
11/03/2015	BH-13	Sulphate	Lab analysis	Quarterly	19.23	15.048	mg/l	150	DWS	No
12/05/2015										
29/07/2015					1					
08/12/2015										
11/03/2015	BH-13	Temperature	Field analysis	Quarterly	12	10.975	oC	N/A	DWS	No
12/05/2015										
29/07/2015					1					
08/12/2015					1					
11/03/2015	BH-13	Total Organic	Lab analysis	Quarterly	2	2.000	mg/l	50	DWS	No
12/05/2015	5.7 15	Carbon	200 0.101 9515	Qualterry		2.000		50	2445	110
		Carbon								
29/07/2015					1					
08/12/2015	DU 43	Total Outding !	Lob or - busis	Quarterity	14.0	12 (25		N1/A	DIAK	N
11/03/2015	BH-13	Total Oxidized	Lab analysis	Quarterly	14.9	12.625	mg/l	N/A	DWS	No
12/05/2015		Nitrogen								
29/07/2015 08/12/2015										

roundwater	/Soil moni	toring templat	e		Lic No:	W0129-02		Year	2015	
11/03/2015	BH-13	Boron	Lab analysis	Annually	0.012	0.012	mg/l	N/A	DWS	No
11/03/2015	BH-13	Cadmium	Lab analysis	Annually	0.0005	0.001	mg/l	0.004	DWS	No
11/03/2015	BH-13	Chromium, Total	Lab analysis	Annually	0.0015	0.002	mg/l	N/A	DWS	No
11/03/2015	BH-13	Coliforms, Faecal	Lab analysis	Annually	0	0.000	cfus/100ml	N/A	DWS	No
11/03/2015	BH-13	Coliforms, Total	Lab analysis	Annually	0	0.000	cfus/100ml	N/A	DWS	No
11/03/2015	BH-13	Copper	Lab analysis	Annually	0.007	0.007	mg/l	0.5	DWS	No
11/03/2015	BH-13	Cyanide	Lab analysis	Annually	0.01	0.010	mg/l	N/A	DWS	No
11/03/2015	BH-13	Fluoride	Lab analysis	Annually	0.3	0.300	mg/l	N/A	DWS	No
11/03/2015	BH-13	Lead	Lab analysis	Annually	0.005	0.005	mg/l	N/A	DWS	No
11/03/2015	BH-13	List I and II Substances	Lab analysis	Annually	0.01	0.010	mg/I	N/A	DWS	No
11/03/2015	BH-13	Magnesium	Lab analysis	Annually	5.4	5.400	mg/I	N/A	DWS	No
11/03/2015	BH-13	Mercury	Lab analysis	Annually	0.001	0.001	mg/I	N/A	DWS	No
11/03/2015	BH-13	Orthophosphate s	Lab analysis	Annually	0.1	0.100	mg/I	N/A	DWS	No
11/03/2015	BH-13	PAHs (Total 17)	Lab analysis	Annually	0.01	0.010	mg/I	N/A	DWS	No
11/03/2015	BH-13	Phosphorus, Total	Lab analysis	Annually	4.532	4.532	mg/I	N/A	DWS	No
11/03/2015	BH-13	Total Solids	Lab analysis	Annually	12843	12843.000	mg/I	N/A	DWS	No
11/03/2015	BH-13	Zinc	Lab analysis	Annually	0.003	0.003	mg/I	N/A	DWS	No
11/03/2015 12/05/2015 29/07/2015 08/12/2015	BH-14	Ammoniacal Nitrogen	Lab analysis	Quarterly	0.03	0.030	mg/l NH4-N	N/A	DWS	No
11/03/2015 12/05/2015 29/07/2015 08/12/2015	BH-14	Arsenic	Lab analysis	Quarterly	0.003	0.003	mg/l	N/A	DWS	No
11/03/2015 12/05/2015 29/07/2015 08/12/2015	BH-14	Barium	Lab analysis	Quarterly	0.054	0.051	mg/l	N/A	DWS	No
11/03/2015 12/05/2015 29/07/2015 08/12/2015	BH-14	Calcium	Lab analysis	Quarterly	29.5	26.925	mg/l	N/A	DWS	No
11/03/2015 12/05/2015 29/07/2015 08/12/2015	BH-14	Chloride	Lab analysis	Quarterly	45.1	36.500	mg/l	75	DWS	No
11/03/2015 12/05/2015 29/07/2015 08/12/2015	BH-14	Colour	Field analysis	Quarterly	N/A	N/A	N/A	N/A	DWS	No
11/03/2015 12/05/2015 29/07/2015 08/12/2015	BH-14	Conductivity	Field analysis	Quarterly	0.25	0.245	mS/cm	1	DWS	No

Groundwater/	Soil monite	oring templat	e		Lic No:	W0129-02		Year	2015	
11/03/2015	BH-14	Dissolved	Field analysis	Quarterly	71	28.000	mg/l	N/A	DWS	No
12/05/2015		Oxygen						-		
29/07/2015										
08/12/2015										
11/03/2015	BH-14	Iron	Lab analysis	Quarterly	0.02	0.020	mg/l	N/A	DWS	No
12/05/2015										
29/07/2015										
08/12/2015										
11/03/2015	BH-14	Level, Water	Field analysis	Quarterly	100.2	99.930	mOD	N/A	DWS	No
12/05/2015										
29/07/2015										
08/12/2015										
11/03/2015	BH-14	Manganese	Lab analysis	Quarterly	0.07	0.040	mg/l	N/A	DWS	No
12/05/2015										
29/07/2015										
08/12/2015										
11/03/2015	BH-14	Odour	Field analysis	Quarterly	N/A	N/A	N/A	N/A	DWS	No
12/05/2015										
29/07/2015										
08/12/2015	BH-14		Field analysis	Quartarlu	6.4	6.025	nH	C tall to	DIAK	No
11/03/2015	DII-14	рН	Field analysis	Quarterly	0.4	0.025	рН	6 <ph<9< td=""><td>DWS</td><td>NU</td></ph<9<>	DWS	NU
12/05/2015 29/07/2015										
29/07/2015										
11/03/2015	BH-14	Phenols, Total	Lab analysis	Quarterly	0.1	0.100	mg/l	0.1	DWS	No
12/05/2015	DI1-14	riteriois, rotai	Lab analysis	Quarterry	0.1	0.100	1116/1	0.1	5445	NO
29/07/2015										
08/12/2015										
11/03/2015	BH-14	Potassium	Lab analysis	Quarterly	5.9	5.100	mg/l	N/A	DWS	No
12/05/2015	511 11	i otassiani	Lab analysis	quarterry	5.5	5.100		,,,	5115	
29/07/2015										
08/12/2015										
11/03/2015	BH-14	Sodium	Lab analysis	Quarterly	15	11.175	mg/l	80	DWS	No
12/05/2015										
29/07/2015										
08/12/2015										
11/03/2015	BH-14	Sulphate	Lab analysis	Quarterly	21.77	18.778	mg/l	150	DWS	No
12/05/2015										
29/07/2015										
08/12/2015										
11/03/2015	BH-14	Temperature	Field analysis	Quarterly	12.4	10.850	oC	N/A	DWS	No
12/05/2015										
29/07/2015										
08/12/2015										
11/03/2015	BH-14	Total Organic	Lab analysis	Quarterly	5	4.667	mg/l	50	DWS	Yes
12/05/2015		Carbon								
29/07/2015		1								
08/12/2015	511.4.4		1.1	0		5.050	1		DIVIC	
11/03/2015	BH-14	Total Oxidized	Lab analysis	Quarterly	6.6	5.950	mg/l	N/A	DWS	No
12/05/2015		Nitrogen								
29/07/2015										
08/12/2015	DU 14	Boron	Lob analysis	Annually	0.029	0.029	mg/l	N1/A	DIA/C	Vos
11/03/2015	BH-14	Boron	Lab analysis	Annually	0.029	0.029	mg/l	N/A	DWS	Yes
11/03/2015	BH-14	Cadmium	Lab analysis	Annually	0.0014	0.001	mg/l	0.004	DWS	No
11/03/2015	BH-14	Chromium, Total	Lab analysis	Annually	0.0015	0.002	mg/l	N/A	DWS	No
			Lab analysis	A	0	0.000	cfus/100ml	N/A	DWS	No
11/03/2015	BH-14	Coliforms,	Lab analysis	Annually	0	0.000	cius/100iiii	IN/A	0003	NU

Groundwater	/Soil monit	oring templat	te		Lic No:	W0129-02		Year	2015	5		
11/03/2015	BH-14	Coliforms, Total	Lab analysis	Annually	6	6.000	cfus/100ml	N/A	DWS	No		-
11/03/2015	BH-14	Copper	Lab analysis	Annually	0.013	0.013	mg/I	0.5	DWS	No		
11/03/2015	BH-14	Cyanide	Lab analysis	Annually	0.01	0.010	mg/l	N/A	DWS	No		
11/03/2015	BH-14	Fluoride	Lab analysis	Annually	0.3	0.300	mg/l	N/A	DWS	No		
11/03/2015	BH-14	Lead	Lab analysis	Annually	0.005	0.005	mg/l	N/A	DWS	No		
11/03/2015	BH-14	List I and II Substances	Lab analysis	Annually	0.01	0.010	mg/l	N/A	DWS	No		
11/03/2015	BH-14	Magnesium	Lab analysis	Annually	2.5	2.500	mg/l	N/A	DWS	No		
11/03/2015	BH-14	Mercury	Lab analysis	Annually	0.001	0.001	mg/l	N/A	DWS	No		
11/03/2015	BH-14	Orthophosphate s	Lab analysis	Annually	0.03	0.030	mg/l	N/A	DWS	No		
11/03/2015	BH-14	PAHs (Total 17)	Lab analysis	Annually	0.01	0.010	mg/l	N/A	DWS	No		
11/03/2015	BH-14	Phosphorus, Total	Lab analysis	Annually	0.062	0.062	mg/l	N/A	DWS	No		
11/03/2015	BH-14	Total Solids	Lab analysis	Annually	527	527.000	mg/l	N/A	DWS	No		
11/03/2015	BH-14	Zinc	Lab analysis	Annually	0.028	0.028	mg/l	N/A	DWS	No		
		<u> </u>					SELECT			SELECT		
in results for a so Groundwater Moni More information o	ubstance indica itoring Guideline n the use of soil ssment tools is a	tes that further inte e Template Report a l and groundwater s available in the EPA te and proximity to	erpretation of mor at the link provide standards/ generic published guidan	hitoring results is req d and submit separa EPA. : assessment criteria :e (see the link in ceptors alternative Re	uired. In addition to co tely through ALDER as <u>Guidance on I</u> ecceptor based Water C	mpleting the above tak a licensee return or as <u>the Management of C</u> Quality standards shoul	ue (IGV) or an upward trend le, please complete the otherwise instructed by the contaminated Land and C d be used in addition to the a drinking water supply	<u>Grou</u> Groundwater a	indwater monito it EPA Licensed S <u>Groundwater</u> regulations	Sites (EPA 2013),	Drinking water (public.	Interim
		indle water comba					с,-рч)	water EQS	<u>GTV's</u>	standards	supply) standards	Values (I
GTV e.g. if the s	ite is close to su		compare results	to the Drinking wate								
	ite is close to su		compare results	to the Drinking Wate				7				
GTV e.g. if the s	ite is close to su esults		compare results Methodology	Monitoring frequency	Maximum Concentration	Average Concentration	unit					
GTV e.g. if the s	ite is close to su esults Sample location	Parameter/		Monitoring	Maximum	Concentration	unit SELECT					

Where additional datail is required place optar it here in 200 words or loss								
Where additional detail is required please enter it here in 200 words or less								

Groundwater/Soil monitoring template	Lic No:	W0129-02	Year	2015	
		· · · · · · · · · · · · · · · · · · ·			

Environmental Liabilities template	Lic No:	W0129-02	Year	2015
Click here to access EPA guidance on Environmental Liabilities and Financial				
provision				

			Commentary
1	ELRA initial agreement status		
		Submitted and not agreed by EPA;	
			No review completed
2	ELRA review status		in reporting period.
3	Amount of Financial Provision cover required as determined by the latest ELRA		
_			
4	Financial Provision for ELRA status	Submitted and not agreed by EPA;	
-		6 ! f	
5	Financial Provision for ELRA - amount of cover	Specify	
c		SELECT	
6	Financial Provision for ELRA - type	SELECT	
7	Financial provision for ELRA expiry date	Enter expiry date	
8	Closure plan initial agreement status	SELECT	
-			Closure details were
			included in EIS. The
			site is subject to
			Waste Licence
			Application W0129-
			03, which, if granted,
			will impact on closure
9	Closure plan review status	SELECT	issues.
10	Financial Provision for Closure status	SELECT	
11	Financial Provision for Closure - amount of cover	Specify	
12	Financial Provision for Closure - type	SELECT	
13	Financial provision for Closure expiry date	Enter expiry date	

	Environmental Management Programme/Continuous Improvement Programme	template	Lic No:	W0129-02	Year	2015
	Highlighted cells contain dropdown menu click to view		Additional Information		_	
1	Do you maintain an Environmental Mangement System (EMS) for the site. If yes, please detail in additional information	Yes				
2	Does the EMS reference the most significant environmental aspects and associated impacts on-site	Yes				
3	Does the EMS maintain an Environmental Management Programme (EMP) as required in accordance with the licence requirements	Yes				
4	Do you maintain an environmental documentation/communication system to inform the public on environmental performance of the facility, as required by the licence	Yes				

Environmental Management Programme (EMP) report							
Objective Category	Target	Status (% completed)	How target was progressed	Responsibility	Intermediate outcomes		
	Ongoing monitoring and				Improved Environmental		
Groundwater protection	measurement - water	100	Monitoring completed	Individual	Management Practices		
	Ongoing monitoring and				Improved Environmental		
Noise reduction	measurement - noise	100	Monitoring completed	Individual	Management Practices		
	Ongoing monitoring and				Improved Environmental		
Reduction of emissions to Air	measurement - dust	100	Monitoring completed	Individual	Management Practices		
	Ongoing monitoring and				Improved Environmental		
Energy Efficiency/Utility conservation	measurement - energy	100	Monitoring completed	Individual	Management Practices		

Noise monitoring summary report	Lic No:	W0129-02	Year	2015
1 Was noise monitoring a licence requirement for the AER period?		Yes		
If yes please fill in table N1 noise summary below	Noiso		7	
2 Was noise monitoring carried out using the EPA Guidance note, including completion of the "Checklist for noise measurement report" included in the guidance note as table 6?	<u>Noise</u> Guidance note NG4	Yes		
3 Does your site have a noise reduction plan		No	1	
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 survey?	e 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}	Tonal or Impulsive noise* (Y/N)	If tonal /impulsive noise was identified was 5dB penalty	Comments (ex. main noise sources on site, & extraneous noise ex. road traffic)	Is <u>site</u> compliant with noise limits (day/evening/night)?
07/05/2015	Daytime		N4	54	36	52	84	No	Yes		Yes
07/05/2015	Daytime		N6	55	32	54	79	No	Yes		Yes
07/05/2015	Daytime		N7	62	31	54	84	No	Yes	Occasional traffic,	Yes
07/05/2015	Daytime		N8	62	32	55	84	No	Yes	aircraft, birdsong, leaf	Yes
07-08/05/2015	Night-time		N4	33	29	36	63	No	Yes	rustle, distant	Yes
07-08/05/2015	Night-time		N6	34	25	31	75	Yes	Yes	motorway	Yes
07-08/05/2015	Night-time		N7	50	35	36	82	No	Yes		Yes
07-08/05/2015	Night-time		N8	45	34	41	80	No	Yes	<u> </u>	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:	W0129-02	Year	
				-

				Additional information
				No formal audit
				completed; ongoing
				monitoring and
				management of
				energy use by
1	When did the site carry out the most recent energy efficiency audit? Please list the recommendations i	n table 3 below	Enter date of audit	licensee.
		SEAI - Large		
ls	s the site a member of any accredited programmes for reducing energy usage/water conservation such	Industry Energy		
2	as the SEAI programme linked to the right? If yes please list them in additional information	Network (LIEN)	No	
	Where Fuel Oil is used in boilers on site is the sulphur content compliant with licence conditions? Please s	tate percentage in		
3	additional information		SELECT	NOT APPLICABLE

Table R1 Energy usag	e on site				
			Production +/- %	Energy	
			compared to	Consumption +/- %	
			previous reporting	vs overall site	
Energy Use	Previous year	Current year	year**	production*	
Total Energy Used (MWHrs)	163.41	154.010	-6%		
Total Energy Generated (MWHrs)					
Total Renewable Energy Generated (N	/WHrs)				
Electricity Consumption (MWHrs)	35.28	25.88	-36%		
Fossil Fuels Consumption:					
Heavy Fuel Oil (m3)	11.58	12.60	8%		SEAI: 10.169kWh/litre of diesel
Light Fuel Oil (m3)					
Natural gas (m3)					
Coal/Solid fuel (metric tonnes)					
Peat (metric tonnes)					
Renewable Biomass]
Renewable energy generated on site					

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

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

Table R2 Water usage	e on site				Water Emissions	Water Consumption	
						Volume used i.e not	
			Production +/- %	Energy		discharged to	
			compared to	Consumption +/- %	Volume Discharged	environment e.g.	
	Water extracted	Water extracted	previous reporting	vs overall site	back to	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	65	60		-8%			
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.

2015

Resource	Usage/	Energy	/ efficiency	y summary

Lic No: W0129-02

Year

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

Table R3 Waste Stream Summary					
Total L		Landfill	Incineration	Recycled	Other
Hazardous (Tonnes)					
Non-Hazardous (Tonnes)	0.45	0.3		0.15	

Table R4: Energy A	udit finding recommenda	tions						
Data of audit		Description of		Predicted energy		Deenensikiliku		Status and
Date of audit	Recommendations	Measures proposed	Origin of measures	savings %	Implementation date	Responsibility	Completion date	comments
			SELECT					
			SELECT					
			SELECT					

Table R5: Power Generation: Where po	ower is generated onsi	te (e.g. power generat	ion facilities/food	l and drink industry)ple	ease complete the following
	Unit ID	Unit ID	Unit ID	Unit ID	Station Total
Technology					
Primary Fuel					
Thermal Efficiency					
Unit Date of Commission					
Total Starts for year					
Total Running Time					
Total Electricity Generated (GWH)					
House Load (GWH)					
KWH per Litre of Process Water					
KWH per Litre of Total Water used on S	Site				

2015

		Lic No:	W0129-02	Year	2015
Complaints					
		Additional information			
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						
			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		
Fotal complaints							
open at start of							
reporting year							
fotal new							
omplaints							
eceived during							
eporting year							
otal complaints							

	li	ncidents			
			Yes	Additional information	
stitutes an incident	What is an incident				
,	Location of occurrence	Incident category*please refer to guidance	Receptor	Cause of incident	Other cause(p specify)
		occurred on site in the current reporting year? Please list all inci year in Table 2 below on on how to report and what stitutes an incident mmary	on on how to report and what stitutes an incident <u>What is an incident</u> nmary Incident category*please	occurred on site in the current reporting year? Please list all incidents for current reporting year in Table 2 below year in Table 2 below on on how to report and what stitutes an incident mmary Incident category*please	Additional information Additional information year in Table 2 below on on how to report and what stitutes an incident mmary Incident category*please

reporting year Balance of complaints end of

Table 2 Incluents sur	minury													
						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
											No			
											preventative			
											action			
											deemed			
											necessary.			
										No corrective actions				
										deemed necessary.	routine			
		Other location BH6, BH10A								Ongoing routine	monitoring			
14/04/2015	Trigger level reached	and BH11	1. Minor	No Uncontrolled release	Not related to site activities		Normal activities	EPA	Recurring	monitoring applies.	applies	Complete	14/04/2015	Medium
											Material			
											stopped from			
											enetring site			
											from source			
						Unknown.					sie until			
	Other(please specify)Exceedance					Material isolated					acceptable			
	of Waste Acceptance Criteria in					in quarantine				Material removed off				
29/04/2015	Level 2 sample for Antimony	Other location (Level 2 load)	1. Minor	No Uncontrolled release	Other (add details)	area.	Normal activities	EPA	New	site. EPA notified.	received.	Complete	29/04/2015	Low

Complaints and	Incidents summary tem	plate			Lic No:	W0129-02		Year	2015	5				
											No preventative			
											action deemed			
											necessary.			
										No corrective actions	Ongoing			
										deemed necessary.	routine			
		Other location (BH5, BH6,						59.		Ongoing routine	monitoring	a		
29/06/2015	Trigger level reached	BH11A, BH14)	1. Minor	No Uncontrolled release	Not related to site activities		Normal activities	EPA	Recurring	monitoring applies.	applies No	Complete	29/06/2015	Medium
											preventative			
											action			
											deemed			
											necessary.			
										No corrective actions	Ongoing			
										deemed necessary. Ongoing routine	routine monitoring			
29/06/2015	Trigger level reached	Other location (SW2)	1. Minor	No Uncontrolled release	Not related to site activities		Normal activities	FPΔ	Recurring	monitoring applies.	applies	Complete	29/06/2015	Medium
570072015	These level reactica	other location (SW2)	1. WIIIO	No oncontrolled release	Not related to site activities		Normal activities		necurring	monitoring applies.	No	complete	25/00/2015	IVICUIUIII
											preventative			
											action			
											deemed			
											necessary.			
										No corrective actions deemed necessary.	Ongoing routine			
		Other location (BH4A, BH6,								Ongoing routine	monitoring			
3/09/2015	Trigger level reached	BH11A)	1. Minor	No Uncontrolled release	Not related to site activities		Normal activities	EPA	Recurring	monitoring applies.	applies	Complete	03/09/2015	Medium
											No			
											preventative			
											action			
											deemed			
										No corrective actions	necessary. Ongoing			
										deemed necessary.	routine			
										Ongoing routine	monitoring			
31/12/2015	Trigger level reached	Other location (BH9)	1. Minor	No Uncontrolled release	Not related to site activities		Normal activities	EPA	Recurring	monitoring applies.	applies	Complete	31/12/2015	Low
Total number of														
incidents current		c												
year Total number of		D												
incidents previous														
year		5												
% reduction/														
ncrease	1 :	17%												

WASTE SUMMARY	Lic No:	W0129-02	Year	2015	
SECTION A-PRTR ON SITE WASTE TREATMENT AND WASTE TRANSFERS TAB- TO BE COMPLETED B	ALL IPPC AND WASTE FACILITIES	PRTR facility logon	dropdown list	click to see options	

the WAC for the site were rejected and removed from the facility.

Yes

SECTION B- WASTE ACCEPTED ONTO SITE-TO BE COMPLETED BY ALL IPPC AND WASTE FACILITIES		
		Additional Information
Were any wastes <u>accepted onto</u> your site for recovery or disposal or treatment prior to recovery or disposal within the boundaries of your facility ?; (waste generated within your 1 boundaries is to be captured through PRTR reporting) If yes please enter details in table 1 below	Yes	
		Loads which were subject to "1 in 100" Level 2 compliance testing but which were found to have chemical parimeters abouve

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

3 Was waste accepted onto your site that was generated outside the Republic of Ireland? If yes please state the quantity in tonnes in additional information

Table 1 Details of waste accepted onto your site for recovery, disposal or treatment (do not include wastes generated at your site, as these will have been reported in your PRTR workbook)

Licenced annual	EWC code				Overstitu of worth accorded in			Deckering Content (9()		Oursetitue'	Comments -
	EWC code	Source of waste accepted	Description of waste	Quantity of waste	Quantity of waste accepted in	Reduction/	Reason for reduction/	Packaging Content (%)-	Disposal/Recovery or	Quantity of	Comments -
tonnage limit for your			accepted	accepted in current	previous reporting year (tonnes)	Increase over	increase from previous	only applies if the	treatment operation carried	waste	
site (total			Please enter an	reporting year (tonnes)		previous year +/	 reporting year 	waste has a packaging	out at your site and the	remaining on	
tonnes/annum)			accurate and detailed			%		component	description of this operation	site at the end	
			description - which							of reporting	
			applies to relevant EWC							year (tonnes)	
			code								
	European Waste Catalogue EWC codes		European Waste								
			Catalogue EWC codes								
500,000	10 11 99		Wastes from manufacture	-	52.74	#DIV/0!	Market demand	0%	D5- Specially engineered landfill	0	
			of glass and glass products -								
		10- WASTES FROM THERMAL	wastes not otherwise specified - pre-consumer								
			glass off-cuts used in an								
		PROCESSES	industrial process to								
			produce glass products								
	40.04.00		Olars from FLMs								
500,000	16 01 20	16- WASTES NOT OTHERWISE	Glass from ELV's	-	13.54	#DIV/0!	Market demand	0%	D5- Specially engineered landfill	0	
		SPECIFIED IN THE LIST									
	17 01 01		0								
500,000	17 01 01	17- CONSTRUCTION AND	Concrete	895.92	15.6	985	% Market demand	0%	D5- Specially engineered landfill	0	
		DEMOLITION WASTES									
		(INCLUDING EXCAVATED SOIL									
		FROM CONTAMINATED SITES)									
500,000	17 01 07	17- CONSTRUCTION AND	Mixture of concrete, bricks, tiles & ceramics	-	0	#DIV/0!	Market demand	0%	D5- Specially engineered landfill	0	
		DEMOLITION WASTES	tiles & cerainics								
		(INCLUDING EXCAVATED SOIL									
		FROM CONTAMINATED SITES)									
500,000	17 02 02	17- CONSTRUCTION AND	Glass	128.24	65.9	49	% Market demand	100%	D5- Specially engineered landfill	1	
		DEMOLITION WASTES									
		(INCLUDING EXCAVATED SOIL									
		FROM CONTAMINATED SITES)									
		Thom contraminated sites)									
500,000	17 03 02	17- CONSTRUCTION AND	Bituminous mixture	-	0	#DIV/0!	Market demand	0%	D5- Specially engineered landfill	0	
		DEMOLITION WASTES				1					
		(INCLUDING EXCAVATED SOIL				1					
		FROM CONTAMINATED SITES)									
		incom contraminated sites)									
500,000	17 05 04	17- CONSTRUCTION AND	Soil & Stones	64,177.80	27,552.04	57	% Market demand	0%	D5- Specially engineered landfill	0	
		DEMOLITION WASTES					1				
		(INCLUDING EXCAVATED SOIL					1				
		FROM CONTAMINATED SITES)				1					
		THOM CONTAININATED SITES)									
500,000	17 06 04	17- CONSTRUCTION AND	Insulation materials	-	6.52	#DIV/0!	Market demand	0%	D5- Specially engineered landfill	0	
		DEMOLITION WASTES				1					
		(INCLUDING EXCAVATED SOIL				1	1				
		FROM CONTAMINATED SITES)									
500,000	19 09 02	19- WASTES FROM WASTE	Sludges from water	1,062.02	2424.56	-128	% Market demand	0%	D5- Specially engineered landfill	0	
		MANAGEMENT FACILITIES,	clarification	1							

WASTE SUMMARY				Lic No:	W0129-02		Year	2015		
 500,001	20 09 02	20- MUNICIPAL WASTES	Glass (20 01 02) 8.46	0	100%	Market demand	100%	D5- Specially engineered landfill	1	
		(HOUSEHOLD WASTE AND								
500,000	19 12 05	19- WASTES FROM WASTE	Glass 160.44	213.4	-33%	Market demand	0%	D5- Specially engineered landfill	0	
		MANAGEMENT FACILITIES,								

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

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

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

6 Does your facility have relevant nuisance controls in place?

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

8 Do you maintain a sludge register on site?

SECTION D-TO BE C	COMPLETED BY LANDFILL SITES O	NLY		
Table 2 Waste type	e and tonnage-landfill only			
Waste types permitted for disposal	Authorised/licenced annual intake for disposal (tpa)	Actual intake for disposal in reporting year (tpa)	Remaining licensed capacity at end of reporting year (m3)	Comments
Inert waste	500,000	66,433	3,958,964	

Table 3 General information-Landfill only

Area ID	Date landfilling commenced	Date landfilling ceased	Currently landfilling	Private or Public Operated	Inert or non-hazardous	Predicted date to cease landfilling	Licence permits asbestos	Is there a separate cell for asbestos?	Accepted asbestos in reporting year	area occupied by	Lined disposal area occupied by waste SELECT UNIT	Unlined area SELECT UNIT	Comments on liner type
W0129-02	2003	Ongoing	Yes	Private	Inert	Dependent on input + planning requirements	No	No	No	30,650m ²	50,050		liner in accordance with Landfill Directive

Table 4 Environmental monitoring-landfill only Landfill Manual-Monitoring Standards

Was meterological								
monitoring in						Was topography		
compliance with Landfill		Was Landfill Gas monitored in	Was SW monitored in			of the site	Has the statement under	
Directive (LD) standard	Was leachate monitored in compliance	compliance with LD standard in	compliance with LD	Have GW trigger levels	Were emission limit values agreed with	surveyed in	S53(A)(5) of WMA been	
in reporting year +	with LD standard in reporting year	reporting year	standard in reporting year	been established	the Agency (ELVs)	reporting year	submitted in reporting year	Comments
Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	
and a second second second second State	NAME AND ADDRESS AND ADDRESS AND ADDRESS ADDRES	I prove the second test states along the						

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

Table 5 Capping-Landfill only

	orary cap		should be permanently		
SELECT UNIT SELECT UNIT	Area with final Standard m		capped to date under licence	What materials are used in the cap	Comments
	0 3600m	n2 Not applicable	Not applicable	Subsoil and topsoil	

Table 6 Leachate-Landfill only

9 Is leachate from your site treated in a Waste Water Treatment Plant?
10 Is leachate released to surface water? If we place complete leachate mass load information below

10	to is reachate released to surface waters if yes prease complete reachate mass road information below										

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

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

Table 7 Landfill Gas-Landfill only

SELECT			
SELECT			
SELECT			

ASTE SUMMARY					Lic No:	W0129-02	Year	2015
			Was surface emissions					
Captured&Treated			monitoring performed					
by LFG System m3	Power generated (MW / KWh)	Used on-site or to national grid	during the reporting year?	Comments				
			SELECT					



| PRTR# : W0129 | Facility Name : Murphy Environmental Hollywood Limited | Filename : W0129_PRTR 2015.xls | Return Year : 2015 |

30/03/2016 12:07

Guidance to completing the PRTR workbook

Environmental Protection Agency

PRTR Returns Workbook

REFERENCE YEAR	2015
1. FACILITY IDENTIFICATION	
Parent Company Name	Murphy Environmental Hollywood Limited
Facility Name	Murphy Environmental Hollywood Limited
PRTR Identification Number	W0129
Licence Number	W0129-02

Classes of Activity

Classes of Activity	
No.	class_name
	Refer to PRTR class activities below

	Hollywood Great
	Nags Head
Address 3	The Naul
Address 4	
	Dublin
Country	
Coordinates of Location	-9.09708 52.6126
River Basin District	IEEA
NACE Code	
	Remediation activities and other waste management services
AER Returns Contact Name	Kerstie Flanagan
AER Returns Contact Email Address	kerstief@pateltonra.com
AER Returns Contact Position	Environmental Consultant (Patel Tonra Ltd)
AER Returns Contact Telephone Number	
AER Returns Contact Mobile Phone Number	
AER Returns Contact Fax Number	018020525
Production Volume	
Production Volume Units	
Number of Installations	0
Number of Operating Hours in Year	
Number of Employees	3
User Feedback/Comments	
Web Address	www.mehl.ie

2. PRTR CLASS ACTIVITIES

Z. FRIR CEASS ACTIVITIES	
Activity Number	Activity Name
5(d)	Landfills
5(d)	Landfills
50.1	General
3. SOLVENTS REGULATIONS (S.I. No. 543 of 20	02)
Is it applicable?	No
Have you been granted an exemption ?	No
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			G	uida	nce d	on	waste imported/accepted onto site
Do you import/accept waste onto your site for on-							
site treatment (either recovery or disposal	1						
activities) ?	Yes						

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

4.1 RELEASES TO AIR

Link to previous years emissions data

| PRTR# : W0129 | Facility Name : Murphy Environmental Hollywood Limited | Filename : W0129_PRTR 2015.xls | Return Year : 2015 |

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SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

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

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

SECTION B : REMAINING PRTR POLLUTANTS

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

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

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

								Please enter all quantities in this section in KGs					
	PO	LLUTANT		N	METHOD	QUANTITY							
					Method Used								
Pollutant No.		Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accide	ntal) 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 Land	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) Kollyr for Section A: Sector specific PRTR pollutants above. Please complete the table below:													
Landfill:	Murphy Environmental Hollywood Limited				•								
lease enter summary data on the uantities of methane flared and / or utilised			Meth	od Used									
				Designation or	Facility Total Capacity								
	T (Total) kg/Year	M/C/E	Method Code	Description	m3 per hour								
Total estimated methane generation (as per													
site model)	0.0				N/A								
Methane flared	0.0				0.0	(Total Flaring Capacity)							
Methane utilised in engine/s	0.0				0.0	(Total Utilising Capacity)							
Net methane emission (as reported in Section													
A above)	0.0				N/A								

Link to previous years emissions data

4.2 RELEASES TO WATERS

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

	RELEASES TO WATERS
PO	LLUTANT
No. Annex II	Name

* Select a row by double-clicking on the Pollutant Name (Column B)

SECTION B : REMAINING PRTR POLLUTANTS

	RELEASES TO WATERS
PO	LLUTANT
No. Annex II	Name

* Select a row by double-clicking on the Pollutant Name (Column B)

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

	RELEASES TO WATERS
PO	LLUTANT
Pollutant No.	Name

* Select a row by double-clicking on the Pollutant Name (Column B)

| PRTR# : W0129 | Facility Name : Murphy Environmental Hollywood Limited | Filename : W0129_PRTR 2015.xls | Return Year : 2015 |

Data on an	Data on ambient monitoring of storm/surface water or groundwater, conducted as part of your licence requirements, should N							
	Please enter all quantities in this section in KGs							
		Method Used						
M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year				
			0.0)	0.0			

) then click the delete button

			Please enter all quantities	in this section in KG	Gs
		Method Used			
M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	
			0.0	C	0.0

) then click the delete button

			Please enter all quantities	in this section in k	(Gs
		Method Used			
M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	
			0.0		0.0

) then click the delete button

30/03/2016 12:07

OT be submitted under AER / PRTR Reporting as this only concerns Releases from your facility

QUANTITY	
A (Accidental) KG/Year	F (Fugitive) KG/Year
0.0	0.0

QUANTITY	
A (Accidental) KG/Year	F (Fugitive) KG/Year
0.0	0.0

QUANTITY	
A (Accidental) KG/Year	F (Fugitive) KG/Year
0.0	0.0

4.3 RELEASES TO WASTEWATER OR SEWER

Link to previous years emissions data

| PRTR# : W0129 | Facility Name : Murphy Environmental Hollywood Limited | Filename : W0129_PI 30/03/2016 12:07

SECTION A : PRTR POLLUTANTS

OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATMENT OR SEWER PI			Please enter all quantities	in this section in KGs				
POLLUTANT			METHOD		QUANTITY			
		Method Used						
No. Annex II Na	ame	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					0.0		0.0 0.0	0.0

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

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

OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATMENT OR SEWER P				Please enter all quantities	in this section in KO	3s		
POLLUTANT			METHOD		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	0.0

* 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

SECTION A : PRTR POLLUTANTS

	RELEASES TO LAND	
	POLLUTANT	
No. Annex II	Name	

* Select a row by double-clicking on the Pollutant Name (Column B)

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

		RELEASES TO LAND				
POLLUTANT						
Pollutant No.	Name					

* Select a row by double-clicking on the Pollutant Name (Column B)

| PRTR# : W0129 | Facility Name : Murphy Environmental Hollywood Limited | Filename : W0129_PRTR 2015.xls | F

		Please enter all quantities i	
	ME		
M/C/E	Method Code	Designation or Description	Emission Point 1
			0.0

) then click the delete button

		Please enter all quantities i		
	ME			
M/C/E	Method Code	Designation or Description	Emission Point 1	
			0.0	

) then click the delete button

 Return Year : 2015 |
 30/03/2016 12:07

in this section in KGs						
	QUANTITY					
T (Total) KG/Year	A (Accidental) KG/Year					
0.0	0.0					

in this section in KGs						
	QUANTITY					
T (Total) KG/Year	A (Accidental) KG/Year					
0.0	0.0					

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE PRTR#: W0129 Facility Name : Murphy Environmental Hollywood Limited Filename : W0129_PRTR 2015.xks Return Year : 2015 Please enter all quantities on this sheet in Tonnes 30/03/2016 12:									30/03/2016 12:07 3			
Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment		Method Used	Location of Treatment	<u>Haz Waste</u> : Name and Licence/Permit No of Next Destination Facility <u>Non Haz Waste</u> : Name and Licence/Permit No of Recover/Disposer	<u>Haz Waste</u> : Address of Next Destination Facility <u>Non Haz Waste</u> : Address of Recover/Disposer	Name and License / Parmit No. and Address of Final Recoverer / Disposer (HAZARDOUS WASTE ONLY)	Actual Address of Final Destination i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY)
Transfer Destination	Code	Hazardous		Description of Waste	Operation	IVI/C/E	ivietnoa Usea	Treatment				
Within the Country	20 03 01	No	0.3	mixed municipal waste	D15	С	Volume Calculation	Offsite in Ireland	Panda,W0140-03	Beauparc,Navan,Co. Meath,0,Ireland Beauparc,Navan,Co.		
Within the Country	20 03 01	No	0.15	mixed municipal waste	R3	С	Volume Calculation	Offsite in Ireland	Panda,W0140-03	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