Facility Information Summary

AER Reporting Year Licence Register Number Name of site Site Location NACE Code

Class/Classes of Activity
National Grid Reference (6E, 6 N)

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

2012

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 E315723 N258073

The principal activity carried out on site is the deposition of inert waste into enginered landfill cells. Only inert waste is accepted, and is subject to strict Waste Acceptance Procedures as follows: (i) Level 1 Basic Characterisation Testing, (ii) Level 2 "1 in 100" Compliance Testing, and (iii) Level 3 On-Site Verification Testing.

Incoming waste tonnages remained low during the reporting year, in line with the depressed construction/demolition sector in Ireland.

The facility maintained certification to ISO14001:2004, the International Standard for Environmental Management Systems. No significant infrastructure/development works were undertaken during the reporting year. In relation to environmental monitoring during the reporting year, there were a number of breaches of trigger levels, as detailed in the 'Complaints-Incidents' tab - all were reported as 'minor incidents' to the EPA.

Declaration:

All the data and information presented in this report has been checked and certified as being accurate. The quality of the information is assured to meet licence requirements.

22/03/2013

Date

Louise O'Donnell, PATEL TONRA LTD.

Environmental Consultant

(or nominated, suitably qualified and experienced deputy)

	AID				
	AIR-summary template	Lic No:	W0129-02	Year	2012
	Answer all questions and complete all tables where relevant				
				itional information	Ī
	Proceedings of the Committee of the Comm			ring was conducted at 4 monitoring	
	Does your site have licensed air emissions? If yes please complete table A1 and A2 below for the			g the reporting year - there were no	
1	current reporting year and answer further questions. If you do not have licenced emissions and do not		breacties o	f the dust depoistion ELV.	
	complete a solvent management plan (table A4 and A5) you do not need to complete the tables				
		No			
_					
	Periodic/Non-Continuous Monitoring				
2	Are there any results in breach of licence requirements? If yes please provide brief details in the comment				
	section of TableA1 below	SELECT			
	Was all monitoring carried out in accordance with EPA Basic air				
3	guidance note AG2 and using the basic air monitoring monitoring				
	checklist? <u>checklist</u> AGN2	SELECT			
	Table A1: Licensed Mass Emissions/Ambient data-periodic monitoring (non-continuou	s)			

Emission reference no:		Frequency of	ELV in licence or any revision therof	Licence Compliance criteria	Unit of measurement	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		

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

AIR-summary template	Lic No:	W0129-02	Year	2012
Continuous Monitoring				
4 Does your site carry out continuous air emissions monitoring?	No			
If yes please review your continuous monitoring data and report the required fields below in Table 3 and compare it to its relevant Emission Limit Value (ELV)				
5 Did continuous monitoring equipment experience downtime? If yes please record downtime in table 3 below	SELECT			
6 Do you have a proactive service agreement for each piece of continuous monitoring equipment? Did your site experience any abatement system bypasses? If yes please detail them in table 4 below	SELECT SELECT			
Table A2: Summary of average emissions -continuous monitoring				•

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

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

Table A3: Abatement system bypass reporting table

Bypass	protocol	

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

^{*} 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

R-summary	template				Lic No:	W0129-02		Year		
	use and managemen	t on site			2.0.10.					
Joivent	use and managemen	t on site						T		
o you have a total Emission Limit Value of direct and fugitive emissions on site? if yes please fill out tables A4 and A5 No										
ble A4: Solv	ent Management Pla	n Summary	Solvent regulations	Please refer to linked solver complete table 5						
otal VOC Emi	ission limit value									
Reporting year	Total solvent input on	Total VOC	Total VOC	Total Emission Limit Value	Compliance	1				
	site (kg)			(ELV) in licence or any revision						
		from entire site	%of solvent	therof						
					SELECT					
					SELECT					
Table A5: 9	Solvent Mass Balance	summary								
	(I) Inputs (kg)			(O) Outputs (kg)					
			la	la 11	l	Tarrir in	In	I=		
Solvent	(I) Inputs (kg)		water (kg)	Collected waste solvent (kg)	Fugitive Organic Solvent (kg)	other ways e.g. by-	Solvents destroyed	Solvent to air (kg)		
		CITISSIOTI III	water (kg)		Solvent (kg)	other ways e.g. by	onsite timough	Solvent to all (kg)		
						-				
							Total			

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)

Lic No: W0129-02
Additional information

2012

Does your site have licensed emissions direct to surface water or direct to sewer? If yes please complete table W2 and W3 below for the current reporting year and answer further questions. If you do not have licenced emissions you only need to complete table W1 and or W2 for surface water analysis and visual inspections

There are 7 No. licensed Surface Water Discharge points: SWD-1 to SWD-7. SWD2 to SWD7 were previously surface water discharge points from surface water pumping associated with quarrying operations. The water pumping activities have been suspended, therefore any water/flow now observed at these locations is sourced from surface water run-off from non landfill areas. The norm is that these locations are dry; however this is verified during each surface water sampling event.

Was it a requirement of your licence to carry out visual inspections on any surface water

discharges or watercourses on or near your site? If yes please complete table W2 below
summarising only any evidence of contamination noted during visual inspections

Yes

Table W1 Surface water monitoring

Location reference	Location relative to site activities	PRTR Parameter	Licenced Parameter	Monitoring date	ELV or trigger level in licence or any revision thereof*	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Comments
SW-1	upstream	SELECT	Ammoniacal Nitrogen	19/06/12 11/10/12 11/12/12	3.11	N/A	0.09	mg/l NH ₄ -N	yes	
SW-1	upstream	SELECT	Calcium	19/06/12 11/10/12 11/12/12	N/A	N/A	113.40	mg/l	yes	
SW-1	upstream	SELECT	Chemical Oxygen Demand	19/06/12 11/10/12 11/12/12	40	N/A	31.33	mg/l	yes	EPA results (11/10/12) indicated results in excess of SW Regs
SW-1	upstream	SELECT	Chloride	19/06/12 11/10/12 11/12/12	250	N/A	29.53	mg/l	yes	
SW-1	upstream	SELECT	Conductivity	19/06/12 11/10/12 11/12/12	1	N/A	0.59	mS/cm	yes	
SW-1	upstream	SELECT	Dissolved Oxygen	19/06/12 11/10/12 11/12/12	N/A	N/A	5.58	mg/l	yes	
SW-1	upstream	SELECT	Magnesium	19/06/12 11/10/12 11/12/12	N/A	N/A	11.50	mg/l	yes	
SW-1	upstream	SELECT	Manganese	19/06/12 11/10/12 11/12/12	1	N/A	0.66	mg/l	yes	
SW-1	upstream	SELECT	Orthophosphate	19/06/12 11/10/12 11/12/12	N/A	N/A	0.02	mg/l	yes	
SW-1	upstream	SELECT	рН	19/06/12 11/10/12 11/12/12	5.5 - 9.0	N/A	7.70	mg/l	yes	
SW-1	upstream	SELECT	Sodium	19/06/12 11/10/12 11/12/12	N/A	N/A	21.30	pН	yes	
SW-1	upstream	SELECT	Sulphate	19/06/12 11/10/12 11/12/12	200	N/A	89.62	mg/l	yes	
SW-1	upstream	SELECT	Temperature	19/06/12 11/10/12 11/12/12	25	N/A	10.90	mg/l	yes	
SW-1	upstream	SELECT	Total Alkalinity	19/06/12 11/10/12 11/12/12	N/A	N/A	196.00	°C	yes	

ER Monitor	ing returns sur	mmary template-W	/ATER/WASTEW/	ATER(SEWER)		Lic No:	W0129-02		Year	
SW-1	upstream	SELECT	Total Suspended Solids	19/06/12 11/10/12 11/12/12	-	N/A	98.67	mg/l	yes	EPA resu (11/10/: indicated n in excess Salmonid V Regs - oth rounds indi results <10
SW-2	downstream	SELECT	Ammoniacal Nitrogen	19/06/12 11/10/12 11/12/12	3.11	N/A	0.07	mg/l NH ₄ -N	yes	
SW-2	downstream	SELECT	Calcium	19/06/12 11/10/12 11/12/12	N/A	N/A	143.90	mg/l	yes	
SW-2	downstream	SELECT	Chemical Oxygen Demand	19/06/12 11/10/12 11/12/12	40	N/A	21.33	mg/l	yes	
SW-2	downstream	SELECT	Chloride	19/06/12 11/10/12 11/12/12	250	N/A	35.60	mg/l	yes	
SW-2	downstream	SELECT	Conductivity	19/06/12 11/10/12 11/12/12	1	N/A	0.71	mS/cm	yes	
SW-2	downstream	SELECT	Dissolved Oxygen	19/06/12 11/10/12 11/12/12	N/A	N/A	5.60	mg/l	yes	
SW-2	downstream	SELECT	Magnesium	19/06/12 11/10/12 11/12/12	N/A	N/A	13.10	mg/l	yes	
SW-2	downstream	SELECT	Manganese	19/06/12 11/10/12 11/12/12	1	N/A	0.03	mg/l	yes	
SW-2	downstream	SELECT	Orthophosphate	19/06/12 11/10/12 11/12/12	N/A	N/A	0.02	mg/l	yes	
SW-2	downstream	SELECT	рН	19/06/12 11/10/12 11/12/12	5.5 - 9.0	N/A	7.67	mg/l	yes	
SW-2	downstream	SELECT	Sodium	19/06/12 11/10/12 11/12/12	N/A	N/A	17.90	рН	yes	
SW-2	downstream	SELECT	Sulphate	19/06/12 11/10/12 11/12/12	200	N/A	166.73	mg/l	yes	
SW-2	downstream	SELECT	Temperature	19/06/12 11/10/12 11/12/12	25	N/A	11.10	mg/l	yes	
SW-2	downstream	SELECT	Total Alkalinity	19/06/12 11/10/12 11/12/12	N/A	N/A	188.00	°C	yes	
SW-2	downstream	SELECT	Total Suspended Solids	19/06/12 11/10/12 11/12/12	-	N/A	58.00	mg/l	yes	EPA res (11/10/ indicated r in exces Salmonid ' Regs - otl rounds ind results <1
SWD-1	downstream			19/06/12 11/12/12			DRY			
SWD-2	downstream			19/06/12 11/12/12			DRY			
SWD-3	downstream			19/06/12 11/12/12			DRY			

AER Monitor	ring returns su	mmary template-W	ATER/WASTEW/	ATER(SEWER)		Lic No:	W0129-02		Year	2012
SWD-4	downstream			19/06/12 11/12/12			DRY			
SWD-5	downstream			19/06/12 11/12/12			DRY			
SWD-6	downstream		Ammoniacal Nitrogen	19/06/12 11/12/12	3.11	N/A	0.03	mg/l NH ₄ -N	yes	
SWD-6	downstream		Calcium	19/06/12 11/12/12	N/A	N/A	669.90	mg/l	yes	
SWD-6	downstream		Chemical Oxygen Demand	19/06/12 11/12/12	40	N/A	7.00	mg/l	yes	
SWD-6	downstream		Chloride	19/06/12 11/12/12	250	N/A	21.50	mg/l	yes	
SWD-6	downstream		Conductivity	19/06/12 11/12/12	1	N/A	1.24	mS/cm	yes	Results exceeded SW Regs
SWD-6	downstream		Dissolved Oxygen	19/06/12 11/12/12	N/A	N/A	4.45	mg/l	yes	
SWD-6	downstream		Magnesium	19/06/12 11/12/12	N/A	N/A	23.80	mg/l	yes	
SWD-6	downstream		Manganese	19/06/12 11/12/12	1	N/A	1.01	mg/l	yes	
SWD-6	downstream		Odour	19/06/12 11/12/12	-	N/A	None	=	yes	
SWD-6	downstream		Orthophosphate	19/06/12 11/12/12	N/A	N/A	0.03	mg/l	yes	
SWD-6	downstream		рН	19/06/12 11/12/12	5.5 - 9.0	N/A	6.75	pН	yes	
SWD-6	downstream		Sodium	19/06/12 11/12/12	N/A	N/A	16.70	mg/l	yes	
SWD-6	downstream		Sulphate	19/06/12 11/12/12	200	N/A	489.74	mg/l	yes	Results exceeded SW Regs
SWD-6	downstream		Suspended Solids	19/06/12 11/12/12	N/A	35	10.00	mg/l	yes	
SWD-6	downstream		Temperature	19/06/12 11/12/12	25	N/A	11.40	°C	yes	
SWD-6	downstream		Total Alkalinity	19/06/12 11/12/12	N/A	N/A	164.00	mg/l	yes	
SWD-6	downstream		Visual	19/06/12 11/12/12	-	N/A	Clear	-	yes	
SWD-7	downstream			19/06/12 11/12/12			DRY			
	SELECT	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 COMTAMINATION	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 W3		ief details in the	No	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		
Δ	require improvement in additional information box	checklist	results checklist	Yes	

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

AER Monitor	ring returns su	mmary template-W/	ATER/WASTEW	ATER(SEWER)		Lic No:	W0129-02		Year	2012					
	Emission released to	Parameter/ SubstanceNote 1	Type of sample	Frequency of monitoring	Averaging period	ELV or trigger values in licence or any revision therof ^{Note 2}	Licence Compliance criteria		Unit of measurement	Compliant with licence	Method of analysis		Procedural reference standard number	Annual mass load (kg)	Comments
	SELECT	SELECT	SELECT		SELECT		SELECT		SELECT	SELECT	SELECT	SELECT			
Note 1: Volumet	ric flow shall be in	cluded as a reportable par	ameter			•		•	•	•					<u>-</u>

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

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

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

in yes piease summarise your continuous monitoring data below in ra	ole 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
- ${\bf 7}\,$ Do you have a proactive service contract for each piece of continuous monitoring equipment on site?
- Bild abatement system bypass occur during the reporting year? If yes please complete table W5 below

Table W4: Summary of average emissions -continuous monitoring

SELECT	
SELECT	
SELECT	
SELECT	

 Emission released 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)	Location	Resultant	Reason for	Corrective	Was a report	When was this report
			emissions	bypass	action*	submitted to the	submitted?
						EPA?	
						SELECT	

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

Bund/Pipeline te	esting template				Lic No:	W0129-02		Year	201	2				
Bund testing		dropdown menu cli	ick to see options				Additional information							
containment structure the table below		dropdown menu cli tegrity testing on bunds and cont bunds which failed the integrity	tainment structures ? if yes p			Yes SELECT	Additional information Bund testing is stipulated in W0129- 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 site). Bund testing has, therefore, not been required diesel tanks are empty). The only diesel currently stored on site is in the self- contained mobile fuel bowser which is stored in the garage building.							
		rground pipelines (including storr	mwater and foul), Tanks, sun	nps and containers? (contain	ers refers to "Chemstore"	SELECT								
3 type units and mobile 4 How many bunds are						SELECT		1						
		n the required test schedule?												
6 How many mobile bur 7 Are the mobile bunds	nds are on site? included in the bund test s	schedule?				SELECT		-						
		ted witin the required test schedu	ule?			0.000								
	site are included in the inte umps are integrity tested w							-						
	integrity failures in table B							_						
11 Do all sumps and chan	mbers have high level liquid	d alarms?				SELECT								
12 If yes to Q11 are these	e failsafe systems included	in a maintenance and testing pro	gramme?					_						
Ta	ble B1: Summary details of	bund /containment structure int	egrity test	1										
Bund/Containment	T	Sanife Oshana		Astro	Consider an artist dis		ahaanaa.	T d	Integrity reports maintained on	Davids of the s	Integrity test failure		Scheduled date	
structure ID	Type SELECT	Specify Other type	Product containment	Actual capacity	Capacity required*	Type of integrity test SELECT	Other test type	Test date	site? SELECT	Results of test SELECT	explanation <50 words	Corrective action taken SELECT	for retest	report
	SELECT					SELECT			SELECT	SELECT		SELECT		1
* Capacity required should con Has integrity testing b	omply with 25% or 110% containment been carried out in accorda	rule as detailed in your licence nce with licence requirements and	d are all structures tested in				Commentary	٦						
14 line with BS8007/EPA				bunding and storage guideli	nes	SELECT								
	r systems to remote contain	nment systems tested? n integrity and available volume?				SELECT SELECT		+						
10 Are channels/ cransier	i systems compilant in boti	Timegrity and available volume:				SEEECI								
		7												
	round structure testing	degrity testing on underground st	ructures e a ninelines or su	mns etc ? if wes nlease fill ou	t table 2 below listing all			7						
		nich failed the integrity test	ractures e.g. pipelines or sur	inpo ete . ii yes pieuse iiii ou	t tubic 2 below listing all	SELECT								
2 Please provide integrit	ity testing frequency period	i				SELECT		_						
Tabl	le B2: Summary details of p	ipeline/underground structures in	ntegrity test									-		
			Does this structure have	Type of secondary containment		Integrity reports		Integrity test failure explanation	Corrective action	Scheduled date	Results of retest(if in current			
Structure ID	Type system	Material of construction:	Secondary containment?	051.50	Type integrity testing	maintained on site?	Results of test	<50 words	taken	for retest	reporting year)	4		
	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT			1	SELECT	1		
												Ī		
												4		
		Please use comm	nentary for additional details	not answered by tables/ qu	estions above									

Groundwater/Soil monitoring template Lic No: W0129-02 Year 2012

1	Are you required to carry out groundwater monitoring as part of your li	cence
-	requirements?	

- 2 Are you required to carry out soil monitoring as part of your licence requirements?
- $^{\mbox{\footnotesize 3}}$ Do you extract groundwater for use on site? If yes please specify use in comment section
- $^{4}\,$ Is there contaminated land and /or groundwater on site? If yes please answer q's 5-12
- Is the contamination related to operations at the facility (either current and/or historic)
- 6 Have actions been taken to address contamination issues?If yes please summarise remediation strategies proposed/undertaken for the site
- 7 Please specify the proposed time frame for the remediation strategy
- 8 Is there a licence condition to carry out/update ELRA for the site?
- 9 Has any type of risk assesment been carried out for the site?
- 10 Has a Conceptual Site Model been developed for the site?
- 11 Have potential receptors been identified on and off site?
- 12 Is there evidence that contamination is migrating offsite?

	Comments
yes	
no	
no	
no	
N/A	
N/A	
N/A	
N/A	_
N/A	

Table 1: Upgradient Groundwater monitoring results

											Upward trend in
										% change in	pollutant
	Sample									average	concentration over last
Date of	location	Parameter/			Maximum	Average				concentration	5 years of monitoring
sampling	reference	Substance	Methodology	Monitoring frequency	Concentration++	Concentration+	unit	GTV's*	SELECT**	previous year +/-	data
23/03/2012;	BH-5	Ammoniacal	Lab analysis	Quarterly	0.13	0.10		N/A	DWS	, , , , , , , , , , , , , , , , , , , ,	
	611-5		Lab allalysis	Quarterly	0.13	0.10	mg/l NH4-N	IN/A	DVV3	43%	No
19/06/2012;		Nitrogen									
09/08/2012;											
11/12/2012 23/03/2012;	BH-5	Arsenic	Lab analysis	Quarterly	0.0166	0.01	mg/l	N/A	DWS	43%	No
19/06/2012;	5113	Ausenie	Lab analysis	Quarterly	0.0100	0.01	IIIg/I	14/74	5113	4370	NO
09/08/2012;											
11/12/2012											
23/03/2012;	BH-5	Barium	Lab analysis	Quarterly	0.014	0.01	mg/l	N/A	DWS	-51%	No
19/06/2012;				Z,	****		6/ 1	,	- 1.0	3170	140
09/08/2012;											
11/12/2012											
23/03/2012;	BH-5	Calcium	Lab analysis	Quarterly	87.5	80.70	mg/l	N/A	DWS	0%	No
19/06/2012;				·			S,				
09/08/2012;											
11/12/2012											
23/03/2012;	BH-5	Chloride	Lab analysis	Quarterly	21	20.40	mg/l	75	DWS	-2%	No
19/06/2012;											
09/08/2012;											
11/12/2012											
23/03/2012;	BH-5	Colour	Field analysis	Quarterly	Clear	Clear	N/A	N/A	DWS	0%	No
19/06/2012;											
09/08/2012;											
11/12/2012											

Groundwat	er/Soil mo	nitoring tem	plate		Lic No:	W0129-02		Year	2012		
23/03/2012;	BH-5	Conductivity	Field analysis	Quarterly	0.56	0.545	mS/cm	1	DWS	-14%	No
19/06/2012;											
09/08/2012;											
11/12/2012											
23/03/2012	BH-5	Cyanide	Lab analysis	Annually	0.01	0.01	mg/l	N/A	DWS	0%	No
23/03/2012;	BH-5	Dissolved	Field analysis	Quarterly	2.81	1.79	mg/l	N/A	DWS	-13%	No
19/06/2012;		Oxygen	·	•							
09/08/2012;		,,,									
11/12/2012											
23/03/2012;	BH-5	Iron	Lab analysis	Quarterly	0.02	0.02	mg/l	N/A	DWS	0%	No
19/06/2012;							J.				
09/08/2012;											
11/12/2012											
23/03/2012;	BH-5	Level, Water	Field analysis	Quarterly	103.52	102.92	mOD	N/A	DWS	1%	No
19/06/2012;											
09/08/2012;											
11/12/2012											
23/03/2012;	BH-5	Manganese	Lab analysis	Quarterly	0.28	0.26	mg/l	N/A	DWS	43%	No
19/06/2012;											
09/08/2012;											
11/12/2012		ļ									
23/03/2012;	BH-5	Odour	Field analysis	Quarterly	None	None	N/A	N/A	DWS	0%	No
19/06/2012;											
09/08/2012;											
11/12/2012											
23/03/2012;	BH-5	pН	Field analysis	Quarterly	7.1	7.025	рН	6 <ph<9< td=""><td>DWS</td><td>-1%</td><td>No</td></ph<9<>	DWS	-1%	No
19/06/2012;											
09/08/2012;											
11/12/2012											
23/03/2012;	BH-5	Phenols, Total	Lab analysis	Quarterly	0.1	0.1	mg/l	0.1	DWS	17%	No
19/06/2012;											
09/08/2012;											
11/12/2012 23/03/2012;	BH-5	Deteccions	Lab analysis	O. control.	1.3	1.18	/1	N/A	DWS	400/	
	вп-э	Potassium	Lab analysis	Quarterly	1.5	1.10	mg/l	N/A	DWS	-19%	No
19/06/2012;											
09/08/2012;											
11/12/2012 23/03/2012;	BH-5	Sodium	Lab analysis	Quarterly	37.5	22.13	mg/l	80	DWS	-90%	No
19/06/2012;	611-5	Souldin	Lab allalysis	Quarterly	37.3	22.13	IIIg/I	80	DW3	-90%	INU
09/08/2012;											
11/12/2012											
23/03/2012;	BH-5	Sulphate	Lab analysis	Quarterly	77.28	69.11	mg/l	150	DWS	-1%	No
19/06/2012;	5.13	Sa.priace	200 0019515	Quarterry	,,,,20	33.11	1116/1	150	5.775	1/0	140
09/08/2012;											
11/12/2012											
23/03/2012;	BH-5	Temperature	Field analysis	Quarterly	15.2	12.23	оС	N/A	DWS	23%	No
19/06/2012;	-			-,,			""	1 '		23/3	
09/08/2012;											
11/12/2012											
23/03/2012;	BH-5	Total Organic	Lab analysis	Quarterly	8	5.5	mg/l	50	DWS	21%	No
19/06/2012;		Carbon	· [•			, o,				-
09/08/2012;											
11/12/2012					<u> </u>						
23/03/2012;	BH-5	Total Oxidized	Lab analysis	Quarterly	0.2	0.2	mg/l	N/A	DWS	0%	No
19/06/2012;		Nitrogen	· [•			J.				
09/08/2012;											
11/12/2012											
23/03/2012	BH-5	Boron	Lab analysis	Annually	0.017	0.017	mg/l	N/A	DWS	-218%	No
23/03/2012	BH-5	Cadmium	Lab analysis	Annually	0.002	0.00125	mg/l	0.004	DWS	60%	No

<u>Groundwat</u>	er/Soil mo	nitoring tem	plate		Lic No:	W0129-02		Year	2012		
23/03/2012	BH-5	Chromium, Total	Lab analysis	Annually	0.0015	0.0015	mg/l	N/A	DWS	0%	No
23/03/2012	BH-5	Coliforms, Faecal	Lab analysis	Annually	0	0	cfus/100ml	N/A	DWS	-300%	No
23/03/2012	BH-5	Coliforms, Total	Lab analysis	Annually	0	0	cfus/100ml	N/A	DWS	-300%	No
23/03/2012	BH-5	Copper	Lab analysis	Annually	0.007	0.007	mg/l	0.5	DWS	0%	No
23/03/2012	BH-5	Fluoride	Lab analysis	Annually	0.3	0.3	mg/l	N/A	DWS	0%	No
23/03/2012	BH-5	Lead	Lab analysis	Annually	0.05	0.026	mg/l	N/A	DWS	81%	No
23/03/2012	BH-5	List I and II Substances	Lab analysis	Annually	0.01	0.01	mg/l	N/A	DWS	0%	No
23/03/2012	BH-5	Magnesium	Lab analysis	Annually	8.1	7.5	mg/l	N/A	DWS	13%	No
23/03/2012	BH-5	Mercury	Lab analysis	Annually	0.001	0.0008	mg/l	N/A	DWS	-33%	No
23/03/2012	BH-5	Orthophospha tes	Lab analysis	Annually	0.03	0.03	mg/l	N/A	DWS	-100%	No
23/03/2012	BH-5	PAHs (Total	Lab analysis	Annually	0.0001	0.0001	mg/l	N/A	DWS	0%	No
23/03/2012	BH-5	Phosphorus, Total	Lab analysis	Annually	0.013	0.013	mg/l	N/A	DWS	-4708%	No
23/03/2012	BH-5	Total Solids	Lab analysis	Annually	346	346	mg/l	N/A	DWS	0%	No
23/03/2012	BH-5	Zinc	Lab analysis	Annually	0.257	0.234	mg/l	N/A	DWS	86%	No
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-6	Ammoniacal Nitrogen	Lab analysis	Quarterly	0.3	0.29	mg/l NH4-N	N/A	DWS	-12%	No
23/03/2012; 19/06/2012; 09/08/2012;	BH-6	Arsenic	Lab analysis	Quarterly	0.0041	0.002	mg/l	N/A	DWS	-3%	No
11/12/2012 23/03/2012; 19/06/2012; 09/08/2012;	BH-6	Barium	Lab analysis	Quarterly	0.068	0.049	mg/l	N/A	DWS	-103%	No
23/03/2012; 19/06/2012; 09/08/2012;	BH-6	Calcium	Lab analysis	Quarterly	106	81.42	mg/l	N/A	DWS	-12%	No
23/03/2012; 19/06/2012; 09/08/2012;	BH-6	Chloride	Lab analysis	Quarterly	20.6	19.9	mg/l	75	DWS	-6%	No
23/03/2012; 19/06/2012; 09/08/2012;	BH-6	Colour	Field analysis	Quarterly	Clear	Clear	N/A	N/A	DWS	0%	No
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-6	Conductivity	Field analysis	Quarterly	0.7	0.659	mS/cm	1	DWS	5%	No
23/03/2012	BH-6	Cyanide	Lab analysis	Annually	0.01	0.01	mg/l	N/A	DWS	0%	No
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-6	Dissolved Oxygen	Field analysis	Quarterly	2.12	1.25	mg/l	N/A	DWS	13%	No

23/03/2012;	211.6							Year			
19/06/2012; 09/08/2012; 11/12/2012	BH-6	Iron	Lab analysis	Quarterly	1.56	0.35	mg/l	N/A	DWS	94%	No
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-6	Level, Water	Field analysis	Quarterly	117.31	117.31	mOD	N/A	DWS	0%	No
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-6	Manganese	Lab analysis	Quarterly	0.242	0.182	mg/l	N/A	DWS	-3%	No
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-6	Odour	Field analysis	Quarterly	None	None	N/A	N/A	DWS	0%	No
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-6	рН	Field analysis	Quarterly	7.2	7.12	рН	6 <ph<9< td=""><td>DWS</td><td>-2%</td><td>No</td></ph<9<>	DWS	-2%	No
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	ВН-6	Phenols, Total	Lab analysis	Quarterly	0.1	0.1	mg/l	0.1	DWS	-10%	No
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-6	Potassium	Lab analysis	Quarterly	6.36	5.99	mg/l	N/A	DWS	6%	No
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-6	Sodium	Lab analysis	Quarterly	675	150.04	mg/l	80	DWS	87%	No
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-6	Sulphate	Lab analysis	Quarterly	64.65	40.76	mg/l	150	DWS	26%	No
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-6	Temperature	Field analysis	Quarterly	18.3	12.45	оС	N/A	DWS	29%	No
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	ВН-6	Total Organic Carbon	Lab analysis	Quarterly	7	5	mg/l	50	DWS	4%	No
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	ВН-6	Total Oxidized Nitrogen	Lab analysis	Quarterly	0.2	0.18	mg/l	N/A	DWS	-30%	No
23/03/2012	BH-6	Boron	Lab analysis	Annually	0.082	0.0735	mg/l	N/A	DWS	-43%	No
23/03/2012	BH-6	Cadmium	Lab analysis	Annually	0.0005	0.0002	mg/l	0.004	DWS	-134%	No
23/03/2012	BH-6	Chromium, Total	Lab analysis	Annually	0.0024	0.002	mg/l	N/A	DWS	17%	No
23/03/2012	BH-6	Coliforms, Faecal	Lab analysis	Annually	5	5	cfus/100ml	N/A	DWS	100%	No
23/03/2012	BH-6	Coliforms, Total	Lab analysis	Annually	5	5	cfus/100ml	N/A	DWS	100%	No
_				A	0.007	0.005	mg/l	0.5	DWS	-45%	No
23/03/2012 23/03/2012	BH-6 BH-6	Copper Fluoride	Lab analysis Lab analysis	Annually Annually	0.007	0.3	mg/l	N/A	DWS	-12%	No

Groundwat	er/Soil mo	nitoring tem	plate		Lic No:	W0129-02		Year	2012		
23/03/2012	BH-6	List I and II Substances	Lab analysis	Annually	0.01	0.01	mg/l	N/A	DWS	0%	No
23/03/2012	BH-6	Magnesium	Lab analysis	Annually	19.6	12.767	mg/l	N/A	DWS	-41%	No
23/03/2012	BH-6	Mercury	Lab analysis	Annually	0.001	0.001	mg/l	N/A	DWS	-94%	No
23/03/2012	BH-6	Orthophospha tes	Lab analysis	Annually	0.03	0.0175	mg/l	N/A	DWS	-214%	No
23/03/2012	BH-6	PAHs (Total 17)	Lab analysis	Annually	0.0001	0.0001	mg/l	N/A	DWS	-200%	No
23/03/2012	BH-6	Phosphorus, Total	Lab analysis	Annually	0.005	0.005	mg/l	N/A	DWS	-300%	No
23/03/2012	BH-6	Total Solids	Lab analysis	Annually	406	406	mg/l	N/A	DWS	12%	No
23/03/2012	BH-6	Zinc	Lab analysis	Annually	0.246	0.161	mg/l	N/A	DWS	91%	No
23/03/2012; 19/06/2012; 09/08/2012;	BH-8	Ammoniacal Nitrogen	Lab analysis	Quarterly	6.31	2.79	mg/l NH4-N	N/A	DWS	73%	No
11/12/2012 23/03/2012; 19/06/2012; 09/08/2012;	BH-8	Arsenic	Lab analysis	Quarterly	0.0032	0.003	mg/l	N/A	DWS	7%	No
11/12/2012 23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-8	Barium	Lab analysis	Quarterly	0.064	0.058	mg/l	N/A	DWS	-10%	No
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-8	Calcium	Lab analysis	Quarterly	88.8	82.45	mg/l	N/A	DWS	-20%	No
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-8	Chloride	Lab analysis	Quarterly	147.4	83.375	mg/l	75	DWS	33%	No
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-8	Colour	Field analysis	Quarterly	Brown - high sediment	Orange-brown; sediment	N/A	N/A	DWS	0%	No
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-8	Conductivity	Field analysis	Quarterly	0.84	0.7475	mS/cm	1	DWS	5%	No
40991	BH-8	Cyanide	Lab analysis	Annually	0.01	0.01	mg/l	N/A	DWS	0%	No
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-8	Dissolved Oxygen	Field analysis	Quarterly	2.58	1.53	mg/l	N/A	DWS	-24%	No
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-8	Iron	Lab analysis	Quarterly	6.38	3.633	mg/l	N/A	DWS	97%	No
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-8	Level, Water	Field analysis	Quarterly	133.75	133.65	mOD	N/A	DWS	0%	No
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-8	Manganese	Lab analysis	Quarterly	3.845	2.328	mg/l	N/A	DWS	47%	No

<u>Groundwat</u>	er/Soil mo	nitoring tem	plate		Lic No:	W0129-02		Year	2012		
23/03/2012; 19/06/2012; 09/08/2012;	BH-8	Odour	Field analysis	Quarterly	None	None	N/A	N/A	DWS	0%	No
11/12/2012 23/03/2012; 19/06/2012;	BH-8	рН	Field analysis	Quarterly	6.9	6.725	рН	6 <ph<9< td=""><td>DWS</td><td>-3%</td><td>No</td></ph<9<>	DWS	-3%	No
09/08/2012; 11/12/2012											
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-8	Phenols, Total	Lab analysis	Quarterly	0.1	0.1	mg/l	0.1	DWS	-1%	No
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-8	Potassium	Lab analysis	Quarterly	7.8	5.25	mg/l	N/A	DWS	27%	No
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-8	Sodium	Lab analysis	Quarterly	62.3	37.73	mg/l	80	DWS	17%	No
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-8	Sulphate	Lab analysis	Quarterly	107.6	95.90	mg/l	150	DWS	-48%	No
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-8	Temperature	Field analysis	Quarterly	14.8	12.33	oC	N/A	DWS	9%	No
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-8	Total Organic Carbon	Lab analysis	Quarterly	70	33	mg/l	50	DWS	42%	No
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-8	Total Oxidized Nitrogen	Lab analysis	Quarterly	1.1	0.525	mg/l	N/A	DWS	-19%	No
23/03/2012	BH-8	Boron	Lab analysis	Annually	0.013	0.013	mg/l	N/A	DWS	-262%	No
23/03/2012	BH-8	Cadmium	Lab analysis	Annually	0.0014	0.001	mg/l	0.004	DWS	37%	No
23/03/2012	BH-8	Chromium, Total	Lab analysis	Annually	0.011	0.006	mg/l	N/A	DWS	76%	No
23/03/2012	BH-8	Coliforms, Faecal	Lab analysis	Annually	0	0	cfus/100ml	N/A	DWS	0%	No
23/03/2012	BH-8	Coliforms, Total	Lab analysis	Annually	2	2	cfus/100ml	N/A	DWS	100%	No
23/03/2012	BH-8	Copper	Lab analysis	Annually	0.007	0.007	mg/l	0.5	DWS	-14%	No
23/03/2012	BH-8	Fluoride	Lab analysis	Annually	0.3	0.3	mg/l	N/A	DWS	0%	No
23/03/2012	BH-8	Lead	Lab analysis	Annually	0.005	0.003	mg/l	N/A	DWS	-59%	No
23/03/2012	BH-8	List I and II Substances	Lab analysis	Annually	0.01	0.01	mg/l	N/A	DWS	0%	No
23/03/2012	BH-8	Magnesium	Lab analysis	Annually	12.1	10.9	mg/l	N/A	DWS	-5%	No
23/03/2012	BH-8	Mercury	Lab analysis	Annually	0.001	0.001	mg/l	N/A	DWS	-33%	No
23/03/2012	BH-8	Orthophospha tes	Lab analysis	Annually	0.03	0.03	mg/l	N/A	DWS	-100%	No
23/03/2012	BH-8	PAHs (Total 17)	Lab analysis	Annually	0.0001	0.0001	mg/l	N/A	DWS	-200%	No
23/03/2012	BH-8	Phosphorus, Total	Lab analysis	Annually	0.005	0.005	mg/l	N/A	DWS	-39000%	No
23/03/2012	BH-8	Total Solids	Lab analysis	Annually	653	653	mg/l	N/A	DWS	-32%	No

Groundwat	er/Soil mo	nitoring tem	plate		Lic No:	W0129-02		Year	2012		
23/03/2012	BH-8	Zinc	Lab analysis	Annually	0.007	0.005	mg/l	N/A	DWS	-90%	No
							<u>.</u>				
23/03/2012;	BH-9	Ammoniacal	Lab analysis	Quarterly	0.12	0.085	mg/l NH4-N	N/A	DWS	-6%	No
19/06/2012;	511 5	Nitrogen	Lub undrysis	Quarterly	0.12	0.003	111g/114114 14	14/74	5443	070	110
09/08/2012;		Microgen									
11/12/2012 23/03/2012;	BH-9	Arsenic	Lab avalusia	0	0.0057	0.004	/1	N/A	DWS	17%	No
	вн-9	Arsenic	Lab analysis	Quarterly	0.0057	0.004	mg/l	N/A	DWS	1/%	NO
19/06/2012;											
09/08/2012;											
11/12/2012	811.0				0.005		,,		B1116	000/	
23/03/2012;	BH-9	Barium	Lab analysis	Quarterly	0.005	0.004	mg/l	N/A	DWS	-93%	No
19/06/2012;											
09/08/2012;											
11/12/2012											
23/03/2012;	BH-9	Calcium	Lab analysis	Quarterly	91.5	89.675	mg/l	N/A	DWS	1%	No
19/06/2012;											
09/08/2012;											
11/12/2012											
23/03/2012;	BH-9	Chloride	Lab analysis	Quarterly	26.4	25.6	mg/l	75	DWS	6%	No
19/06/2012;											
09/08/2012;											
11/12/2012											
23/03/2012;	BH-9	Colour	Field analysis	Quarterly	Brown (sediment)	Clear	N/A	N/A	DWS	0%	No
19/06/2012;											
09/08/2012;											
11/12/2012											
23/03/2012;	BH-9	Conductivity	Field analysis	Quarterly	0.56	0.523	mS/cm	1	DWS	2%	No
19/06/2012;							ĺ				
09/08/2012;											
11/12/2012											
23/03/2012	BH-9	Cyanide	Lab analysis	Annually	0.01	0.01	mg/l	N/A	DWS	0%	No
23/03/2012;	BH-9	Dissolved	Field analysis	Quarterly	2.45	1.348	mg/l	N/A	DWS	-78%	No
19/06/2012;	55	Oxygen	ricia analysis	quarterry	2.13	2.0.10	6/ .	,/.	55	7070	110
09/08/2012;		Oxygen									
11/12/2012											
23/03/2012;	BH-9	Iron	Lab analysis	Quarterly	0.038	0.025	mg/l	N/A	DWS	7%	No
19/06/2012;	DI1-3	11011	Lab analysis	Quarterly	0.036	0.023	IIIg/I	11/7	DVV3	7 70	NO
09/08/2012; 11/12/2012											
11/12/2012 23/03/2012;	BH-9	Level, Water	Field analysis	Quarterly	108.09	106.825	mOD	N/A	DWS	1%	No
19/06/2012;	פ-ווס	Level, water	i ieiu aiiaiysis	Quarterry	100.03	100.023	מטווו	IN/A	DVV3	170	INO
09/08/2012;					1						
11/12/2012	BH-9	Manganass	Lab analysis	Quarterly	0.074	0.054	w /I	N/A	DWS	100/	Al -
23/03/2012;	рп-9	Manganese	Lau analysis	Quarterly	0.074	0.054	mg/l	IN/A	DVVS	-19%	No
19/06/2012;					1						
09/08/2012;											
11/12/2012	DI C	04.	Ciald and 1975	Out to t	N	Next	0.70	11/0	DVVC	001	
23/03/2012;	BH-9	Odour	Field analysis	Quarterly	None	None	N/A	N/A	DWS	0%	No
19/06/2012;											
09/08/2012;											
11/12/2012						_					
23/03/2012;	BH-9	pН	Field analysis	Quarterly	7	6.825	pH	6 <ph<9< td=""><td>DWS</td><td>0%</td><td>No</td></ph<9<>	DWS	0%	No
19/06/2012;											
09/08/2012;											
11/12/2012					1						
23/03/2012;	BH-9	Phenols, Total	Lab analysis	Quarterly	0.1	0.1	mg/l	0.1	DWS	-1%	No
19/06/2012;											
09/08/2012;											
						1	i				

<u>Groundwat</u>	er/Soil mo	nitoring tem	plate		Lic No:	W0129-02		Year	2012		
23/03/2012;	BH-9	Potassium	Lab analysis	Quarterly	0.6	0.575	mg/l	N/A	DWS	-9%	No
19/06/2012;											
09/08/2012;											
11/12/2012											
23/03/2012;	BH-9	Sodium	Lab analysis	Quarterly	15.5	14.65	mg/l	80	DWS	0%	No
19/06/2012;							J.				
09/08/2012;											
11/12/2012											
23/03/2012;	BH-9	Sulphate	Lab analysis	Quarterly	41.22	38.40	mg/l	150	DWS	4%	No
19/06/2012;			,	,			J.				
09/08/2012;											
11/12/2012											
23/03/2012;	BH-9	Temperature	Field analysis	Quarterly	15.4	12.85	оС	N/A	DWS	15%	No
19/06/2012;				·							
09/08/2012;											
11/12/2012											
23/03/2012;	BH-9	Total Organic	Lab analysis	Quarterly	9	8	mg/l	50	DWS	0%	No
19/06/2012;		Carbon								4,1	
09/08/2012;											
11/12/2012											
23/03/2012;	BH-9	Total Oxidized	Lab analysis	Quarterly	0.2	0.2	mg/l	N/A	DWS	0%	No
19/06/2012;		Nitrogen	,,,,	,			6/	,		0,0	
09/08/2012;		· · · · · · · · · · · · · · · · · · ·									
11/12/2012											
23/03/2012	BH-9	Boron	Lab analysis	Annually	0.012	0.012	mg/l	N/A	DWS	-217%	No
23/03/2012	BH-9	Cadmium	Lab analysis	Annually	0.0005	0.0003	mg/l	0.004	DWS	-82%	No
23/03/2012	BH-9	Chromium,			0.0015	0.0015	•		DWS	0%	
23/03/2012	БП-Э	Total	Lab analysis	Annually	0.0015	0.0015	mg/l	N/A	DWS	U%	No
23/03/2012	BH-9	Coliforms,	Lab analysis	Annually	0	0	cfus/100ml	N/A	DWS	0%	No
, ,		Faecal	,,,,	,			,	,		4,1	
23/03/2012	BH-9	Coliforms,	Lab analysis	Annually	0	0	cfus/100ml	N/A	DWS	0%	No
, ,		Total	,,,,	,			,	,		4,1	
23/03/2012	BH-9	Copper	Lab analysis	Annually	0.007	0.007	mg/l	0.5	DWS	0%	No
23/03/2012	BH-9	Fluoride	Lab analysis	Annually	0.3	0.3	mg/l	N/A	DWS	0%	No
23/03/2012	BH-9	Lead	Lab analysis	Annually	0.005	0.003	mg/l	N/A	DWS	-75%	No
23/03/2012	BH-9	List I and II	Lab analysis	Annually	0.01	0.01	mg/l	N/A	DWS	0%	No
23/03/2012	611-5	Substances	Lab allalysis	Allitually	0.01	0.01	IIIg/I	N/A	DW3	0/6	INU
23/03/2012	BH-9	Magnesium	Lab analysis	Annually	4.8	4.65	mg/l	N/A	DWS	8%	No
23/03/2012	BH-9	Mercury	Lab analysis	Annually	0.001	0.0008	mg/l	N/A	DWS	-33%	No
							•	_	DWS		
23/03/2012	BH-9	Orthophospha	Lab analysis	Annually	0.03	0.03	mg/l	N/A	DW2	-100%	No
23/03/2012	BH-9	tes PAHs (Total	Lab analysis	Annually	0.0001	0.0001	m = /I	N/A	DWS	-200%	No
23/03/2012	рп-9		Lan analysis	Annually	0.0001	0.0001	mg/l	N/A	DWS	-200%	NO
23/03/2012	BH-9	17) Phosphorus,	Lab analysis	Annually	0.005	0.005	ma/l	N/A	DWS	76400/	No
23/03/2012	рп-9		Lab analysis	Annually	0.005	0.005	mg/l	N/A	DWS	-7640%	No
23/03/2012	BH-9	Total Total Solids	Lab analysis	Annually	309	309	mg/l	N/A	DWS	-13%	No
23/03/2012	BH-9	Zinc	Lab analysis	Annually	0.0058	0.005	•	N/A	DWS	-104%	No
23/03/2012	611-9	ZIIIC	Lab allalysis	Ailliually	0.0038	0.003	mg/l	N/A	DVV3	-104%	INO
22/02/2012:	DU 114	Ammoniacel	Lab analysis	Quartarh	0.24	0.219	ma/LNILIA NI	N/A	DWS	69/	No
23/03/2012;	BH-11A	Ammoniacal	Lab analysis	Quarterly	0.24	0.218	mg/l NH4-N	N/A	DWS	-6%	No
19/06/2012;		Nitrogen									
09/08/2012;											
11/12/2012	DU 114	Arc==!=	Lab andicisis	Ougate de	0.000	0.027	/I	81/8	DWS	210/	NI -
23/03/2012;	BH-11A	Arsenic	Lab analysis	Quarterly	0.068	0.027	mg/l	N/A	DWS	31%	No
19/06/2012;											
09/08/2012;											
11/12/2012		1					i de la companya del companya de la companya del companya de la co	1			

Groundwat	er/Soil mo	nitoring tem	plate		Lic No:	W0129-02		Year	2012		
23/03/2012; 19/06/2012;	BH-11A	Barium	Lab analysis	Quarterly	0.0287	0.021	mg/l	N/A	DWS	-17%	N
09/08/2012; 11/12/2012	BULL	6.1.	Lab and A	0	100	00.01		2.72	Divis		
23/03/2012; 19/06/2012; 09/08/2012;	BH-11A	Calcium	Lab analysis	Quarterly	106	96.64	mg/l	N/A	DWS	7%	N
11/12/2012 23/03/2012; 19/06/2012; 09/08/2012;	BH-11A	Chloride	Lab analysis	Quarterly	23	22.5	mg/l	75	DWS	-4%	N
11/12/2012 23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-11A	Colour	Field analysis	Quarterly	Cloudy	Clear	N/A	N/A	DWS	0%	N
23/03/2012; 19/06/2012; 09/08/2012;	BH-11A	Conductivity	Field analysis	Quarterly	0.64	0.585	mS/cm	1	DWS	17%	N
11/12/2012 23/03/2012	BH-11A	Dissolved Oxygen	Field analysis	Quarterly	3.86	2.185	mg/l	N/A	DWS	13%	N
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-11A	Iron	Lab analysis	Quarterly	2.09	0.450	mg/l	N/A	DWS	96%	N
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-11A	Level, Water	Field analysis	Quarterly	98.44	98.425	mOD	N/A	DWS	0%	N
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-11A	Manganese	Lab analysis	Quarterly	0.387	0.370	mg/l	N/A	DWS	4%	N
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-11A	Odour	Field analysis	Quarterly	None	None	N/A	N/A	DWS	0%	N
23/03/2012; 19/06/2012; 09/08/2012;	BH-11A	рН	Field analysis	Quarterly	7	6.96	рН	6 <ph<9< td=""><td>DWS</td><td>-5%</td><td>N</td></ph<9<>	DWS	-5%	N
11/12/2012 23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-11A	Phenols, Total	Lab analysis	Quarterly	0.1	0.1	mg/l	0.1	DWS	-10%	N
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-11A	Potassium	Lab analysis	Quarterly	2.2	1.998	mg/l	N/A	DWS	-2%	N
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-11A	Sodium	Lab analysis	Quarterly	17.8	16.6	mg/l	80	DWS	2%	N
23/03/2012; 19/06/2012; 09/08/2012;	BH-11A	Sulphate	Lab analysis	Quarterly	31.3	15.924	mg/l	150	DWS	40%	N

Groundwat	er/Soil mo	nitoring tem	plate		Lic No:	W0129-02		Year	2012		
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-11A	Temperature	Field analysis	Quarterly	15.2	12.35	оС	N/A	DWS	10%	No
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-11A	Total Organic Carbon	Lab analysis	Quarterly	8	6	mg/l	50	DWS	27%	Yes
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-11A	Total Oxidized Nitrogen	Lab analysis	Quarterly	0.2	0.18	mg/l	N/A	DWS	-2%	No
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-11A	Boron	Lab analysis	Annually	0.022	0.0205	mg/l	N/A	DWS	-159%	No
23/03/2012	BH-11A	Cadmium	Lab analysis	Annually	0.0005	0.00024	mg/l	0.004	DWS	-108%	No
23/03/2012	BH-11A	Chromium, Total	Lab analysis	Annually	0.0025	0.00187	mg/l	N/A	DWS	20%	No
23/03/2012	BH-11A	Coliforms, Faecal	Lab analysis	Annually	0	0	cfus/100ml	N/A	DWS	0%	No
23/03/2012	BH-11A	Coliforms, Total	Lab analysis	Annually	0	0	cfus/100ml	N/A	DWS	0%	No
23/03/2012	BH-11A	Copper	Lab analysis	Annually	0.007	0.0048	mg/l	0.5	DWS	-45%	No
23/03/2012	BH-11A	Cyanide	Lab analysis	Annually	0.01	0.01	mg/l	N/A	DWS	0%	No
23/03/2012	BH-11A	Fluoride	Lab analysis	Annually	0.5	0.5	mg/l	N/A	DWS	4%	No
23/03/2012	BH-11A	Lead	Lab analysis	Annually	0.005	0.0020	mg/l	N/A	DWS	-154%	No
23/03/2012	BH-11A	List I and II Substances	Lab analysis	Annually	0.01	0.01	mg/l	N/A	DWS	0%	No
23/03/2012	BH-11A	Magnesium	Lab analysis	Annually	12.6	12.1	mg/l	N/A	DWS	0%	No
23/03/2012	BH-11A	Mercury	Lab analysis	Annually	0.001	0.0005	mg/l	N/A	DWS	-94%	No
23/03/2012	BH-11A	Orthophospha tes	Lab analysis	Annually	0.03	0.0175	mg/l	N/A	DWS	-214%	No
23/03/2012	BH-11A	PAHs (Total 17)	Lab analysis	Annually	0.0001	0.0001	mg/l	N/A	DWS	-200%	No
23/03/2012	BH-11A	Phosphorus, Total	Lab analysis	Annually	0.005	0.005	mg/l	N/A	DWS	-300%	No
23/03/2012	BH-11A	Total Solids	Lab analysis	Annually	233	233	mg/l	N/A	DWS	-49%	No
23/03/2012	BH-11A	Zinc	Lab analysis	Annually	0.019	0.0176	mg/l	N/A	DWS	-2%	No
							SELECT				SELECT
							SELECT				SELECT

^{.+} where average indicates arithmetic mean

Table 2: Downgradient Groundwater monitoring results

	g. aa.c										
Date of	Sample	Parameter/	Methodology	Monitoring frequency	Maximum	Average	unit	GTV's*	SELECT**	% change in	Upward trend in yearly
sampling	location	Substance			Concentration	Concentration				average	average pollutant
	reference									concentration	concentration over last
										previous year +/-	5 years of monitoring
											data
23/03/2012;	BH-4A	Ammoniacal	Lab analysis	Quarterly	0.05	0.035	mg/l NH4-N	N/A	DWS	14%	No
19/06/2012;		Nitrogen									
09/08/2012;											
11/12/2012			1							I	

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

Groundwat	er/Soil mo	onitoring tem	plate		Lic No:	W0129-02		Year	2012		
23/03/2012; 19/06/2012;	BH-4A	Arsenic	Lab analysis	Quarterly	0.0025	0.0025	mg/l	N/A	DWS	-40%	N
09/08/2012; 11/12/2012											
23/03/2012; 19/06/2012; 09/08/2012;	BH-4A	Barium	Lab analysis	Quarterly	0.021	0.017	mg/l	N/A	DWS	-59%	ľ
11/12/2012 23/03/2012; 19/06/2012;	BH-4A	Calcium	Lab analysis	Quarterly	105.9	87.9	mg/l	N/A	DWS	-1%	N
09/08/2012; 09/08/2012; 11/12/2012											
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-4A	Chloride	Lab analysis	Quarterly	23.8	21.1	mg/l	75	DWS	18%	1
23/03/2012; 19/06/2012; 09/08/2012;	BH-4A	Colour	Field analysis	Quarterly	Clear	Clear	N/A	N/A	DWS	0%	1
11/12/2012 23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-4A	Conductivity	Field analysis	Quarterly	0.64	0.59	mS/cm	1	DWS	4%	١
23/03/2012	BH-4A	Cyanide	Lab analysis	Annually	0.01	0.01	mg/l	N/A	DWS	0%	1
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-4A	Dissolved Oxygen	Field analysis	Quarterly	2.75	1.95	mg/l	N/A	DWS	20%	1
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-4A	Iron	Lab analysis	Quarterly	0.02	0.02	mg/l	N/A	DWS	0%	1
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-4A	Level, Water	Field analysis	Quarterly	91.96	91.96	mOD	N/A	DWS	0%	1
23/03/2012; 19/06/2012; 09/08/2012;	BH-4A	Manganese	Lab analysis	Quarterly	0.19	0.17375	mg/l	N/A	DWS	-50%	r
23/03/2012; 19/06/2012; 09/08/2012;	BH-4A	Odour	Field analysis	Quarterly	None	None	N/A	N/A	DWS	0%	1
11/12/2012 23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-4A	рН	Field analysis	Quarterly	7.4	7.25	рН	6 <ph<9< td=""><td>DWS</td><td>-2%</td><td>1</td></ph<9<>	DWS	-2%	1
23/03/2012; 19/06/2012; 09/08/2012;	BH-4A	Phenols, Total	Lab analysis	Quarterly	0.1	0.1	mg/l	0.1	DWS	0%	1
11/12/2012 23/03/2012; 19/06/2012; 09/08/2012;	BH-4A	Potassium	Lab analysis	Quarterly	1.6	1.375	mg/l	N/A	DWS	4%	1

Groundwat	er/Soil mo	onitoring tem	plate		Lic No:	W0129-02		Year	2012		
23/03/2012; 19/06/2012; 09/08/2012;	BH-4A	Sodium	Lab analysis	Quarterly	657.3	173.8	mg/l	80	DWS	93%	N
11/12/2012	DI: 44	Codetes	Lab and 100	Overt 1	40.72	22.20		450	Divis	350	-
23/03/2012; 19/06/2012; 09/08/2012;	BH-4A	Sulphate	Lab analysis	Quarterly	48.73	32.39	mg/l	150	DWS	25%	N
11/12/2012											
23/03/2012; 19/06/2012; 09/08/2012;	BH-4A	Temperature	Field analysis	Quarterly	13.7	12.15	оС	N/A	DWS	1%	N
11/12/2012	BH-4A	Total Organic	Lab analysis	O control c	10	7	/1	50	DWS	25%	N
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	вн-4А	Carbon	Lab analysis	Quarterly	10	,	mg/l	50	DWS	25%	N
23/03/2012; 19/06/2012; 09/08/2012;	BH-4A	Total Oxidized Nitrogen	Lab analysis	Quarterly	0.2	0.2	mg/l	N/A	DWS	0%	N
11/12/2012 23/03/2012	BH-4A	Boron	Lab analysis	Annually	0.016	0.016	ma/I	N/A	DWS	-206%	N
23/03/2012	BH-4A	Cadmium	Lab analysis	Annually	0.0005	0.000265	mg/l mg/l	0.004	DWS	-89%	N
23/03/2012	BH-4A	Chromium, Total	Lab analysis	Annually	0.0003	0.000203	mg/l	N/A	DWS	0%	N
23/03/2012	BH-4A	Coliforms, Faecal	Lab analysis	Annually	0	0	cfus/100ml	N/A	DWS	0%	N
23/03/2012	BH-4A	Coliforms, Total	Lab analysis	Annually	0	0	cfus/100ml	N/A	DWS	0%	١
23/03/2012	BH-4A	Copper	Lab analysis	Annually	0.007	0.007	mg/l	0.5	DWS	0%	N
23/03/2012	BH-4A	Fluoride	Lab analysis	Annually	0.3	0.3	mg/l	N/A	DWS	0%	N
23/03/2012	BH-4A	Lead	Lab analysis	Annually	0.005	0.00325	mg/l	N/A	DWS	-54%	N
23/03/2012	BH-4A	List I and II Substances	Lab analysis	Annually	0.01	0.01	mg/l	N/A	DWS	0%	N
23/03/2012	BH-4A	Magnesium	Lab analysis	Annually	8.9	8.9	mg/l	N/A	DWS	-3%	N
23/03/2012	BH-4A	Mercury	Lab analysis	Annually	0.001	0.00075	mg/l	N/A	DWS	-33%	N
23/03/2012	BH-4A	Orthophospha tes	Lab analysis	Annually	0.03	0.03	mg/l	N/A	DWS	-3000%	N
23/03/2012	BH-4A	PAHs (Total 17)	Lab analysis	Annually	0.0001	0.0001	mg/l	N/A	DWS	-200%	N
23/03/2012	BH-4A	Phosphorus, Total	Lab analysis	Annually	0.005	0.005	mg/l	N/A	DWS	-1280%	N
23/03/2012	BH-4A	Total Solids	Lab analysis	Annually	233	233	mg/l	N/A	DWS	-49%	N
23/03/2012	BH-4A	Zinc	Lab analysis	Annually	0.049	0.02525	mg/l	N/A	DWS	84%	N
23/03/2012; 19/06/2012; 09/08/2012;	BH-10A	Ammoniacal Nitrogen	Lab analysis	Quarterly	0.03	0.03	mg/l NH4-N	N/A	DWS	13%	N
11/12/2012 23/03/2012; 19/06/2012; 09/08/2012;	BH-10A	Arsenic	Lab analysis	Quarterly	0.004	0.003	mg/l	N/A	DWS	13%	N
11/12/2012 23/03/2012; 19/06/2012; 09/08/2012;	BH-10A	Barium	Lab analysis	Quarterly	0.020	0.014	mg/l	N/A	DWS	-1%	N

Groundwat	ter/Soil mo	nitoring tem	plate		Lic No:	W0129-02		Year	2012		
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-10A	Calcium	Lab analysis	Quarterly	225	163.7	mg/l	N/A	DWS	-9%	N
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-10A	Chloride	Lab analysis	Quarterly	41.2	39.06	mg/l	75	DWS	10%	N
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-10A	Colour	Field analysis	Quarterly	Cloudy	Clear	N/A	N/A	DWS	0%	N
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-10A	Conductivity	Field analysis	Quarterly	0.99	0.85	mS/cm	1	DWS	-10%	N
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-10A	Dissolved Oxygen	Field analysis	Quarterly	6.19	3.45	mg/l	N/A	DWS	-129%	N
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-10A	Iron	Lab analysis	Quarterly	0.035	0.023	mg/l	N/A	DWS	13%	N
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-10A	Level, Water	Field analysis	Quarterly	101.2	100.8	mOD	N/A	DWS	1%	N
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-10A	Manganese	Lab analysis	Quarterly	0.26	0.05	mg/l	N/A	DWS	96%	N
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-10A	Odour	Field analysis	Quarterly	None	None	N/A	N/A	DWS	0%	Ν
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-10A	рН	Field analysis	Quarterly	7.6	7.42	рН	6 <ph<9< td=""><td>DWS</td><td>-2%</td><td>N</td></ph<9<>	DWS	-2%	N
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-10A	Phenols, Total	Lab analysis	Quarterly	0.1	0.1	mg/l	0.1	DWS	0%	Ν
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-10A	Potassium	Lab analysis	Quarterly	3.1	2.7	mg/l	N/A	DWS	-4%	N
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-10A	Sodium	Lab analysis	Quarterly	22.2	19.4	mg/l	80	DWS	-5%	N
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-10A	Sulphate	Lab analysis	Quarterly	400.8	279.4	mg/l	150	DWS	-15%	N
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-10A	Temperature	Field analysis	Quarterly	15.8	12.0	oC	N/A	DWS	4%	N

Groundwat	er/Soil mo	nitoring tem	plate		Lic No:	W0129-02		Year	2012		
23/03/2012;	BH-10A	Total Organic	Lab analysis	Quarterly	27	12.3	mg/l	50	DWS	37%	No
19/06/2012;		Carbon									
09/08/2012;											
11/12/2012											
23/03/2012;	BH-10A	Total Oxidized	Lab analysis	Quarterly	0.6	0.3	mg/l	N/A	DWS	-120%	No
19/06/2012;		Nitrogen					•				
09/08/2012;											
11/12/2012											
23/03/2012	BH-10A	Boron	Lab analysis	Annually	0.027	0.0195	mg/l	N/A	DWS	-177%	No
23/03/2012	BH-10A	Cadmium	Lab analysis	Annually	0.0005	0.0004	mg/l	0.004	DWS	-32%	No
23/03/2012	BH-10A	Chromium,	Lab analysis	Annually	0.0015	0.0015	mg/l	N/A	DWS	0%	No
,,,,,		Total	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,				,		4,1	
23/03/2012	BH-10A	Coliforms,	Lab analysis	Annually	0	0	cfus/100ml	N/A	DWS	0%	No
		Faecal	•	•			,	,			
23/03/2012	BH-10A	Coliforms,	Lab analysis	Annually	0	0	cfus/100ml	N/A	DWS	0%	No
		Total	•	•			,	,			
23/03/2012	BH-10A	Copper	Lab analysis	Annually	0.007	0.005	mg/l	0.5	DWS	-45%	No
23/03/2012	BH-10A	Cyanide	Lab analysis	Annually	0.01	0.01	mg/l	N/A	DWS	0%	No
23/03/2012	BH-10A	Fluoride	Lab analysis	Annually	0.3	0.3	mg/l	N/A	DWS	37%	No
23/03/2012	BH-10A	Lead	Lab analysis	Annually	0.005	0.002	•	N/A	DWS	-150%	No
							mg/l		_		
23/03/2012	BH-10A	List I and II	Lab analysis	Annually	0	0.01	mg/l	N/A	DWS	0%	No
23/03/2012	BH-10A	Substances	Lab analysis	A	18.1	12.7	/1	N/A	DWS	450/	
		Magnesium	Lab analysis	Annually			mg/l			-15%	No
23/03/2012	BH-10A	Mercury	Lab analysis	Annually	0.001	0.001	mg/l	N/A	DWS	-94%	No
23/03/2012	BH-10A	Orthophospha	Lab analysis	Annually	0.03	0.02	mg/l	N/A	DWS	-67%	No
23/03/2012	BH-10A	tes PAHs (Total	Lab analysis	Annually	0.0001	0.0001	mg/l	N/A	DWS	-200%	No
23/03/2012	DII-IOA	17)	Lab ariarysis	Aillidally	0.0001	0.0001	IIIg/I	11/7	DWS	-20076	INO
23/03/2012	BH-10A	Phosphorus,	Lab analysis	Annually	0.005	0.005	mg/l	N/A	DWS	-2620%	No
23/03/2012	DI1 10/1	Total	Lub dilaiysis	Aimadily	0.003	0.003	IIIg/I	1477	5113	-202076	NO
23/03/2012	BH-10A	Total Solids	Lab analysis	Annually	642	642	mg/l	N/A	DWS	-60%	No
23/03/2012	BH-10A	Zinc	Lab analysis	Annually	0.0133	0.006		N/A	DWS	-44%	No
23/03/2012	DII-IOA	ZIIIC	Lab ariarysis	Aillidally	0.0133	0.000	mg/l	11/7	DWS		INU
										0%	
23/03/2012;	BH-12	Ammoniacal	Lab analysis	Quarterly	0.05	0.035	mg/l NH4-N	N/A	DWS	-700%	No
19/06/2012;		Nitrogen									
09/08/2012;											
11/12/2012											
23/03/2012;	BH-12	Arsenic	Lab analysis	Quarterly	0.0025	0.0025	mg/l	N/A	DWS	-30%	No
19/06/2012;											
09/08/2012;											
11/12/2012	DII 43	David vi	Lab and St	Out to the	0.045	0.013	h	51/0	DIME	1130/	A1 -
23/03/2012;	BH-12	Barium	Lab analysis	Quarterly	0.015	0.012	mg/l	N/A	DWS	-113%	No
19/06/2012;						1					
09/08/2012;						1					
11/12/2012 23/03/2012;	BH-12	Calcium	Lab analysis	Quartorly	29.9	20.5	ma/I	N/A	DWS	130/	No
	DU-17	Calcium	Lau andlysis	Quarterly	29.9	20.5	mg/l	N/A	DVVS	-12%	No
19/06/2012;											
09/08/2012; 11/12/2012								1			
23/03/2012;	BH-12	Chloride	Lab analysis	Quarterly	3	2.0	ma/I	75	DWS	-218%	No
	DI I-12	Cilionae	Lab allalysis	Quarterly	3	2.0	mg/l	/3	DVV3	-21870	NO
19/06/2012;						1					
09/08/2012; 11/12/2012											
23/03/2012;	BH-12	Colour	Field analysis	Quarterly	Light brown	Brown sediment	N/A	N/A	DWS	0%	No
19/06/2012;	DII-12	Coloui	riciu ariarysis	Quarterly	LIGITE DIOWII	Drown seament	IN/A	13/5	DVV3	U/0	INU
09/08/2012;											

Groundwat	er/Soil mo	nitoring tem	plate		Lic No:	W0129-02		Year	2012		
23/03/2012; 19/06/2012; 09/08/2012;	BH-12	Conductivity	Field analysis	Quarterly	0.15	0.12	mS/cm	1	DWS	-22%	No
11/12/2012 23/03/2012; 19/06/2012; 09/08/2012;	BH-12	Dissolved Oxygen	Field analysis	Quarterly	5.78	3.38	mg/l	N/A	DWS	-5%	No
11/12/2012 23/03/2012; 19/06/2012; 09/08/2012;	BH-12	Iron	Lab analysis	Quarterly	0.02	0.02	mg/l	N/A	DWS	0%	No
11/12/2012 23/03/2012; 19/06/2012; 09/08/2012;	BH-12	Level, Water	Field analysis	Quarterly	102.13	101.163	mOD	N/A	DWS	0%	No
11/12/2012 23/03/2012; 19/06/2012; 09/08/2012;	BH-12	Manganese	Lab analysis	Quarterly	0.002	0.002	mg/l	N/A	DWS	0%	No
11/12/2012 23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-12	Odour	Field analysis	Quarterly	None	None	N/A	N/A	DWS	0%	No
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-12	рН	Field analysis	Quarterly	7.9	7.5	рН	6 <ph<9< td=""><td>DWS</td><td>-3%</td><td>No</td></ph<9<>	DWS	-3%	No
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-12	Phenols, Total	Lab analysis	Quarterly	0.1	0.1	mg/l	0.1	DWS	0%	No
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-12	Potassium	Lab analysis	Quarterly	3.6	2.7	mg/l	N/A	DWS	-10%	No
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-12	Sodium	Lab analysis	Quarterly	4	3.1	mg/l	80	DWS	-127%	No
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-12	Sulphate	Lab analysis	Quarterly	7.28	4.56	mg/l	150	DWS	8%	No
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-12	Temperature	Field analysis	Quarterly	14.1	11.28	оС	N/A	DWS	6%	No
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-12	Total Organic Carbon	Lab analysis	Quarterly	6	5.3	mg/l	50	DWS	-62%	Yes
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-12	Total Oxidized Nitrogen	Lab analysis	Quarterly	0.5	0.3	mg/l	N/A	DWS	-50%	No
23/03/2012	BH-12	Boron	Lab analysis	Annually	0.012	0.012	mg/l	N/A	DWS	-367%	No
23/03/2012	BH-12	Cadmium	Lab analysis	Annually	0.0005	0.0003	mg/l	0.004	DWS	-89%	No

Groundwat	er/Soil mo	nitoring tem	plate		Lic No:	W0129-02		Year	2012		
23/03/2012	BH-12	Chromium, Total	Lab analysis	Annually	0.0015	0.0015	mg/l	N/A	DWS	0%	No
23/03/2012	BH-12	Coliforms, Faecal	Lab analysis	Annually	0	0	cfus/100ml	N/A	DWS	0%	No
23/03/2012	BH-12	Coliforms, Total	Lab analysis	Annually	0	0	cfus/100ml	N/A	DWS	0%	No
23/03/2012	BH-12	Copper	Lab analysis	Annually	0.007	0.007	mg/l	0.5	DWS	0%	No
23/03/2012	BH-12	Cyanide	Lab analysis	Annually	0.01	0.01	mg/l	N/A	DWS	0%	No
23/03/2012	BH-12	Fluoride	Lab analysis	Annually	0.3	0.3	mg/l	N/A	DWS	0%	No
23/03/2012	BH-12	Lead	Lab analysis	Annually	0.005	0.003	mg/l	N/A	DWS	-75%	No
23/03/2012	BH-12	List I and II Substances	Lab analysis	Annually	0.01	0.01	mg/l	N/A	DWS	0%	No
23/03/2012	BH-12	Magnesium	Lab analysis	Annually	5.5	3.1	mg/l	N/A	DWS	77%	No
23/03/2012	BH-12	Mercury	Lab analysis	Annually	0.001	0.0008	mg/l	N/A	DWS	-33%	No
23/03/2012	BH-12	Orthophospha tes	Lab analysis	Annually	0.03	0.03	mg/l	N/A	DWS	-100%	No
23/03/2012	BH-12	PAHs (Total	Lab analysis	Annually	0.0001	0.0001	mg/l	N/A	DWS	-200%	No
23/03/2012	BH-12	Phosphorus, Total	Lab analysis	Annually	0.005	0.005	mg/l	N/A	DWS	-10120%	No
23/03/2012	BH-12	Total Solids	Lab analysis	Annually	64	64	mg/l	N/A	DWS	-459%	No
23/03/2012	BH-12	Zinc	Lab analysis	Annually	0.005	0.00325	mg/l	N/A	DWS	-85%	No
							_			0%	
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-13	Ammoniacal Nitrogen	Lab analysis	Quarterly	0.05	0.04	mg/l NH4-N	N/A	DWS	-6%	No
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-13	Arsenic	Lab analysis	Quarterly	0.0025	0.0025	mg/l	N/A	DWS	-55%	No
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-13	Barium	Lab analysis	Quarterly	0.018	0.0105	mg/l	N/A	DWS	10%	No
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-13	Calcium	Lab analysis	Quarterly	55.6	44.75	mg/l	N/A	DWS	-14%	No
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-13	Chloride	Lab analysis	Quarterly	32.9	28.05	mg/l	75	DWS	-30%	No
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-13	Colour	Field analysis	Quarterly	Brown (sediment)	Brown/ sediment	N/A	N/A	DWS	0%	No
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-13	Conductivity	Field analysis	Quarterly	0.33	0.305	mS/cm	1	DWS	-26%	No
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-13	Dissolved Oxygen	Field analysis	Quarterly	8.32	4.84	mg/l	N/A	DWS	4%	No

Groundwat	ter/Soil mo	nitoring tem	plate		Lic No:	W0129-02		Year	2012		
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-13	Iron	Lab analysis	Quarterly	0.02	0.02	mg/l	N/A	DWS	0%	No
23/03/2012; 19/06/2012; 09/08/2012;	BH-13	Level, Water	Field analysis	Quarterly	117.11	114.63	mOD	N/A	DWS	2%	No
11/12/2012 23/03/2012; 19/06/2012; 09/08/2012;	BH-13	Manganese	Lab analysis	Quarterly	0.018	0.006	mg/l	N/A	DWS	67%	No
11/12/2012 23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-13	Odour	Field analysis	Quarterly	None	None	N/A	N/A	DWS	0%	No
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-13	рН	Field analysis	Quarterly	7.7	7.4	рН	6 <ph<9< td=""><td>DWS</td><td>-2%</td><td>No</td></ph<9<>	DWS	-2%	No
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-13	Phenols, Total	Lab analysis	Quarterly	0.1	0.1	mg/l	0.1	DWS	-1%	No
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-13	Potassium	Lab analysis	Quarterly	1.6	1.3	mg/l	N/A	DWS	-42%	No
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-13	Sodium	Lab analysis	Quarterly	17	15.2	mg/l	80	DWS	-14%	No
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-13	Sulphate	Lab analysis	Quarterly	43.09	23.67	mg/l	150	DWS	50%	No
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-13	Temperature	Field analysis	Quarterly	13.9	10.75	oC	N/A	DWS	2%	No
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-13	Total Organic Carbon	Lab analysis	Quarterly	9	7.25	mg/l	50	DWS	14%	No
23/03/2012; 19/06/2012; 09/08/2012;	BH-13	Total Oxidized Nitrogen	Lab analysis	Quarterly	8.9	5.225	mg/l	N/A	DWS	-76%	No
23/03/2012	BH-13	Boron	Lab analysis	Annually	0.012	0.012	mg/l	N/A	DWS	0%	No
23/03/2012	BH-13	Cadmium	Lab analysis	Annually	0.0005	0.0003	mg/l	0.004	DWS	-89%	No
23/03/2012	BH-13	Chromium, Total	Lab analysis	Annually	0.002	0.002	mg/l	N/A	DWS	14%	No
23/03/2012	BH-13	Coliforms, Faecal	Lab analysis	Annually	0	0	cfus/100ml	N/A	DWS	0%	No
23/03/2012	BH-13	Coliforms, Total	Lab analysis	Annually	0	0	cfus/100ml	N/A	DWS	0%	No
		Connor	Lab analysis	Annually	0.007	0.007	mg/l	0.5	DWS	0%	No
23/03/2012	BH-13	Copper	Lab ariarysis				1116/1				110
23/03/2012 23/03/2012 23/03/2012	BH-13 BH-13 BH-13	Cyanide Fluoride	Lab analysis Lab analysis	Annually Annually	0.01	0.01	mg/l	N/A N/A	DWS DWS	0% 0%	No No

Groundwat	er/Soil mo	nitoring tem	plate		Lic No:	W0129-02		Year	2012		
23/03/2012	BH-13	Lead	Lab analysis	Annually	0.005	0.003	mg/l	N/A	DWS	-85%	No
23/03/2012	BH-13	List I and II Substances	Lab analysis	Annually	0.01	0.01	mg/l	N/A	DWS	0%	No
23/03/2012	BH-13	Magnesium	Lab analysis	Annually	10.5	7.3	mg/l	N/A	DWS	47%	No
23/03/2012	BH-13	Mercury	Lab analysis	Annually	0.001	0.0008	mg/l	N/A	DWS	-33%	No
23/03/2012	BH-13	Orthophospha tes	Lab analysis	Annually	0.13	0.13	mg/l	N/A	DWS	-523%	No
23/03/2012	BH-13	PAHs (Total	Lab analysis	Annually	0.0001	0.0001	mg/l	N/A	DWS	-200%	No
23/03/2012	BH-13	Phosphorus, Total	Lab analysis	Annually	0.194	0.194	mg/l	N/A	DWS	-3207%	No
23/03/2012	BH-13	Total Solids	Lab analysis	Annually	187	187	mg/l	N/A	DWS	-2397%	No
23/03/2012	BH-13	Zinc	Lab analysis	Annually	0.005	0.003	mg/l	N/A	DWS	8%	No
			,	· · · · · · · · · · · · · · · · · · ·			Si .			0%	
23/03/2012; 19/06/2012; 09/08/2012;	BH-14	Ammoniacal Nitrogen	Lab analysis	Quarterly	0.03	0.03	mg/l NH4-N	N/A	DWS	-42%	No
11/12/2012 23/03/2012; 19/06/2012;	BH-14	Arsenic	Lab analysis	Quarterly	0.0025	0.0025	mg/l	N/A	DWS	-1%	No
09/08/2012; 11/12/2012	DUIAA	Decision	Laboratoria	0	0.027	0.022		21/2	DWG	2401	
23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-14	Barium	Lab analysis	Quarterly	0.037	0.033	mg/l	N/A	DWS	31%	No
23/03/2012; 19/06/2012; 09/08/2012;	BH-14	Calcium	Lab analysis	Quarterly	24.7	21.3	mg/l	N/A	DWS	-24%	No
11/12/2012 23/03/2012; 19/06/2012; 09/08/2012;	BH-14	Chloride	Lab analysis	Quarterly	21.8	15.0	mg/l	75	DWS	-43%	No
11/12/2012 23/03/2012; 19/06/2012; 09/08/2012;	BH-14	Colour	Field analysis	Quarterly	Light brown	Clear	N/A	N/A	DWS	0%	No
11/12/2012 23/03/2012; 19/06/2012; 09/08/2012;	BH-14	Conductivity	Field analysis	Quarterly	0.22	0.20	mS/cm	1	DWS	-17%	No
11/12/2012 23/03/2012; 19/06/2012; 09/08/2012;	BH-14	Dissolved Oxygen	Field analysis	Quarterly	6.36	4.22	mg/l	N/A	DWS	16%	No
11/12/2012 23/03/2012; 19/06/2012; 09/08/2012;	BH-14	Iron	Lab analysis	Quarterly	0.163	0.06	mg/l	N/A	DWS	64%	No
11/12/2012 23/03/2012; 19/06/2012; 09/08/2012;	BH-14	Level, Water	Field analysis	Quarterly	100.06	99.58	mOD	N/A	DWS	1%	No
11/12/2012 23/03/2012; 19/06/2012; 09/08/2012; 11/12/2012	BH-14	Manganese	Lab analysis	Quarterly	0.021	0.01	mg/l	N/A	DWS	23%	No

<u>Groundwat</u>	er/Soil mo	nitoring tem	plate		Lic No:	W0129-02		Year	2012		
23/03/2012;	BH-14	Odour	Field analysis	Quarterly	None	None	N/A	N/A	DWS	0%	No
19/06/2012;											
09/08/2012;											
11/12/2012											
23/03/2012;	BH-14	pН	Field analysis	Quarterly	7.7	7.4	pН	6 <ph<9< td=""><td>DWS</td><td>5%</td><td>No</td></ph<9<>	DWS	5%	No
19/06/2012;							·				
09/08/2012;											
11/12/2012											
23/03/2012;	BH-14	Phenols, Total	Lab analysis	Quarterly	0.1	0.1	mg/l	0.1	DWS	-1%	No
19/06/2012;											
09/08/2012;											
11/12/2012											
23/03/2012;	BH-14	Potassium	Lab analysis	Quarterly	3.6	3.4	mg/l	N/A	DWS	25%	No
19/06/2012;											
09/08/2012;											
11/12/2012											
23/03/2012;	BH-14	Sodium	Lab analysis	Quarterly	10.5	8.4	mg/l	80	DWS	-25%	No
19/06/2012;											
09/08/2012;											
11/12/2012											
23/03/2012;	BH-14	Sulphate	Lab analysis	Quarterly	29.9	25.18	mg/l	150	DWS	-14%	No
19/06/2012;											
09/08/2012;											
11/12/2012		<u> </u>									
23/03/2012;	BH-14	Temperature	Field analysis	Quarterly	15.5	12.8	оС	N/A	DWS	17%	No
19/06/2012;											
09/08/2012;											
11/12/2012											
23/03/2012;	BH-14	Total Organic	Lab analysis	Quarterly	10	8.5	mg/l	50	DWS	0%	Yes
19/06/2012;		Carbon									
09/08/2012;											
11/12/2012	DUIAA	Tarabo de la cal	Laborate da	0	7.5	4.05	/1	21/2	DIME	400/	
23/03/2012;	BH-14	Total Oxidized	Lab analysis	Quarterly	7.5	4.65	mg/l	N/A	DWS	-40%	No
19/06/2012;		Nitrogen									
09/08/2012;											
11/12/2012 23/03/2012	BH-14	Boron	Lab analysis	Annually	0.028	0.028	/I	N/A	DWS	1.400/	V
23/03/2012	BH-14	Cadmium	Lab analysis	Annually	0.028	0.00137	mg/l mg/l	0.004	DWS	-146% 56%	Yes No
23/03/2012	BH-14	Chromium,			0.0015	0.0015	O,	N/A	DWS		
23/03/2012	BH-14		Lab analysis	Annually	0.0015	0.0015	mg/l	N/A	DWS	-20%	No
23/03/2012	BH-14	Total Coliforms,	Lab analysis	Annually	0	0	-f /100 l	N/A	DWS	1000/	Ne
23/03/2012	ВП-14	· · ·	Lab analysis	Allitually	U	U	cfus/100ml	IN/A	DWS	-100%	No
23/03/2012	BH-14	Faecal Coliforms,	Lab analysis	Appually	0	0	ofus/100ml	N/A	DWS	47000/	No
23/03/2012	рп-14	Total	Lab analysis	Annually	U	U	cfus/100ml	N/A	DWS	-4700%	No
23/03/2012	BH-14	Copper	Lab analysis	Annually	0.012	0.0105	mg/l	0.5	DWS	-5%	No
23/03/2012	BH-14	Cyanide	Lab analysis	Annually	0.01	0.01	mg/l	N/A	DWS	0%	No
23/03/2012	BH-14	Fluoride	Lab analysis	Annually	0.3	0.3	mg/l	N/A	DWS	0%	No
23/03/2012	BH-14	Lead			0.005	0.0028			DWS		
			Lab analysis	Annually			mg/l	N/A		-79%	No
23/03/2012	BH-14	List I and II	Lab analysis	Annually	0.01	0.01	mg/l	N/A	DWS	0%	No
23/03/2012	BH-14	Substances	Lab analysis	A II	1	2.5	/1	N/A	DWS	200/	N-
		Magnesium	Lab analysis	Annually	3		mg/l	N/A	_	28%	No
23/03/2012	BH-14	Mercury	Lab analysis	Annually	0.001	0.00075	mg/l	N/A	DWS	-33%	No
23/03/2012	BH-14	Orthophospha tes	Lab analysis	Annually	0.1	0.1	mg/l	N/A	DWS	-270%	No
23/03/2012	BH-14	PAHs (Total 17)	Lab analysis	Annually	0.0001	0.0001	mg/l	N/A	DWS	-200%	No
23/03/2012	BH-14	Phosphorus,	Lab analysis	Annually	0.073	0.073	mg/l	N/A	DWS	-70%	No
, , . =		Total		,				1 '			

G	Groundwater/Soil monitoring template				Lic No:	W0129-02		Year	2012			
	23/03/2012	BH-14	Total Solids	Lab analysis	Annually	187	187	mg/l	N/A	DWS	-68%	No
	23/03/2012	BH-14	Zinc	Lab analysis	Annually	0.026	0.0183	mg/l	N/A	DWS	-48%	No
								SELECT				SELECT
								SELECT				SELECT

* please note exceedance of a relevant Groundwater threshold value (GTV) at a representative monitoring point does not indicate non compliance, an exceedance triggers further investigation to confirm whether the criteria for poor groundwater chemical status are being met.

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

Methods: **Autority | **Aut

Surface regulations (private supply) Drinking water (public water EQS GTV's standards Supply) standards

Table 3: Soil results

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

Where additional detail is required please enter it here in 200 words or less	
which additional detail is required please effect it field in 200 words of less	

Environmental Liabilities template	Lic No:	W0129-02	Year	2012
------------------------------------	---------	----------	------	------

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

			Commentary
1	ELRA initial agreement status	Submitted and not agreed by EPA;	
2	ELRA review status	SELECT	Review not required
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;	
5	Financial Provision for ELRA - amount of cover	Specify	
6	Financial Provision for ELRA - type	SELECT	
7	Financial provision for ELRA expiry date	Enter expiry date	
8	Closure plan initial agreement status	sure plan submitted and not agreed by I	EPA
9	Closure plan review status	SELECT	
10	Financial Provision for Closure status	Submitted and not agreed by EPA;	
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	2012
	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	EMS is independently	certified to ISO14001:2004.		
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 Program	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	2012
1 Was noise monitoring a licence requirement for the AER period?		Yes	7	_
If yes please fill in table N1 noise summary below		res	_	
	Noise			
2 Was noise monitoring carried out using the EPA Guidance note including completion of the	<u>Guidance</u>	Yes		
"Checklist for noise measurement report" included in the guidance note as table 6?	note NG4			
3 Does your site have a noise reduction plan		No		
4 When was the noise reduction plan last updated?				
Have there been changes relevant to site noise emissions (e.g. plant or operational changes) since survey?	the last noise	No		
,			<u>-</u>	

Table N1: Noi	se monitoring su	ımmary									
Date of monitoring		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 applied?	Comments (ex. main noise sources on site, & extraneous noise ex. road traffic)	Is <u>site</u> compliant with noise limits (day/evening/night)?
19/06/2012	11:45 - 12:15		N4	54	37	48	79.5	No	SELECT	At locations N5, N6, N7	Yes
19/06/2012	14:55 - 15:25		N4	52	38	49	74.9	No		and N8 the measured	Yes
19/06/2012	17:47 - 18:17		N4	56	37	53	83.3	No		daytime levels were in the range of 57dB to 69dB LAGG	Yes
19/06/2012	11:08 - 11:38		N5	62	31	54	87.5	No		(30 Minutes). These levels	Yes
19/06/2012	14:21 - 14:51		N5	66	39	61	89.4	No		exceed the daytime noise	Yes
19/06/2012	17:12 - 17:42		N5	65	36	60	87.7	No		criterion (of 55dB LAeq (30	Yes
19/06/2012	10:32 - 11:02		N6	57	31	50	80.8	No		_{Minutes)}), however the	Yes
19/06/2012	12:55 - 13:25		N6	58	30	50	81.7	No		dominant noise sources	Yes
19/06/2012	16:38 - 17:08		N6	58	31	52	81.7	No		during the measurements	Yes
19/06/2012	09:58 - 10:28		N7	67	30	55	92.7	No		were passing traffic on the local road network and	Yes
19/06/2012	13:44 - 14:14		N7	68	36	61	91.9	Yes	Yes	intermittent aircraft noise.	Yes
19/06/2012	16:05 - 16:35		N7	69	37	63	93.4	No		At location N4 the	Yes
19/06/2012	09:24 - 09:54		N8	68	34	61	92.2	No		measured daytime level	Yes
19/06/2012	12:21 - 12:51		N8	65	33	57	88.4	No		ranged from 52-56 dB which is mainly in	Yes
19/06/2012	15:32 – 16:02		N8	68	41	62	92	No		compliance with the daytime noise criterion of 55dB _{LAeq (30 Minutes)} .	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?
predict 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	2012	

			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 in table 3 below		licensee.
	SEAI - Large		
	Is the site a member of any accredited programmes for reducing energy usage/water conservation such Industry Energy		
2	as the SEAI programme linked to the right? If yes please list them in additional information Network (LIEN)	no	
	Where Fuel Oil is used in boilers on site is the sulphur content compliant with licence conditions? Please state percentage in		
3	additional information	SELECT	NOT APPLICABLE

Table R1 Energy usag	e on site				
Energy Use	Previous year	Current year	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*	
Total Energy Used (MWHrs)	195.331	237.327		17.70%	
Total Energy Generated (MWHrs)					
Total Renewable Energy Generated (N	/WHrs)				
Electricity Consumption (MWHrs)	33.42	40.14		16.74%	
Fossil Fuels Consumption:					
Heavy Fuel Oil (m3)	15.922	19.391		17.89%	SEAI: 10.169kWh/litre of diesel
Light Fuel Oil (m3)					
Natural gas (CMN)					
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

1

Table R2 Water usage	e on site				Water Emissions	Water Consumption		
		Water extracted	compared to previous reporting	vs overall site	Volume Discharged back to	Volume used i.e not discharged to environment e.g. released as steam		
Water use	Previous year m3/yr.	Current year m3/yr.	year**	production*	environment(m³yr):	m3/yr	Unaccounted for Water:	
Groundwater								
Surface water								
Public supply	1338	1762		24.06%				
Recycled water								
Total								

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

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

Resource Usage/Energy efficiency summary	Lic No:	W0129-02	Year	2012	

Table R3 Waste Stream	Summary				
	Total	Landfill	Incineration	Recycled	Other
Hazardous (Tonnes)					
Non-Hazardous (Tonnes)	0.81				

	Table R4: Energy Au	dit finding recommenda	tions						
Dat	te of audit		Description of Measures proposed	Origin of measures	Predicted energy savings %	Implementation date	Responsibility	Completion date	Status and comments
				SELECT					
				SELECT					
				SELECT					

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

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

Complaints and Incidents summary template		Lic No:	W0129-02	Year	2012	
Complaints						<u>.</u>
		Additional inform	ation			
Have you received any environmental complaints in the current reporting year? If yes please complete summary details of complaints received on site in table 1 below	No					

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

year
Total number of incidents previous year
% reduction/increase

		Incidents												
		medents			Additional informa	ation								
Have any incidents	occurred on site in the current repo	rting year? Please list all incide	nts for current reporting		1									
,	· ·	ble 2 below												
	,		•											
*For informati	on on how to report and what													
	on on now to report and what estitutes an incident	What is an incident												
Con	istrates an incident		l											
Table 2 Incidents sur	mmary													
	1					Other	Activity in				Preventative			
			Incident category*please			cause(please	progress at time			Corrective action<20	action <20		Resolution	Liklihood 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
		Monitoring locations BH-												1
26/06/2012	Trigger level reached	4A, BH-6, BH-8 and BH-10A	1. Minor	No Uncontrolled release	Not related to site	activities	Normal activities	EPA	Recurring	Not required	Not required	Complete	26/06/2012	Medium
		Monitoring locations BH-8,												1
13/08/2012	Trigger level reached		1. Minor	No Uncontrolled release	Not related to site	activities	Normal activities	EPA	Recurring	Not required	Not required	Complete	13/08/2012	Medium
		Monitoring locations BH-8												1
01/10/2012	Trigger level reached		1. Minor	No Uncontrolled release	Not related to site	activities	Normal activities	EPA	Recurring	Not required	Not required	Complete	28/06/2012	Medium
		Monitoring locations BH-8,												
06/03/2013	Trigger level reached			No Uncontrolled release			Normal activities		Recurring	Not required	Not required		06/03/2013	
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT
Total number of														
incidents current														

WASTE SUMMARY	Lic No:	W0129-02	Year	2012
SECTION A-PRIR ON SITE WASTE TREATMENT AND WASTE TRANSFERS TAB- TO BE COMPLETED B	Y ALL IPPC AND WASTE FACILITIES	PRTR facility logon	drondown list click to see ontions	

	BY ALL IPPC AND WASTE FACILITIES

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)

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

If yes please enter details in table 1 below

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

Yes

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 tonnage limit for your site (total tonnes/annum)	European Waste Catalogue EWC codes	Source of waste accepted	Description of waste accepted Please enter an accurate and detailed description - which European Waste Catalogue EWC codes	Quantity of waste accepted in current reporting year (tonnes)	Quantity of waste accepted in previous reporting year (tonnes)	Reduction/Incr ease over previous year +/ - %	Reason for reduction/increase from previous reporting year	Packaging Content (%)- only applies if the waste has a packaging component	Disposal/Recovery or treatment operation carried out at your site and the description of this operation	Quantity of waste remaining on site at the end of reporting year (tonnes)	Comments -
	16 01 20	16- WASTES NOT OTHERWISE SPECIFIED IN THE LIST	Glass from ELV's	37.64	0	100%	Market demand	0%	D5- Specially engineered landfill	0	
	17 01 01	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Concrete	55.94	72.48	-30%	Market demand	0%	D5- Specially engineered landfill	0	
	17 03 02	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Bituminous mixture	20.96	572.50	-2631%	Market demand	0%	D5- Specially engineered landfill	0	
	17 05 04	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Soil & Stones	33,753.34	24,496.00	27%	Market demand	0%	D5- Specially engineered landfill	0	
	17 06 04	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Insulation	28.52	13.70	52%	Market demand	0%	D5- Specially engineered landfill	0	
	19 09 02	19- WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE	WTP Alum Sludge	7,370.76	1,029.66	86%	Market demand	0%	D5- Specially engineered landfill	0	
	19 12 05	19- WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE	Glass	43.12	412.10	-856%	Market demand	0%	D5- Specially engineered landfill	0	

WASTE SUMMARY					Lic No:	W0129-02		Year	2012		
	20 01 02	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Glass	253.50	0	100%	Market demand	0%	D5- Specially engineered landfill	0	
	120117	MECHANICAL SURFACE	Waste blasting material other than those mentioned in 12 01 16		738.14	#DIV/0!	Market demand	0%	D5- Specially engineered landfill	o	
			Mixture of concrete, bricks, tiles and ceramics	-	16.70	#DIV/0!	Market demand	0%	D5- Specially engineered landfill	0	
		17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Glass		26.94	#DIV/0!	Market demand	0%	D5- Specially engineered landfill	0	

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

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

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 COMPLETED BY LANDFILL SITES ONLY

Table 2 Waste type and tonnage-landfill only

Waste types permitted for disposal	Authorised/licenced annual intake for disposal (tpa)	Actual intake for disposal in reporting year (tpa)	Remaining licensed capacity at end of reporting year (m3)	Comments
Inert waste	500,000	41,565		
			4,019,867	

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?	Accented achestos in reporting	area occupied by	Lined disposal area occupied by waste	Unlined area	Comments on liner type
										SELECT UNIT	SELECT UNIT	SELECT UNIT	
						Dependent on input + planning						developed as lined cells in line with	Inert landfill liner in accordance with Landfill
W0129-02	2003	Ongoing	Yes	Private	Inert	requirements	No	No	No	30,650m ²	30,650m ²	site).	1999

ELECT	
ELECT	
ELECT	

SELECT	
SELECT	
SELECT	

WASTE SUMMARY	1				Lic No:	W0129-02	Year		2012		
Table 4 Environme	ental monitoring-landfill on	Landfill Manual-Monitoring Stan	<u>dards</u>			-	•	•			
Was meterological monitoring in compliance with LD standard in reporting year rep											
Yes	Yes	No	Yes	Yes	Yes	Yes	No	Submission of S53(A) star	tement is imminent		
.+ please refer to Landfil	l Manual linked above for relevant I	andfill Directive monitoring stand	lards								
Table 5 Capping-La	andfill only										
	Area with temporary cap SELECT UNIT	Area with final cap to LD Standard m2 ha, a	Area capped other	Area with waste that should be permanently capped to date under licence	What materials are used in the cap	Comments					

What materials are used in the cap
Subsoil and topsoil

*please note this includes daily cover area

Table 6 Leachate-Landfill only

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

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

0 3600m2

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

Not applicable

Area capped other Not applicable

Table 7 Landfill Gas-Landfill only

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



Guidance to completing the PRTR workbook

AER Returns Workbook

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

Waste or IPPC Classes of Activity

REFERENCE YEAR 2012

waste or IPPC Classes of Activity	
No.	class_name
	Specially engineered landfill, including placement into lined discrete cells which are capped and isolated from one
3.5	another and the environment.
3.1	Deposit on, in or under land (including landfill).
	Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary
3.13	storage, pending collection, on the premises where the waste concerned is produced.
4.3	Recycling or reclamation of metals and metal compounds.
4.4	Recycling or reclamation of other inorganic materials.
Address 1	Hollywood Great
	Nags Head
Address 3	
Address 4	County Dublin
	Dublin
Country	
Coordinates of Location	
River Basin District	
NACE Code	
	Remediation activities and other waste management services
AER Returns Contact Name	
AER Returns Contact Email Address	
AER Returns Contact Position	
AER Returns Contact Telephone Number	
AER Returns Contact Mobile Phone Number	
AER Returns Contact Fax Number	
Production Volume	
Production Volume Units	
Number of Installations	
Number of Operating Hours in Year	
Number of Employees	
	Licensed activity class 4.13 missing from above list.
Web Address	www.mehl.ie

2. PRTR CLASS ACTIVITIES

Activity Number	Activity Name
5(d)	Landfills
5(d)	Landfills
	General
2 COLVENTS DECLII ATIONS (S.I. No. 542 of 200	22)

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?

Do you import/accept waste onto your site for on- site treatment (either recovery or disposal	4. WASTE IMPORTED/ACCEPTED ONTO SITE	Guidance on waste imported/accepted onto site
	Do you import/accept waste onto your site for on-	
	site treatment (either recovery or disposal	
activities) ? Yes	activities) ? Yes	

Link to previous years emissions data

SECTION A: SECTOR SPECIFIC PRTR POLLUTANTS

				Please enter all quantities				
PO	LLUTANT	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

^{*} 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					
F	POLLUTANT			METHOD	QUANTITY			
		Method Used						
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					0.	0	0.0	0.0

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

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

		RELEASES TO AIR				Please enter all quantities	in this section in KO	Gs	
	POLLUTANT			ME	THOD	QUANTITY			
				Method Used					
	Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Yea	F (Fugitive) KG/Year
Ī						0.0	0	0.0	0.0

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

Additional Data Requested from Landfill operators

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

Landfill: Murphy Environmental Hollywood Limited

Euriaini.	Marphy Environmental Flory wood Emitted				_	
Please enter summary data on the quantities of methane flared and / or utilised			Meth	nod Used		
				Designation or	Facility Total Capacity m3	
	T (Total) kg/Year	M/C/E	Method Code	Description	per hour	
Total estimated methane generation (as per						
site model)	0.0				N/A	
Methane flared	0.0				0.0	(Total Flaring Capacity)
Methane utilised in engine/s	0.0				0.0	(Total Utilising Capacity)
Net methane emission (as reported in Section						
A above)	0.0				N/A	

SECTION A: SECTOR SPECIFIC PRTR POLLUTANTS

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

OLO HON A : OLO TON OF LOW TO THE NEW YORK	UTANTO	Data Oil ai	indient informationing of	Storing surface water or groundwar	iei, conducted as part of your fice	ence requirements, snould r	OT be submitted under ALIC / I	TKTK Keporting as this onl
	RELEASES TO WATERS				Please enter all quantities	in this section in KGs		
PO	LUTANT						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

Link to previous years emissions data

SECTION B: REMAINING PRTR POLLUTANTS

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

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

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

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

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

SECTION A: PRTR POLLUTANTS

J	OFFSITE TRAN	SFER OF POLLUTANTS DESTINED FOR WASTE-W	ATER TRE	EATMENT OR SEWER		Please enter all quantities in this section in KGs					
	PO	LLUTANT		METHO)D	QUANTITY					
				Met	hod Used						
l l	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		
1				•	•	0.0	0.	0.0	0.0		

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

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

OLOTION B : REMAINING OLLOTARY Emil	oloito (as required in your Election)					_				
OFFSITE TRAN	SFER OF POLLUTANTS DESTINED FOR WASTE-V	VATER TRE	EATMENT OR SEWER		Please enter all quantities in this section in KGs					
PO	LLUTANT		METHO)D	QUANTITY					
			Met	thod Used						
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year		
					0.0	0	.0	0.0		

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

4.4 RELEASES TO LAND

Link to previous years emissions data

| PRTR# : W0129 | Facility Name : Murphy Environmental Hollywood Limited | Filename : W0129-02 PRTR 2012.xls | Return Year : 2012 |

28/03/2013 15:11

SECTION A: PRTR POLLUTANTS

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

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

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

	RELEASES TO LAND				Please enter all quantities	3s	
POLLUTANT			METH	OD		QUANTITY	
			Me	ethod Used			
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year
					0.0		0.0 0.0

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

Lucyben Water Destination European Water De					Please enter	all quantities on this sheet in Tonnes		-						3
Transfer Destination					(Tonnes per				Method Used		Licence/Permit No of Next Destination Facility Non Haz Waste: Name and Licence/Permit No of	Destination Facility Non Haz Waste: Address of	Address of Final Recoverer / Disposer (HAZARDOUS WASTE	i.e. Final Recovery / Disposal Site
waste blasting material other than those Within the Country 12 01 17 No		Fransfer Destination		Hazardous		Description of Waste	Treatment	M/C/E	Method Used					
Within the Country 17 01 01 No Concrete Concrete, bricks, tiles and mixture of Concrete	ľ													
Within the Country 17 01 01 No Concrete mixture of concrete, bricks, tiles and ceramics other than those mentioned in 17 No 10 10 No 10 10 16 No 10														
Within the Country 17 01 01 No Concrete	١	Vithin the Country	12 01 17	No	0.0	mentioned in 12 01 16	D5	M	Weighed	Offsite in Ireland	MEHL,W0129-02			
Within the Country 17 01 01 No Concrete Concrete Concrete Concrete Concrete Concrete Control Concrete Control														
mixture of concrete, bricks, files and ceramics of the country of concrete, bricks, files and ceramics of the country of the c		With in the Orienter	47.04.04	NI-	55.94		Dr		Mariah ad	O#-it- i- II	MELII WOARD OO			
Head Maul, Co.	1	Vitnin the Country	17 01 01	No			D5	IVI	vveigned	Offsite in Ireland	MEHL,W0129-02			
Within the Country 17 01 07 No 0.0 01 06 D5 M Weighed Offsite in Ireland MEHL,W0129-02 Dublin,Ireland Hollywood Great,Nag's Head,Naul,Co. Within the Country 17 02 02 No 0.0 glass D5 M Weighed Offsite in Ireland MEHL,W0129-02 Dublin,Ireland Hollywood Great,Nag's Head,Naul,Co. Within the Country 17 03 02 No 0.0 glass D5 M Weighed Offsite in Ireland MEHL,W0129-02 Dublin,Ireland Hollywood Great,Nag's Head,Naul,Co. Within the Country 17 05 04 No 0.0 glass other than those mentioned in 17 03 01 D5 M Weighed Offsite in Ireland MEHL,W0129-02 Dublin,Ireland Hollywood Great,Nag's Head,Naul,Co. Within the Country 17 05 04 No 0.0 glass other than those mentioned in 17 05 03 No 0.0 glass other														
Within the Country 17 02 02 No 0.0 glass D5 M Weighed Offsite in Ireland MEHL,W0129-02 Dublin, Ireland Hollywood Great,Nag's Head,Naul,Co. Within the Country 17 03 02 No 0.1 of 17 05 03	,	Vithin the Country	17 01 07	No	0.0		D5	M	Weighed	Offsite in Ireland	MEHI W0129-02			
Within the Country 17 02 02 No 0.0 glass D5 M Weighed Offsite in Ireland MEHL,W0129-02 Dublin,Ireland Hollywood Great,Nag's Head,Naul,Co. Within the Country 17 03 02 No 33,753.4 in 17 05 04 No 0.0 in 17 05 03 No 17 05 03 No 17 05 04 No 0.0 in 17 05 03 No 17 05 04 No 0.0 in 17 05 03 D5 M Weighed Offsite in Ireland MEHL,W0129-02 Dublin,Ireland Hollywood Great,Nag's Head,Naul,Co. Within the Country 17 05 04 No 0.0 in 17 05 03 No 0.0 in 17 05 No 0.0 in 17 05 03 No 0.0 in 17 05 03 No 0.0 in 17 05 No 0.0 i		viaini the country	17 01 07	140	0.0	0.00	20		Weighted	Onoite in ireland				
Within the Country 17 03 02 No 23,753.34 Soli and stones other than those mentioned in 17 03 01 and 17 05 03 No 28.52 Insulation materials other than those mentioned in 17 06 03 No 28.52 Within the Country 17 06 04 No 28.52 Within the Country 18 09 02 No 28.52 Within the Country 19 09 02 No 28.52 Within th														
Within the Country 17 03 02 No 33,753.4 within the Country 17 05 04 No 33,753.4 within the Country 17 05 04 No 0. in 17 05 03 R5 M Weighed Offsite in Ireland MEHL,W0129-02 Dublin, Ireland Hollywood Great,Nag's Head,Naul,Co. Within the Country 17 05 04 No 0. in 17 05 03 R5 M Weighed Offsite in Ireland MEHL,W0129-02 Dublin, Ireland Hollywood Great,Nag's Head,Naul,Co. Within the Country 17 06 04 No 28.52 insulation materials other than those mentioned in 17 06 01 and 17 06 03 D5 M Weighed Offsite in Ireland MEHL,W0129-02 Dublin, Ireland Hollywood Great,Nag's Head,Naul,Co. Within the Country 17 06 04 No 7,370.76 weighed Offsite in Ireland MEHL,W0129-02 Dublin, Ireland Hollywood Great,Nag's Head,Naul,Co. Within the Country 19 09 02 No 43.12 glass D5 M Weighed Offsite in Ireland MEHL,W0129-02 Dublin, Ireland Hollywood Great,Nag's Head,Naul,Co. Within the Country 19 10 05 No 43.12 glass D5 M Weighed Offsite in Ireland MEHL,W0129-02 Dublin, Ireland Hollywood Great,Nag's Head,Naul,Co. Within the Country 19 10 05 No 43.12 glass D5 M Weighed Offsite in Ireland MEHL,W0129-02 Dublin, Ireland Hollywood Great,Nag's Head,Naul,Co. Within the Country 16 01 20 No 45.35.60 Weighed Offsite in Ireland MEHL,W0129-02 Dublin, Ireland Hollywood Great,Nag's Head,Naul,Co. Within the Country 16 01 20 No 45.35.60 Weighed Offsite in Ireland MEHL,W0129-02 Dublin, Ireland Hollywood Great,Nag's Head,Naul,Co. Within the Country 16 01 20 No 45.35.60 Weighed Offsite in Ireland MEHL,W0129-02 Dublin, Ireland Hollywood Great,Nag's Head,Naul,Co. Within the Country 16 01 20 No 45.35.60 Weighed Offsite in Ireland MEHL,W0129-02 Dublin, Ireland Hollywood Great,Nag's Head,Naul,Co.	١	Vithin the Country	17 02 02	No	0.0	glass	D5	M	Weighed	Offsite in Ireland	MEHL,W0129-02			
Within the Country 17 03 02 No 33,753.4 soil and stones other than those mentioned in 17 03 01 no 17 05 03 no 17 05 04 no 17 05 03 no 17 05 04 no 17 05 03 no 17 05 no 17 0														
Within the Country 17 05 04 No Soil and stones other than those mentioned in 17 05 03 P5 M Weighed Offsite in Ireland MEHL,W0129-02 Dublin,Ireland Hollywood Great,Nag's Head,Nau,Co. Within the Country 17 05 04 No O, in 17 05 03 R5 M Weighed Offsite in Ireland MEHL,W0129-02 Dublin,Ireland Hollywood Great,Nag's Head,Nau,Co. Within the Country 17 06 04 No O, in 17 05 03 P5 M Weighed Offsite in Ireland MEHL,W0129-02 Dublin,Ireland Hollywood Great,Nag's Head,Nau,Co. Within the Country 19 09 02 No Sudges from water clarification D5 M Weighed Offsite in Ireland MEHL,W0129-02 Dublin,Ireland Hollywood Great,Nag's Head,Nau,Co. Within the Country 19 12 05 No Old Sudges from water clarification D5 M Weighed Offsite in Ireland MEHL,W0129-02 Dublin,Ireland Hollywood Great,Nag's Head,Nau,Co. Within the Country 16 01 20 No Old Sudges from water clarification D5 M Weighed Offsite in Ireland MEHL,W0129-02 Dublin,Ireland Hollywood Great,Nag's Head,Nau,Co. Within the Country 16 01 20 No Old Sudges from water clarification D5 M Weighed Offsite in Ireland MEHL,W0129-02 Dublin,Ireland Hollywood Great,Nag's Head,Nau,Co. Within the Country 16 01 20 No Old Sudges from water clarification D5 M Weighed Offsite in Ireland MEHL,W0129-02 Dublin,Ireland Hollywood Great,Nag's Head,Nau,Co. Within the Country 16 01 20 No Old Sudges from water clarification D5 M Weighed Offsite in Ireland MEHL,W0129-02 Dublin,Ireland Hollywood Great,Nag's Head,Nau,Co.					20.96									
Within the Country 17 05 04 No 233,753.34 soli and stones other than those mentioned in 17 05 03 D5 M Weighed Offsite in Ireland MEHL,W0129-02 Dublin,Ireland Head,Naul,Co. Within the Country 17 05 04 No 28.52 insulation materials other than those mentioned in 17 06 01 and 17 06 03 D5 M Weighed Offsite in Ireland MEHL,W0129-02 Dublin,Ireland Head,Naul,Co. Within the Country 19 09 02 No 43.12 plass D5 M Weighed Offsite in Ireland MEHL,W0129-02 Dublin,Ireland Hollywood Great,Nag's Head,Naul,Co. Within the Country 19 12 05 No 29lass D5 M Weighed Offsite in Ireland MEHL,W0129-02 Dublin,Ireland Hollywood Great,Nag's Head,Naul,Co. Within the Country 19 12 05 No 29lass D5 M Weighed Offsite in Ireland MEHL,W0129-02 Dublin,Ireland Hell,W0129-02 Dublin,Ireland MEHL,W0129-02 Dublin,Ireland Hell,W0129-02 Dublin,Ireland Hell,W	١	Vithin the Country	17 03 02	No		those mentioned in 17 03 01	D5	M	Weighed	Offsite in Ireland	MEHL,W0129-02			
Within the Country 17 05 04 No in 17 05 03 D5 M Weighed Offsite in Ireland Hell,W0129-02 Dublin,Ireland Hollywood Great,Nag's Head,Naul,Co. Within the Country 17 05 04 No 0.0 in 17 05 03 R5 M Weighed Offsite in Ireland MEHL,W0129-02 Dublin,Ireland Hollywood Great,Nag's Head,Naul,Co. Within the Country 17 06 04 No 0.0 in 17 06 01 and 17 06 03 D5 M Weighed Offsite in Ireland MEHL,W0129-02 Dublin,Ireland Hollywood Great,Nag's Head,Naul,Co. Within the Country 19 09 02 No 19 12 05 No														
Within the Country 17 05 04 No 0.0 in 17 05 03 R5 M Weighed Offsite in Ireland MEHL,W0129-02 Dublin,Ireland Hollywood Great,Nag's Head,Naul,Co. Within the Country 17 06 04 No 28.52 insulation materials other than those mentioned in 17 06 01 and 17 06 03 D5 M Weighed Offsite in Ireland MEHL,W0129-02 Dublin,Ireland Hollywood Great,Nag's Head,Naul,Co. Within the Country 19 09 02 No 43.12 glass D5 M Weighed Offsite in Ireland MEHL,W0129-02 Dublin,Ireland Hollywood Great,Nag's Head,Naul,Co. Within the Country 19 12 05 No 37.64 glass D5 M Weighed Offsite in Ireland MEHL,W0129-02 Dublin,Ireland Hollywood Great,Nag's Head,Naul,Co. Within the Country 16 01 20 No 37.64 glass D5 M Weighed Offsite in Ireland MEHL,W0129-02 Dublin,Ireland Hollywood Great,Nag's Head,Naul,Co. Weighed Offsite in Ireland MEHL,W0129-02 Dublin,Ireland Hollywood Great,Nag's Head,Naul,Co. Weighed Offsite in Ireland MEHL,W0129-02 Dublin,Ireland Hollywood Great,Nag's Head,Naul,Co. Within the Country 16 01 20 No 43.12 glass D5 M Weighed Offsite in Ireland MEHL,W0129-02 Dublin,Ireland Hollywood Great,Nag's Head,Naul,Co.		W:11: 11 O .	17.05.04				D.5			0" "	MELI WOLCO OO			
Soil and stones other than those mentioned Within the Country 17 05 04 No 28.52 insulation materials other than those mentioned in 17 06 01 and 17 06 03 D5 M Weighed Offsite in Ireland MEHL,W0129-02 Dublin,Ireland Hollywood Great,Nag's Head,Naul,Co. Within the Country 17 06 04 No Within the Country 19 09 02 No Within the Country 19 12 05 No Within the Country 19 12 05 No Within the Country 18 01 20 No Signature of the country 18 01 20 No Within the Country 18 01 20 No Signature of the country	'	Vitnin the Country	17 05 04	No		In 17 05 03	D5	IVI	vveigned	Offsite in Ireland	MEHL,W0129-02			
Within the Country 17 05 04 No 0.0 in 17 05 03 R5 M Weighed Offsite in Ireland MEHL, W0129-02 Dublin, Ireland Hollywood Great, Nag's Head, Naul, Co. Within the Country 19 09 02 No Within the Country 19 12 05 No Within the Country 16 01 20 No Within the Country 16 01 20 No 253.50						sail and stones other than these mentioned								
Within the Country 17 06 04 No Within the Country 19 09 02 No Within the Country 19 12 05 No Within the Country 16 01 20 No 28.52 insulation materials other than those mentioned in 17 06 01 and 17 06 03 D5 M Weighed Offsite in Ireland MEHL,W0129-02 Dublin,Ireland Hollywood Great,Nag's Head,Naul,Co. Weighed Offsite in Ireland MEHL,W0129-02 Dublin,Ireland Hollywood Great,Nag's Head,Naul,Co. Weighed Offsite in Ireland MEHL,W0129-02 Dublin,Ireland Hollywood Great,Nag's Head,Naul,Co. Weighed Offsite in Ireland MEHL,W0129-02 Dublin,Ireland Hollywood Great,Nag's Head,Naul,Co. Within the Country 16 01 20 No 37.64 Within the Country 16 01 20 No 253.50 Weighed Offsite in Ireland MEHL,W0129-02 Dublin,Ireland Hollywood Great,Nag's Head,Naul,Co. Weighed Offsite in Ireland MEHL,W0129-02 Dublin,Ireland Hollywood Great,Nag's Head,Naul,Co. Hollywood Great,Nag's Head,Naul,Co. Dublin,Ireland MEHL,W0129-02 Dublin,Ireland MEHL,W0129-02 Dublin,Ireland Hollywood Great,Nag's Head,Naul,Co.	,	Vithin the Country	17 05 04	No	0.0		R5	M	Weighed	Offsite in Ireland	MEHI W0129-02			
Within the Country 17 06 04 No Figure 17 06 04 No Figure 18 September 19 09 02 No Figure		viaini the country	17 00 04	110	0.0	1	110		Weighted	Onoite in ireland	WE11E, *** 0120 02			
Within the Country 19 09 02 No Figure 19 09 02 No F					28.52	insulation materials other than those								
Within the Country 19 09 02 No Sludges from water clarification D5 M Weighed Offsite in Ireland MEHL,W0129-02 Dublin,Ireland Hollywood Great,Nag's Head,Naul,Co. Within the Country 19 12 05 No Sludges from water clarification D5 M Weighed Offsite in Ireland MEHL,W0129-02 Dublin,Ireland Hollywood Great,Nag's Head,Naul,Co. Within the Country 16 01 20 No Sludges from water clarification D5 M Weighed Offsite in Ireland MEHL,W0129-02 Dublin,Ireland Hollywood Great,Nag's Head,Naul,Co. Weighed Offsite in Ireland MEHL,W0129-02 Dublin,Ireland Hollywood Great,Nag's Head,Naul,Co. Weighed Offsite in Ireland MEHL,W0129-02 Dublin,Ireland Hollywood Great,Nag's Head,Naul,Co.	١	Vithin the Country	17 06 04	No		mentioned in 17 06 01 and 17 06 03	D5	M	Weighed	Offsite in Ireland	MEHL,W0129-02	Dublin,Ireland		
Within the Country 19 09 02 No sludges from water clarification D5 M Weighed Offsite in Ireland MEHL,W0129-02 Dublin,Ireland Hollywood Great,Nag's Head,Naul,Co. Within the Country 19 12 05 No glass D5 M Weighed Offsite in Ireland MEHL,W0129-02 Dublin,Ireland Hollywood Great,Nag's Head,Naul,Co. Within the Country 16 01 20 No glass D5 M Weighed Offsite in Ireland MEHL,W0129-02 Dublin,Ireland Hollywood Great,Nag's Head,Naul,Co. Weighed Offsite in Ireland MEHL,W0129-02 Dublin,Ireland Hollywood Great,Nag's Head,Naul,Co.		•							_					
Within the Country 19 12 05 No Within the Country 16 01 20 No Within the Country 16 01 20 No 253.50 Within the Country 16 01 20 No Within the Country 16 01 20 No 253.50 Within the Country 16 01 20 No Within the Country 16 01 20 No 253.50 Within the Country 16 01 20 No Weighed Offsite in Ireland MEHL,W0129-02 Dublin,Ireland Hollywood Great,Nag's Head,Naul,Co. Hollywood Great,Nag's Head,Naul,Co. Dublin,Ireland Hollywood Great,Nag's Head,Naul,Co. Hollywood Great,Nag's Head,Naul,Co. Hollywood Great,Nag's Head,Naul,Co.														
Within the Country 19 12 05 No glass D5 M Weighed Offsite in Ireland MEHL,W0129-02 Dublin,Ireland Hollywood Great,Nag's Head,Naul,Co. Within the Country 16 01 20 No glass D5 M Weighed Offsite in Ireland MEHL,W0129-02 Dublin,Ireland Head,Naul,Co. Weighed Offsite in Ireland MEHL,W0129-02 Dublin,Ireland Head,Naul,Co. See Support Country 16 01 20 No Head,Naul,Co. Weighed Offsite in Ireland MEHL,W0129-02 Dublin,Ireland Hollywood Great,Nag's Head,Naul,Co.	١	Vithin the Country	19 09 02	No		sludges from water clarification	D5	M	Weighed	Offsite in Ireland	MEHL,W0129-02			
Within the Country 19 12 05 No glass D5 M Weighed Offsite in Ireland MEHL,W0129-02 Dublin,Ireland Hollywood Great,Nag's Head,Naul,Co. Within the Country 16 01 20 No glass D5 M Weighed Offsite in Ireland MEHL,W0129-02 Dublin,Ireland Head,Naul,Co. ### Display of Great,Nag's Head,Naul,Co. ### Display of Great,Nag's Head,Naul,Co.														
Within the Country 16 01 20 No 253.50 Within the Country 16 01 20 Space of the country 16 01 2		W:11: 11 O .	10.10.05		43.12		D.5			0" "	MELII WOARD OO			
Within the Country 16 01 20 No glass D5 M Weighed Offsite in Ireland MEHL,W0129-02 Dublin,Ireland Head,Naul,Co. Hollywood Great,Nag's Head,Naul,Co.	1	Vitnin the Country	19 12 05	No		giass	D5	IVI	vveigned	Offsite in Ireland	MEHL, W0129-02			
Within the Country 16 01 20 No glass D5 M Weighed Offsite in Ireland MEHL,W0129-02 Dublin,Ireland Hollywood Great,Nag's Head,Naul,Co.					37.64									
Hollywood Great,Nag's 253.50 Head,Naul,Co.	١	Vithin the Country	16 01 20	No	57.04	glass	D5	М	Weighed	Offsite in Ireland	MEHL.W0129-02			
253.50 Head,Naul,Co.						5.5-5-				z z n olana				
Within the Country 20 01 02 No glass D5 M Weighed Offsite in Ireland MEHL,W0129-02 Dublin,Ireland					253.50							Head, Naul, Co.		
	١	Vithin the Country	20 01 02	No		glass	D5	M	Weighed	Offsite in Ireland	MEHL,W0129-02	Dublin, Ireland		

No glass

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