

Facility Information Summary	
AER Reporting Year	2017
Licence Register Number	W0129-02
Name of site	IMSL Hollywood
Site Location	Hollywood Great, Nag's Head, Naul, Co. Dublin
NACE Code	3821
Class/Classes of Activity	As W0129-02: Disposal Classes 1, 5, 13; Recovery Classes 3, 4, 13
National Grid Reference (6E, 6 N)	E315723 N258073
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.	<p>The principal activity carried out on site is the deposition of inert waste into engineered 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.</p> <p>The licence was transferred to IMSL in June 2017. There has been a 65% decrease in waste acceptance from 2016 to 2017 due to market demand and changes in business ownership.</p> <p>In relation to environmental monitoring during the reporting year, there were a number of minor breaches of trigger levels, however these were not reported to the agency as incidents as they were not thought to be as a result of site activities.</p> <p>There was one moderate incident reported to the Agency in 2017 as detailed in the Complaints-Incidents tab relating to the acceptance of non-hazardous and hazardous material into the site.</p> <p>The site maintains an environmental management system. No significant infrastructure/development works were undertaken during the reporting year.</p>

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.

<i>Kerstie Flanagan</i>	
Signature	29.03.18
Environmental Consultant	
(or nominated, suitably qualified and experienced deputy)	

SELECT

cells that are highlighted blue contain a dropdown menu click to select one option from the list

[guidance document link](#)

cells that contain underlined text click to access relevant guidance documents for this section

Table heading *

table headings followed by a symbol have an associated footnote or instructions

Cells with red indicator in top right corner

cells that have a red indicator in the top right corner contain a comment box with further instructions or clarification

Please note an interpretation of results is still required. This should be entered in the additional information/comments boxes within the templates. Please size these boxes appropriately to fit your interpretation, if additional space is required please include an appendix to the AER template and merge it as part of the AER PDF document. The excel template should have all cells sized appropriately so that all text is readable before it is converted to PDF document.

AIR-summary template Lic No: W0129-02 Year 2017

Answer all questions and complete all tables where relevant

Additional information

1 Does your site have licensed air emissions? If yes please complete table A1 and A2 below for the current reporting year and answer further questions. If **you do not have** licenced emissions and **do not complete a solvent management plan** (table A4 and A5) you do not need to complete the tables

No	Ambient dust monitoring was conducted at 4 monitoring locations twice during the reporting year - there were no breaches of the dust deposition ELV.
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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	
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3 Was all monitoring carried out in accordance with EPA guidance note AG2 and using the basic air monitoring checklist? [Basic air monitoring checklist](#) [AGN2](#)

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

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

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

Continuous Monitoring

4 Does your site carry out continuous air emissions monitoring?
If yes please review your continuous monitoring data and report the required fields below in Table A2 and compare it to its relevant Emission Limit Value (ELV)

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

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

SELECT	
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7

Did your site experience any abatement system bypasses? If yes please detail them in table A3 below

SELECT

Table A2: Summary of average emissions -continuous monitoring

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

Solvent use and management on site

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

SELECT

Table A4: Solvent Management Plan Summary		Solvent regulations		Please refer to linked solvent regulations to complete table 5 and 6	
Total VOC Emission limit value					

Reporting year	Total solvent input on site (kg)	Total VOC emissions to Air from entire site (direct and fugitive)	Total VOC emissions as %of solvent input	Total Emission Limit Value (ELV) in licence or any revision thereof	Compliance
					SELECT
					SELECT

Table A5: Solvent Mass Balance summary								
	(I) Inputs (kg)	(O) Outputs (kg)						
Solvent	(I) Inputs (kg)	Organic solvent emission in waste	Solvents lost in water (kg)	Collected waste solvent (kg)	Fugitive Organic Solvent (kg)	Solvent released in other ways e.g. by-	Solvents destroyed onsite through	Total emission of Solvent to air (kg)
							Total	

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

Lic No:

W0129-02

Year

2017

Additional information

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

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.

Yes

2 Was it a requirement of your licence to carry out visual inspections on any surface water discharges or watercourses on or near your site? If yes please complete table W2 below summarising **only** any evidence of contamination noted during visual inspections

Yes

Table W1 Storm water monitoring

Location reference	Location relative to site activities	PRTR Parameter	Licenced Parameter	Monitoring date	ELV or trigger level in licence or any revision thereof*	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Comments
SW-1	upstream		Ammoniacal Nitrogen		N/A	N/A	0.12	mg/l NH4-N	yes	One exceedance of Total Suspended Solids noted in SW-1 during the reporting year.
SW-1	upstream		Calcium		N/A	N/A	122.60	mg/l	yes	
SW-1	upstream		Chemical Oxygen Demand		N/A	N/A	19.5	mg/l	yes	
SW-1	upstream		Chloride		N/A	N/A	37.5	mg/l	yes	
SW-1	upstream		Conductivity		N/A	N/A	0.6	mS/cm	yes	
SW-1	upstream		Dissolved Oxygen		N/A	N/A	9.0	mg/l	yes	
SW-1	upstream		Magnesium		N/A	N/A	14.1	mg/l	yes	
SW-1	upstream		Manganese		N/A	N/A	0.00	mg/l	yes	
SW-1	upstream		Orthophosphate		N/A	N/A	0.26	mg/l	yes	
SW-2	upstream		Phosphorus		N/A	N/A	0.08	mg/l	yes	
SW-1	upstream		pH		N/A	N/A	8.31	pH	yes	
SW-1	upstream		Sodium		N/A	N/A	23.10	mg/l	yes	
SW-1	upstream		Sulphate		N/A	N/A	118.10	mg/l	yes	
SW-1	upstream		Temperature		N/A	N/A	11.05	°C	yes	
SW-1	upstream		Total Alkalinity		N/A	N/A	268.00	mg/l	yes	
SW-1	upstream		Total Suspended Solids		N/A	N/A	86.50	mg/l	yes	
SW-2	downstream		Ammoniacal Nitrogen		N/A	N/A	0.05	mg/l NH4-N	yes	Two exceedances of Total Suspended Solids were noted in SW-2 during the reporting year.
SW-2	downstream		Calcium		N/A	N/A	148.50	mg/l	yes	
SW-2	downstream		Chemical Oxygen Demand		N/A	N/A	22.50	mg/l	yes	
SW-2	downstream		Chloride		N/A	N/A	33.95	mg/l	yes	
SW-2	downstream		Conductivity		N/A	N/A	0.67	mS/cm	yes	
SW-2	downstream		Dissolved Oxygen		N/A	N/A	9.50	mg/l	yes	
SW-2	downstream		Magnesium		N/A	N/A	10.90	mg/l	yes	
SW-2	downstream		Manganese		N/A	N/A	0.02	mg/l	yes	
SW-2	downstream		Orthophosphate/		N/A	N/A	0.32	mg/l	yes	
SW-3	downstream		Phosphorus		N/A	N/A	3.81	mg/l	yes	
SW-2	downstream		pH		N/A	N/A	8.61	pH	yes	
SW-2	downstream		Sodium		N/A	N/A	16.70	mg/l	yes	
SW-2	downstream		Sulphate		N/A	N/A	179.00	mg/l	yes	
SW-2	downstream		Temperature		N/A	N/A	11.05	°C	yes	
SW-2	downstream		Total Alkalinity		N/A	N/A	290.00	mg/l	yes	
SW-2	downstream		Total Suspended Solids		N/A	N/A	785.50	mg/l	yes	

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)						Lic No:	W0129-02	Year	2017
						SELECT			

*Measures taken or proposed to reduce or limit bypass frequency

Bund testing

dropdown menu click to see options

Additional information

Are you required by your licence to undertake integrity testing on bunds and containment structures? If yes please fill out table B1 below listing all **new bunds and containment structures** on site, in addition to **all bunds which failed** the integrity test-**all bunding structures which failed including mobile bunds must be listed in the table below, please include all bunds outside the licenced testing period** (mobile bunds and chemstore included)

Yes	Bund testing is stipulated in W0129-02; however fuel is no longer stored in the diesel tanks in the bundled 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.
SELECT	
SELECT	
SELECT	
SELECT	
SELECT	
SELECT	
SELECT	
SELECT	
SELECT	

- 1
- 2 Please provide integrity testing frequency period
Does the site maintain a register of bunds, underground pipelines (including storm water and foul), Tanks, sumps and containers? (containers refers to
- 3 "Chemstore" type units and mobile bunds)
- 4 How many bunds are on site?
- 5 How many of these bunds have been tested within the required test schedule?
- 6 How many mobile bunds are on site?
- 7 Are the mobile bunds included in the bund test schedule?
- 8 How many of these mobile bunds have been tested within the required test schedule?
- 9 How many sumps on site are included in the integrity test schedule?
- 10 How many of these sumps are integrity tested within the test schedule?
- Please list any sump integrity failures in table B1**
- 11 Do all sumps and chambers have high level liquid alarms?
- 12 If yes to Q11 are these failsafe systems included in a maintenance and testing programme?
- 13 Is the Fire Water Retention Pond included in your integrity test programme?

Table B1: Summary details of bund /containment structure integrity test

Bund/Containment structure ID	Type	Specify Other type	Product containment	Actual capacity	Capacity required*	Type of integrity test	Other test type	Test date	Integrity reports maintained on site?	Results of test	Integrity test failure explanation <50 words	Corrective action taken	Scheduled date for retest	Results of retest (if in current reporting year)
	SELECT					SELECT			SELECT	SELECT		SELECT		
	SELECT					SELECT			SELECT	SELECT		SELECT		

* Capacity required should comply with 25% or 100% containment rule as detailed in your licence

Has integrity testing been carried out in accordance with licence requirements and are all structures tested in

15 line with BS8007/EPA Guidance?

16 Are channels/transfer systems to remote containment systems tested?

17 Are channels/transfer systems compliant in both integrity and available volume?

[bundling and storage guidelines](#)

Commentary

SELECT	
SELECT	
SELECT	

Pipeline/underground structure testing

Are you required by your licence to undertake integrity testing* on underground structures e.g. pipelines or sumps etc. ? If yes please fill out table 2 below listing

1 all underground structures and pipelines on site **which failed the integrity test and all which have not been tested within the integrity test period as specified**

2 Please provide integrity testing frequency period

*please note integrity testing means water tightness testing of all underground pipelines (as required under your licence)

SELECT	
SELECT	

Table B2: Summary details of pipeline/underground structures integrity test

Structure ID	Type system	Material of construction:	Does this structure have Secondary containment?	Type of secondary containment	Type integrity testing	Integrity reports maintained on site?	Results of test	Integrity test failure explanation <50 words	Corrective action taken	Scheduled date for retest	Results of retest (if in current reporting year)
	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT				SELECT

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

Groundwater/Soil monitoring template	Lic No: W0129-02	Year: 2017
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		Comments
1	Are you required to carry out groundwater monitoring as part of your licence requirements?	yes
2	Are you required to carry out soil monitoring as part of your licence requirements?	no
3	Do you extract groundwater for use on site? If yes please specify use in comment section	no
4	Do monitoring results show that groundwater generic assessment criteria such as GTVs or IGVs are exceeded or is there an upward trend in results for a substance? If yes, please complete the Groundwater Monitoring Guideline Template Report (link in cell G8) and submit separately through ALDER as a licensee return AND answer questions 5-12 below. Groundwater monitoring template.	no
5	Is the contamination related to operations at the facility (either current and/or historic)	N/A
6	Have actions been taken to address contamination issues? If yes please summarise remediation strategies proposed/undertaken for the site	N/A
7	Please specify the proposed time frame for the remediation strategy	N/A
8	Is there a licence condition to carry out/update ELRA for the site?	N/A
9	Has any type of risk assessment been carried out for the site?	N/A
10	Has a Conceptual Site Model been developed for the site?	N/A
11	Have potential receptors been identified on and off site?	N/A
12	Is there evidence that contamination is migrating offsite?	N/A

Please provide an interpretation of groundwater monitoring data in the interpretation box below or if you require additional space please include a groundwater/contaminated land monitoring results interpretation as an additional section in this AER

Groundwater is monitored on a quarterly basis and a quarterly report submitted to the Agency. Results were generally in conformance with relevant limit values and the EPA trigger levels set for the site. There were a number of breaches of trigger levels/ELVs reported to the Agency as minor incidents during the reporting year (detailed in 'Incidents' tab). Exceedances relative to trigger levels/ELVs are thought to be largely related to external sources, and not as a result of the operation of the subject facility

Table 1: Up gradient Groundwater monitoring results

Date of sampling	Sample location reference	Parameter/Substance	Methodology	Monitoring frequency	Maximum Concentration++	Average Concentration+	unit	GTV's*	SELECT**	Upward trend in pollutant concentration over last 5 years of monitoring data
16/03/17 20/06/17 05/09/17 30/11/17	BH-5	Ammoniacal Nitrogen	Lab analysis	Quarterly	0.1	0.1	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-5	Arsenic	Lab analysis	Quarterly	0.0025	0.0025	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-5	Barium	Lab analysis	Quarterly	0.007	0.007	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-5	Calcium	Lab analysis	Quarterly	81	81	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-5	Chloride	Lab analysis	Quarterly	21.5	21.5	mg/l	EPA Trigger Levels for W0129-02	75	No

Groundwater/Soil monitoring template				Lic No:	W0129-02	Year	2017			
16/03/17 20/06/17 05/09/17 30/11/17	BH-5	Colour	Field analysis	Quarterly	Clear	Clear	N/A	EPA Trigger Levels for W0129-02	N/A	N/A
16/03/17 20/06/17 05/09/17 30/11/17	BH-5	Conductivity	Field analysis	Quarterly	0.56	0.56	mS/cm	EPA Trigger Levels for W0129-02	1	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-5	Cyanide	Lab analysis	Quarterly	0.01	0.01	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-5	Dissolved Oxygen	Lab analysis	Quarterly	6	6	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-5	Iron	Field analysis	Quarterly	0.02	0.02	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-5	Manganese	Field analysis	Quarterly	0.22	0.22	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-5	Odour	Field analysis	Quarterly	#VALUE!	0	N/A	EPA Trigger Levels for W0129-02	N/A	N/A
16/03/17 20/06/17 05/09/17 30/11/17	BH-5	pH	Lab analysis	Quarterly	7.1	7.1	pH	EPA Trigger Levels for W0129-02	6<pH<9	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-5	Phenols, Total	Lab analysis	Quarterly	0.1	0.1	mg/l	EPA Trigger Levels for W0129-02	0.1	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-5	Potassium	Lab analysis	Quarterly	1.3	1.3	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-5	Sodium	Lab analysis	Quarterly	24.5	24.5	mg/l	EPA Trigger Levels for W0129-02	80	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-5	Sulphate	Field analysis	Quarterly	46.1	46.1	mg/l	EPA Trigger Levels for W0129-02	150	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-5	Temperature	Lab analysis	Quarterly	10.4	10.4	oC	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-5	Total Organic Carbon	Lab analysis	Quarterly	2	2	mg/l	EPA Trigger Levels for W0129-02	50	No
16/03/17	BH-5	Total Oxidized Nitrogen	Lab analysis	Annually	0.2	0.2	mg/l	EPA Trigger Levels for W0129-02	N/A	No

Groundwater/Soil monitoring template				Lic No:	W0129-02	Year	2017			
16/03/17	BH-5	Boron	Lab analysis	Annually	0.012	0.012	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-5	Cadmium	Lab analysis	Annually	0.0005	0.0005	mg/l	EPA Trigger Levels for W0129-02	0.004	No
16/03/17	BH-5	Chromium, Total	Lab analysis	Annually	0.0015	0.0015	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-5	Coliforms, Faecal	Lab analysis	Annually	0	0	cfus/100ml	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-5	Coliforms, Total	Lab analysis	Annually	0	0	cfus/100ml	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-5	Copper	Lab analysis	Annually	0.007	0.007	mg/l	EPA Trigger Levels for W0129-02	0.5	No
16/03/17	BH-5	Fluoride	Lab analysis	Annually	0.3	0.3	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-5	Lead	Lab analysis	Annually	0.005	0.005	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-5	List I and II Substances	Lab analysis	Annually	0.00001	0.00001	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-5	Magnesium	Lab analysis	Annually	6.8	6.8	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-5	Mercury	Lab analysis	Annually	0.001	0.001	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-5	Orthophosphates	Lab analysis	Annually	0.03	0.03	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-5	PAHs (Total 17)	Lab analysis	Annually	0.000295	0.000295	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-5	Phosphorus, Total	Lab analysis	Annually	1.724	1.724	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-5	Total Solids	Lab analysis	Annually	384	384	mg/l	EPA Trigger Levels for W0129-02	N/A	No

Groundwater/Soil monitoring template				Lic No:	W0129-02	Year	2017			
16/03/17	BH-5	Zinc	Lab analysis	Annually	0.143	0.143	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-8A	Ammoniacal Nitrogen	Lab analysis	Quarterly	0.05	0.035	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-8A	Arsenic	Lab analysis	Quarterly	0.0039	0.00285	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-8A	Barium	Lab analysis	Quarterly	0.012	0.00925	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-8A	Calcium	Lab analysis	Quarterly	108.7	106.875	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-8A	Chloride	Lab analysis	Quarterly	35.8	32.4	mg/l	EPA Trigger Levels for W0129-02	75	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-8A	Colour	Field analysis	Quarterly	Clear	Clear	N/A	EPA Trigger Levels for W0129-02	N/A	N/A
16/03/17 20/06/17 05/09/17 30/11/17	BH-8A	Conductivity	Field analysis	Quarterly	0.64	0.56125	mS/cm	EPA Trigger Levels for W0129-02	1	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-8A	Cyanide	Lab analysis	Quarterly	0.01	0.01	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-8A	Dissolved Oxygen	Lab analysis	Quarterly	8	6.75	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-8A	Iron	Field analysis	Quarterly	0.02	0.02	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-8A	Level, Water	Lab analysis	Quarterly	106.02	104.5475	mOD	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-8A	Manganese	Field analysis	Quarterly	0.002	0.002	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-8A	Odour	Field analysis	Quarterly	None	None	N/A	EPA Trigger Levels for W0129-02	N/A	N/A
16/03/17 20/06/17 05/09/17 30/11/17	BH-8A	pH	Lab analysis	Quarterly	7.9	7.55	pH	EPA Trigger Levels for W0129-02	6<pH<9	No

Groundwater/Soil monitoring template				Lic No:	W0129-02	Year	2017			
16/03/17 20/06/17 05/09/17 30/11/17	BH-8A	Phenols, Total	Lab analysis	Quarterly	0.1	0.1	mg/l	EPA Trigger Levels for W0129-02	0.1	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-8A	Potassium	Lab analysis	Quarterly	2.3	2.175	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-8A	Sodium	Lab analysis	Quarterly	12.6	11.725	mg/l	EPA Trigger Levels for W0129-02	80	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-8A	Sulphate	Field analysis	Quarterly	17.6	16.725	mg/l	EPA Trigger Levels for W0129-02	150	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-8A	Temperature	Lab analysis	Quarterly	13.8	12.15	oC	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-8A	Total Organic Carbon	Lab analysis	Quarterly	2	2	mg/l	EPA Trigger Levels for W0129-02	50	No
16/03/17	BH-8A	Total Oxidized Nitrogen	Lab analysis	Annually	12.1	9.85	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-8A	Boron	Lab analysis	Annually	0.012	0.012	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-8A	Cadmium	Lab analysis	Annually	0.0005	0.0005	mg/l	EPA Trigger Levels for W0129-02	0.004	No
16/03/17	BH-8A	Chromium, Total	Lab analysis	Annually	0.0015	0.0015	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-8A	Coliforms, Faecal	Lab analysis	Annually	0	0	cfus/100ml	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-8A	Coliforms, Total	Lab analysis	Annually	0	0	cfus/100ml	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-8A	Copper	Lab analysis	Annually	0.007	0.007	mg/l	EPA Trigger Levels for W0129-02	0.5	No
16/03/17	BH-8A	Fluoride	Lab analysis	Annually	0.3	0.3	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-8A	Lead	Lab analysis	Annually	0.005	0.005	mg/l	EPA Trigger Levels for W0129-02	N/A	No

Groundwater/Soil monitoring template				Lic No:	W0129-02	Year	2017			
16/03/17	BH-8A	List I and II Substances	Lab analysis	Annually	0.01	0.01	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-8A	Magnesium	Lab analysis	Annually	4.2	4.2	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-8A	Mercury	Lab analysis	Annually	0.001	0.001	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-8A	Orthophosphates	Lab analysis	Annually	0.04	0.04	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-8A	PAHs (Total 17)	Lab analysis	Annually	0.000295	0.000295	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-8A	Phosphorus, Total	Lab analysis	Annually	10.28	10.28	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-8A	Total Solids	Lab analysis	Annually	3716	3716	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-8A	Zinc	Lab analysis	Annually	0.003	0.003	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-9	Ammoniacal Nitrogen	Lab analysis	Quarterly	0.22	0.1325	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-9	Arsenic	Lab analysis	Quarterly	0.0401	0.0128	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-9	Barium	Lab analysis	Quarterly	0.056	0.028	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-9	Calcium	Lab analysis	Quarterly	107.6	105.475	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-9	Chloride	Lab analysis	Quarterly	28.4	26.75	mg/l	EPA Trigger Levels for W0129-02	75	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-9	Colour	Field analysis	Quarterly	Clear	Clear	N/A	EPA Trigger Levels for W0129-02	N/A	N/A
16/03/17 20/06/17 05/09/17 30/11/17	BH-9	Conductivity	Field analysis	Quarterly	0.63	0	mS/cm	EPA Trigger Levels for W0129-02	1	No

Groundwater/Soil monitoring template				Lic No:	W0129-02	Year	2017			
16/03/17 20/06/17 05/09/17 30/11/17	BH-9	Cyanide	Lab analysis	Quarterly	0.01	0.01	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-9	Dissolved Oxygen	Lab analysis	Quarterly	5	3	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-9	Iron	Field analysis	Quarterly	1.19	0.3125	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-9	Level, Water	Lab analysis	Quarterly	104.98	104.2925	mOD	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-9	Manganese	Field analysis	Quarterly	0.034	0.01825	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-9	Odour	Field analysis	Quarterly	None	None	N/A	EPA Trigger Levels for W0129-02	N/A	N/A
16/03/17 20/06/17 05/09/17 30/11/17	BH-9	pH	Lab analysis	Quarterly	8.4	0	pH	EPA Trigger Levels for W0129-02	6<pH<9	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-9	Phenols, Total	Lab analysis	Quarterly	0.1	0.1	mg/l	EPA Trigger Levels for W0129-02	0.1	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-9	Potassium	Lab analysis	Quarterly	0.7	0.65	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-9	Sodium	Lab analysis	Quarterly	17.2	16.575	mg/l	EPA Trigger Levels for W0129-02	80	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-9	Sulphate	Field analysis	Quarterly	82.6	76.575	mg/l	EPA Trigger Levels for W0129-02	150	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-9	Temperature	Lab analysis	Quarterly	14.8	12.775	oC	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-9	Total Organic Carbon	Lab analysis	Quarterly	5	2.75	mg/l	EPA Trigger Levels for W0129-02	50	No
16/03/17	BH-9	Total Oxidized Nitrogen	Lab analysis	Annually	0.2	0.2	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-9	Boron	Lab analysis	Annually	0.012	0.012	mg/l	EPA Trigger Levels for W0129-02	N/A	No

Groundwater/Soil monitoring template				Lic No:	W0129-02	Year	2017			
16/03/17	BH-9	Cadmium	Lab analysis	Annually	0.005	0.005	mg/l	EPA Trigger Levels for W0129-02	0.004	No
16/03/17	BH-9	Chromium, Total	Lab analysis	Annually	0.0015	0.0015	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-9	Coliforms, Faecal	Lab analysis	Annually	0	0	cfus/100ml	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-9	Coliforms, Total	Lab analysis	Annually	0	0	cfus/100ml	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-9	Copper	Lab analysis	Annually	0.007	0.007	mg/l	EPA Trigger Levels for W0129-02	0.5	No
16/03/17	BH-9	Fluoride	Lab analysis	Annually	0.3	0.3	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-9	Lead	Lab analysis	Annually	0.005	0.005	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-9	List I and II Substances	Lab analysis	Annually	0.001	0.001	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-9	Magnesium	Lab analysis	Annually	5.6	5.6	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-9	Mercury	Lab analysis	Annually	0.001	0.001	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-9	Orthophosphates	Lab analysis	Annually	0.03	0.03	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-9	PAHs (Total 17)	Lab analysis	Annually	0.000295	0.000295	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-9	Phosphorus, Total	Lab analysis	Annually	0.124	0.124	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-9	Total Solids	Lab analysis	Annually	421	421	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-9	Zinc	Lab analysis	Annually	0.003	0.003	mg/l	EPA Trigger Levels for W0129-02	N/A	No

Groundwater/Soil monitoring template				Lic No:	W0129-02	Year	2017			
16/03/17 20/06/17 05/09/17 30/11/17	BH-11A	Ammoniacal Nitrogen	Lab analysis	Quarterly	0.27	0.2375	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-11A	Arsenic	Lab analysis	Quarterly	0.0253	0.01675	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-11A	Barium	Lab analysis	Quarterly	0.017	0.01575	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-11A	Calcium	Lab analysis	Quarterly	97.8	97.325	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-11A	Chloride	Lab analysis	Quarterly	23.6	23.4	mg/l	EPA Trigger Levels for W0129-02	75	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-11A	Colour	Field analysis	Quarterly	Clear	Clear	N/A	EPA Trigger Levels for W0129-02	N/A	N/A
16/03/17 20/06/17 05/09/17 30/11/17	BH-11A	Conductivity	Field analysis	Quarterly	0.64	0.56575	mS/cm	EPA Trigger Levels for W0129-02	1	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-11A	Cyanide	Lab analysis	Annually	0.01	0.01	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-11A	Dissolved Oxygen	Lab analysis	Quarterly	6	3.75	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-11A	Iron	Field analysis	Quarterly	0.02	0.02	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-11A	Level, Water	Lab analysis	Quarterly	98.46	98.4375	mOD	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-11A	Manganese	Field analysis	Quarterly	0.415	0.4005	mg/l	EPA Trigger Levels for W0129-02	N/A	No

Groundwater/Soil monitoring template				Lic No:	W0129-02	Year	2017			
16/03/17 20/06/17 05/09/17 30/11/17	BH-11A	Odour	Field analysis	Quarterly	None	None	N/A	EPA Trigger Levels for W0129-02	N/A	N/A
16/03/17 20/06/17 05/09/17 30/11/17	BH-11A	pH	Lab analysis	Quarterly	7.8	7.535	pH	EPA Trigger Levels for W0129-02	6<pH<9	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-11A	Phenols, Total	Lab analysis	Quarterly	0.1	0.1	mg/l	EPA Trigger Levels for W0129-02	0.1	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-11A	Potassium	Lab analysis	Quarterly	2.1	2	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-11A	Sodium	Lab analysis	Quarterly	17.1	16.875	mg/l	EPA Trigger Levels for W0129-02	80	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-11A	Sulphate	Field analysis	Quarterly	14.9	13.925	mg/l	EPA Trigger Levels for W0129-02	150	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-11A	Temperature	Lab analysis	Quarterly	13.1	11.5	oC	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-11A	Total Organic Carbon	Lab analysis	Quarterly	2	2	mg/l	EPA Trigger Levels for W0129-02	50	No
16/03/17	BH-11A	Total Oxidized Nitrogen	Lab analysis	Annually	0.2	0.2	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-11A	Boron	Lab analysis	Annually	0.012	0.012	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-11A	Cadmium	Lab analysis	Annually	0.0005	0.0005	mg/l	EPA Trigger Levels for W0129-02	0.004	No
16/03/17	BH-11A	Chromium, Total	Lab analysis	Annually	0.0015	0.0015	mg/l	EPA Trigger Levels for W0129-02	N/A	No

Groundwater/Soil monitoring template				Lic No:	W0129-02	Year	2017			
16/03/17	BH-11A	Coliforms, Faecal	Lab analysis	Annually	0	0	cfus/100ml	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-11A	Coliforms, Total	Lab analysis	Annually	0	0	cfus/100ml	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-11A	Copper	Lab analysis	Annually	0.007	0.007	mg/l	EPA Trigger Levels for W0129-02	0.5	No
16/03/17	BH-11A	Fluoride	Lab analysis	Annually	0.4	0.4	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-11A	Lead	Lab analysis	Annually	0.005	0.005	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-11A	List I and II Substances	Lab analysis	Annually	0.0001	0.0001	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-11A	Magnesium	Lab analysis	Annually	12.3	12.3	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-11A	Mercury	Lab analysis	Annually	0.001	0.001	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-11A	Orthophosphates	Lab analysis	Annually	0.03	0.03	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-11A	PAHs (Total 17)	Lab analysis	Annually	0.000295	0.000295	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-11A	Phosphorus, Total	Lab analysis	Annually	0.031	0.031	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-11A	Total Solids	Lab analysis	Annually	634	634	mg/l	EPA Trigger Levels for W0129-02	N/A	No

Groundwater/Soil monitoring template				Lic No:	W0129-02	Year	2017			
16/03/17	BH-11A	Zinc	Lab analysis	Annually	0.018	0.018	mg/l	EPA Trigger Levels for W0129-02	N/A	No

.+ where average indicates arithmetic mean

++ maximum concentration indicates the maximum measured concentration from all monitoring results produced during the reporting year

Table 2: Downgradient Groundwater monitoring results

Date of sampling	Sample location reference	Parameter/Substance	Methodology	Monitoring frequency	Maximum Concentration	Average Concentration	unit	GTV's*	SELECT**	Upward trend in yearly average pollutant concentration over last 5 years of monitoring data
16/03/17 20/06/17 05/09/17 30/11/17	BH-4A	Ammoniacal Nitrogen	Lab analysis	Quarterly	5.29	2.71	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-4A	Arsenic	Lab analysis	Quarterly	0.0025	0.0025	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-4A	Barium	Lab analysis	Quarterly	0.009	0.0045	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-4A	Calcium	Lab analysis	Quarterly	93.6	34.025	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-4A	Chloride	Lab analysis	Quarterly	25.4	22.225	mg/l	EPA Trigger Levels for W0129-02	75	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-4A	Colour	Field analysis	Quarterly	N/A	N/A	N/A	EPA Trigger Levels for W0129-02	N/A	N/A
16/03/17 20/06/17 05/09/17 30/11/17	BH-4A	Conductivity	Field analysis	Quarterly	0.78	0.6525	mS/cm	EPA Trigger Levels for W0129-02	1	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-4A	Cyanide	Lab analysis	Quarterly	0.02	0.02	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-4A	Dissolved Oxygen	Lab analysis	Quarterly	3	2.25	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-4A	Iron	Field analysis	Quarterly	0.102	0.04175	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-4A	Level, Water	Lab analysis	Quarterly	93.45	93.3825	mOD	EPA Trigger Levels for W0129-02	N/A	No

Groundwater/Soil monitoring template				Lic No:	W0129-02	Year	2017			
16/03/17 20/06/17 05/09/17 30/11/17	BH-4A	Manganese	Field analysis	Quarterly	0.287	0.09375	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-4A	Odour	Field analysis	Quarterly	N/A	N/A	N/A	EPA Trigger Levels for W0129-02	N/A	N/A
16/03/17 20/06/17 05/09/17 30/11/17	BH-4A	pH	Lab analysis	Quarterly	9	8.65	pH	EPA Trigger Levels for W0129-02	6<pH<9	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-4A	Phenols, Total	Lab analysis	Quarterly	0.1	0.1	mg/l	EPA Trigger Levels for W0129-02	0.1	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-4A	Potassium	Lab analysis	Quarterly	5.3	4.05	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-4A	Sodium	Lab analysis	Quarterly	178.7	119.25	mg/l	EPA Trigger Levels for W0129-02	80	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-4A	Sulphate	Field analysis	Quarterly	93.5	54.35	mg/l	EPA Trigger Levels for W0129-02	150	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-4A	Temperature	Lab analysis	Quarterly	20.5	13.425	oC	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-4A	Total Organic Carbon	Lab analysis	Quarterly	2	2	mg/l	EPA Trigger Levels for W0129-02	50	No
16/03/17	BH-4A	Total Oxidized Nitrogen	Lab analysis	Annually	0.2	0.2	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-4A	Boron	Lab analysis	Annually	0.012	0.012	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-4A	Cadmium	Lab analysis	Annually	0.0005	0.0005	mg/l	EPA Trigger Levels for W0129-02	0.004	No
16/03/17	BH-4A	Chromium, Total	Lab analysis	Annually	0.0015	0.0015	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-4A	Coliforms, Faecal	Lab analysis	Annually	0	0	cfus/100ml	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-4A	Coliforms, Total	Lab analysis	Annually	0	0	cfus/100ml	EPA Trigger Levels for W0129-02	N/A	No

Groundwater/Soil monitoring template										
					Lic No:	W0129-02	Year			2017
16/03/17	BH-4A	Copper	Lab analysis	Annually	0.007	0.007	mg/l	EPA Trigger Levels for W0129-02	0.5	No
16/03/17	BH-4A	Fluoride	Lab analysis	Annually	0.3	0.3	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-4A	Lead	Lab analysis	Annually	0.005	0.005	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-4A	List I and II Substances	Lab analysis	Annually	0.01	0.01	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-4A	Magnesium	Lab analysis	Annually	10	10	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-4A	Mercury	Lab analysis	Annually	0.001	0.001	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-4A	Orthophosphates	Lab analysis	Annually	0.03	0.03	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-4A	PAHs (Total 17)	Lab analysis	Annually	0.000295	0.000295	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-4A	Phosphorus, Total	Lab analysis	Annually	0.11	0.11	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-4A	Total Solids	Lab analysis	Annually	552	552	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-4A	Zinc	Lab analysis	Annually	0.003	0.003	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-10A	Ammoniacal Nitrogen	Lab analysis	Quarterly	0.19	0.0775	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-10A	Arsenic	Lab analysis	Quarterly	0.0125	0.00505	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-10A	Barium	Lab analysis	Quarterly	0.015	0.01125	mg/l	EPA Trigger Levels for W0129-02	N/A	No

Groundwater/Soil monitoring template				Lic No:	W0129-02	Year	2017			
16/03/17 20/06/17 05/09/17 30/11/17	BH-10A	Calcium	Lab analysis	Quarterly	170.7	137.55	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-10A	Chloride	Lab analysis	Quarterly	59.5	59.075	mg/l	EPA Trigger Levels for W0129-02	75	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-10A	Colour	Field analysis	Quarterly	Clear	Clear	N/A	EPA Trigger Levels for W0129-02	N/A	N/A
16/03/17 20/06/17 05/09/17 30/11/17	BH-10A	Conductivity	Field analysis	Quarterly	0.94	0.762	mS/cm	EPA Trigger Levels for W0129-02	1	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-10A	Cyanide	Lab analysis	Quarterly	0.01	0.01	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-10A	Dissolved Oxygen	Lab analysis	Quarterly	10	9.14	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-10A	Iron	Lab analysis	Quarterly	0.02	0.02	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-10A	Level, Water	Field analysis	Quarterly	99.88	99.28	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-10A	Manganese	Field analysis	Quarterly	0.002	0.002	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-10A	Odour	Field analysis	Quarterly	None	None	N/A	EPA Trigger Levels for W0129-02	N/A	N/A
16/03/17 20/06/17 05/09/17 30/11/17	BH-10A	pH	Lab analysis	Quarterly	10.65	8.5875	pH	EPA Trigger Levels for W0129-02	6<pH<9	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-10A	Phenols, Total	Lab analysis	Quarterly	0.1	0.1	mg/l	EPA Trigger Levels for W0129-02	0.1	No

Groundwater/Soil monitoring template				Lic No:	W0129-02	Year	2017			
16/03/17 20/06/17 05/09/17 30/11/17	BH-10A	Potassium	Lab analysis	Quarterly	2.8	2.575	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-10A	Sodium	Lab analysis	Quarterly	31.8	31.1	mg/l	EPA Trigger Levels for W0129-02	80	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-10A	Sulphate	Field analysis	Quarterly	261.2	258.1	mg/l	EPA Trigger Levels for W0129-02	150	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-10A	Temperature	Lab analysis	Quarterly	19	13.075	oC	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-10A	Total Organic Carbon	Lab analysis	Quarterly	12	4.5	mg/l	EPA Trigger Levels for W0129-02	50	No
16/03/17	BH-10A	Total Oxidized Nitrogen	Lab analysis	Annually	0.2	0.2	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-10A	Boron	Lab analysis	Annually	0.12	0.12	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-10A	Cadmium	Lab analysis	Annually	0.0005	0.0005	mg/l	EPA Trigger Levels for W0129-02	0.004	No
16/03/17	BH-10A	Chromium, Total	Lab analysis	Annually	0.0015	0.0015	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-10A	Coliforms, Faecal	Lab analysis	Annually	0	0	cfus/100ml	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-10A	Coliforms, Total	Lab analysis	Annually	0	0	cfus/100ml	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-10A	Copper	Lab analysis	Annually	0.007	0.007	mg/l	EPA Trigger Levels for W0129-02	0.5	No

Groundwater/Soil monitoring template				Lic No:	W0129-02	Year	2017			
16/03/17	BH-10A	Fluoride	Lab analysis	Annually	0.3	0.3	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-10A	Lead	Lab analysis	Annually	0.005	0.005	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-10A	List I and II Substances	Lab analysis	Annually	0.01	0.01	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-10A	Magnesium	Lab analysis	Annually	10.2	10.2	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-10A	Mercury	Lab analysis	Annually	0.001	0.001	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-10A	Orthophosphates	Lab analysis	Annually	0.03	0.03	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-10A	PAHs (Total 17)	Lab analysis	Annually	0.000295	0.000295	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-10A	Phosphorus, Total	Lab analysis	Annually	0.073	0.073	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-10A	Total Solids	Lab analysis	Annually	628	628	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-10A	Zinc	Lab analysis	Annually	0.007	0.007	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-12	Ammoniacal Nitrogen	Lab analysis	Quarterly	0.04	0.0375	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-12	Arsenic	Lab analysis	Quarterly	0.0025	0.0025	mg/l	EPA Trigger Levels for W0129-02	N/A	No

Groundwater/Soil monitoring template				Lic No:	W0129-02	Year	2017			
16/03/17 20/06/17 05/09/17 30/11/17	BH-12	Barium	Lab analysis	Quarterly	0.014	0.012	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-12	Calcium	Lab analysis	Quarterly	91.8	42.775	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-12	Chloride	Lab analysis	Quarterly	21.7	7.1	mg/l	EPA Trigger Levels for W0129-02	75	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-12	Colour	Field analysis	Quarterly	Clear	Clear	N/A	EPA Trigger Levels for W0129-02	N/A	N/A
16/03/17 20/06/17 05/09/17 30/11/17	BH-12	Conductivity	Field analysis	Quarterly	0.502	0.22875	mS/cm	EPA Trigger Levels for W0129-02	1	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-12	Cyanide	Lab analysis	Annually	0.01	0.01	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-12	Dissolved Oxygen	Lab analysis	Quarterly	6	5.75	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-12	Iron	Field analysis	Quarterly	0.02	0.02	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-12	Level, Water	Lab analysis	Quarterly	100.66	100.075	mOD	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-12	Manganese	Field analysis	Quarterly	0.002	0.002	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-12	Odour	Field analysis	Quarterly	#VALUE!	#VALUE!	N/A	EPA Trigger Levels for W0129-02	N/A	N/A
16/03/17 20/06/17 05/09/17 30/11/17	BH-12	pH	Lab analysis	Quarterly	8.1	7.7875	pH	EPA Trigger Levels for W0129-02	6<pH<9	No

Groundwater/Soil monitoring template				Lic No:	W0129-02	Year	2017			
16/03/17 20/06/17 05/09/17 30/11/17	BH-12	Phenols, Total	Lab analysis	Quarterly	0.1	0.1	mg/l	EPA Trigger Levels for W0129-02	0.1	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-12	Potassium	Lab analysis	Quarterly	3.3	2.575	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-12	Sodium	Lab analysis	Quarterly	11	4.875	mg/l	EPA Trigger Levels for W0129-02	80	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-12	Sulphate	Field analysis	Quarterly	34.1	11.825	mg/l	EPA Trigger Levels for W0129-02	150	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-12	Temperature	Lab analysis	Quarterly	12.3	10.85	oC	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-12	Total Organic Carbon	Lab analysis	Quarterly	3	2.25	mg/l	EPA Trigger Levels for W0129-02	50	No
16/03/17	BH-12	Total Oxidized Nitrogen	Lab analysis	Annually	1.2	0.7	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-12	Boron	Lab analysis	Annually	0.012	0.012	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-12	Cadmium	Lab analysis	Annually	0.0005	0.0005	mg/l	EPA Trigger Levels for W0129-02	0.004	No
16/03/17	BH-12	Chromium, Total	Lab analysis	Annually	0.0015	0.0015	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-12	Coliforms, Faecal	Lab analysis	Annually	0	0	cfus/100ml	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-12	Coliforms, Total	Lab analysis	Annually	0	0	cfus/100ml	EPA Trigger Levels for W0129-02	N/A	No

Groundwater/Soil monitoring template				Lic No:	W0129-02	Year	2017			
16/03/17	BH-12	Copper	Lab analysis	Annually	0.007	0.007	mg/l	EPA Trigger Levels for W0129-02	0.5	No
16/03/17	BH-12	Fluoride	Lab analysis	Annually	0.3	0.3	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-12	Lead	Lab analysis	Annually	0.005	0.005	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-12	List I and II Substances	Lab analysis	Annually	0.001	0.001	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-12	Magnesium	Lab analysis	Annually	4.9	4.9	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-12	Mercury	Lab analysis	Annually	0.001	0.001	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-12	Orthophosphates	Lab analysis	Annually	0.15	0.15	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-12	PAHs (Total 17)	Lab analysis	Annually	0.000437	0.000437	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-12	Phosphorus, Total	Lab analysis	Annually	0.514	0.514	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-12	Total Solids	Lab analysis	Annually	728	728	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-12	Zinc	Lab analysis	Annually	0.003	0.003	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-13	Ammoniacal Nitrogen	Lab analysis	Quarterly	0.12	0.065	mg/l	EPA Trigger Levels for W0129-02	N/A	No

Groundwater/Soil monitoring template				Lic No:	W0129-02	Year	2017			
16/03/17 20/06/17 05/09/17 30/11/17	BH-13	Arsenic	Lab analysis	Quarterly	0.0043	0.00295	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-13	Barium	Lab analysis	Quarterly	0.011	0.00925	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-13	Calcium	Lab analysis	Quarterly	61	58.25	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-13	Chloride	Lab analysis	Quarterly	42.9	40.575	mg/l	EPA Trigger Levels for W0129-02	75	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-13	Colour	Field analysis	Quarterly	Clear	Clear	N/A	EPA Trigger Levels for W0129-02	N/A	N/A
16/03/17 20/06/17 05/09/17 30/11/17	BH-13	Conductivity	Field analysis	Quarterly	0.45	0.40025	mS/cm	EPA Trigger Levels for W0129-02	1	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-13	Cyanide	Lab analysis	Annually	0.3	0.3	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-13	Dissolved Oxygen	Lab analysis	Quarterly	10	9.25	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-13	Iron	Field analysis	Quarterly	0.02	0.02	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-13	Level, Water	Lab analysis	Quarterly	112.81	107.06	mOD	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-13	Manganese	Field analysis	Quarterly	0.002	0.002	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-13	Odour	Field analysis	Quarterly	None	None	N/A	EPA Trigger Levels for W0129-02	N/A	N/A

Groundwater/Soil monitoring template				Lic No:	W0129-02	Year	2017			
16/03/17 20/06/17 05/09/17 30/11/17	BH-13	pH	Lab analysis	Quarterly	8.5	7.81	pH	EPA Trigger Levels for W0129-02	6<pH<9	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-13	Phenols, Total	Lab analysis	Quarterly	0.1	0.055	mg/l	EPA Trigger Levels for W0129-02	0.1	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-13	Potassium	Lab analysis	Quarterly	2	1.925	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-13	Sodium	Lab analysis	Quarterly	19.1	17.725	mg/l	EPA Trigger Levels for W0129-02	80	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-13	Sulphate	Field analysis	Quarterly	14.2	13.45	mg/l	EPA Trigger Levels for W0129-02	150	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-13	Temperature	Lab analysis	Quarterly	12.8	10.925	oC	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-13	Total Organic Carbon	Lab analysis	Quarterly	18	6	mg/l	EPA Trigger Levels for W0129-02	50	No
16/03/17	BH-13	Total Oxidized Nitrogen	Lab analysis	Annually	12.2	10.775	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-13	Boron	Lab analysis	Annually	0.012	0.012	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-13	Cadmium	Lab analysis	Annually	0.0005	0.0005	mg/l	EPA Trigger Levels for W0129-02	0.004	No
16/03/17	BH-13	Chromium, Total	Lab analysis	Annually	0.0015	0.0015	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-13	Coliforms, Faecal	Lab analysis	Annually	0	0	cfus/100ml	EPA Trigger Levels for W0129-02	N/A	No

Groundwater/Soil monitoring template				Lic No:	W0129-02	Year	2017			
16/03/17	BH-13	Coliforms, Total	Lab analysis	Annually	0	0	cfus/100ml	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-13	Copper	Lab analysis	Annually	0.007	0.007	mg/l	EPA Trigger Levels for W0129-02	0.5	No
16/03/17	BH-13	Fluoride	Lab analysis	Annually	0.01	0.01	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-13	Lead	Lab analysis	Annually	0.005	0.005	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-13	List I and II Substances	Lab analysis	Annually	0.01	0.01	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-13	Magnesium	Lab analysis	Annually	4.4	4.4	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-13	Mercury	Lab analysis	Annually	0.001	0.001	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-13	Orthophosphates	Lab analysis	Annually	0.15	0.15	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-13	PAHs (Total 17)	Lab analysis	Annually	0.001	0.001	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-13	Phosphorus, Total	Lab analysis	Annually	13.43	13.43	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-13	Total Solids	Lab analysis	Annually	44324	44324	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-13	Zinc	Lab analysis	Annually	0.003	0.003	mg/l	EPA Trigger Levels for W0129-02	N/A	No

Groundwater/Soil monitoring template				Lic No:	W0129-02	Year	2017			
16/03/17 20/06/17 05/09/17 30/11/17	BH-14	Ammoniacal Nitrogen	Lab analysis	Quarterly	1.31	0.3825	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-14	Arsenic	Lab analysis	Quarterly	0.0026	0.002525	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-14	Barium	Lab analysis	Quarterly	0.02	0.01125	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-14	Calcium	Lab analysis	Quarterly	24.4	23.575	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-14	Chloride	Lab analysis	Quarterly	35.5	33.525	mg/l	EPA Trigger Levels for W0129-02	75	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-14	Colour	Field analysis	Quarterly	Clear	Clear	N/A	EPA Trigger Levels for W0129-02	N/A	N/A
16/03/17 20/06/17 05/09/17 30/11/17	BH-14	Conductivity	Field analysis	Quarterly	0.62	0.325	mS/cm	EPA Trigger Levels for W0129-02	1	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-14	Cyanide	Lab analysis	Annually	0.3	0.3	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-14	Dissolved Oxygen	Lab analysis	Quarterly	9	6.25	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-14	Iron	Field analysis	Quarterly	0.08	0.035	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-14	Level, Water	Lab analysis	Quarterly	98.93	98.375	mOD	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-14	Manganese	Field analysis	Quarterly	0.069	0.03125	mg/l	EPA Trigger Levels for W0129-02	N/A	No

Groundwater/Soil monitoring template				Lic No:	W0129-02	Year	2017			
16/03/17 20/06/17 05/09/17 30/11/17	BH-14	Odour	Field analysis	Quarterly	None	None	N/A	EPA Trigger Levels for W0129-02	N/A	N/A
16/03/17 20/06/17 05/09/17 30/11/17	BH-14	pH	Lab analysis	Quarterly	7.8	7.1175	pH	EPA Trigger Levels for W0129-02	6<pH<9	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-14	Phenols, Total	Lab analysis	Quarterly	0.1	0.055	mg/l	EPA Trigger Levels for W0129-02	0.1	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-14	Potassium	Lab analysis	Quarterly	2.7	2.15	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-14	Sodium	Lab analysis	Quarterly	14	13.375	mg/l	EPA Trigger Levels for W0129-02	80	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-14	Sulphate	Field analysis	Quarterly	16.1	13.575	mg/l	EPA Trigger Levels for W0129-02	150	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-14	Temperature	Lab analysis	Quarterly	13.2	11.35	oC	EPA Trigger Levels for W0129-02	N/A	No
16/03/17 20/06/17 05/09/17 30/11/17	BH-14	Total Organic Carbon	Lab analysis	Quarterly	4	2.75	mg/l	EPA Trigger Levels for W0129-02	50	No
16/03/17	BH-14	Total Oxidized Nitrogen	Lab analysis	Annually	9.7	8.75	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-14	Boron	Lab analysis	Annually	0.018	0.018	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-14	Cadmium	Lab analysis	Annually	0.0022	0.0022	mg/l	EPA Trigger Levels for W0129-02	0.004	No
16/03/17	BH-14	Chromium, Total	Lab analysis	Annually	0.0015	0.0015	mg/l	EPA Trigger Levels for W0129-02	N/A	No

Groundwater/Soil monitoring template				Lic No:	W0129-02	Year	2017			
16/03/17	BH-14	Coliforms, Faecal	Lab analysis	Annually	0	0	cfus/100ml	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-14	Coliforms, Total	Lab analysis	Annually	0	0	cfus/100ml	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-14	Copper	Lab analysis	Annually	0.012	0.012	mg/l	EPA Trigger Levels for W0129-02	0.5	No
16/03/17	BH-14	Fluoride	Lab analysis	Annually	0.01	0.01	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-14	Lead	Lab analysis	Annually	0.005	0.005	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-14	List I and II Substances	Lab analysis	Annually	0.001	0.001	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-14	Magnesium	Lab analysis	Annually	2.7	2.7	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-14	Mercury	Lab analysis	Annually	0.001	0.001	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-14	Orthophosphates	Lab analysis	Annually	0.006	0.006	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-14	PAHs (Total 17)	Lab analysis	Annually	0.01	0.01	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-14	Phosphorus, Total	Lab analysis	Annually	0.3	0.3	mg/l	EPA Trigger Levels for W0129-02	N/A	No
16/03/17	BH-14	Total Solids	Lab analysis	Annually	196	196	mg/l	EPA Trigger Levels for W0129-02	N/A	No

Groundwater/Soil monitoring template Lic No: W0129-02 Year 2017

16/03/17	BH-14	Zinc	Lab analysis	Annually	0.019	0.019	mg/l	EPA Trigger Levels for W0129-02	N/A	No
----------	-------	------	--------------	----------	-------	-------	------	---------------------------------	-----	----

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

More information on the use of soil and groundwater standards/ generic assessment criteria (GAC) and risk assessment tools is available in the EPA published guidance [Guidance on the Management of Contaminated Land and Groundwater at EPA Licensed Sites \(EPA 2013\)](#) (see the link in G31)

**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) [Groundwater](#) [Drinking water](#) [Surface water EQS](#) [regulations](#) [\(private supply\)](#) [Drinking water \(public supply\) standards](#) [Interim Guideline Values \(IGV\)](#)

Table 3: Soil results

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

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

Environmental Liabilities template

Lic No:

W0129-02

Year

2017

[Click here to access EPA guidance on Environmental Liabilities and Financial provision](#)

		Commentary	
1	ELRA initial agreement status	Submitted and agreed by EPA	
2	ELRA review status	Review required and completed	
3	Amount of Financial Provision cover required as determined by the latest ELRA	€361,550	
4	Financial Provision for ELRA status	Submitted and agreed by EPA	
5	Financial Provision for ELRA - amount of cover	€361,550	
6	Financial Provision for ELRA - type	Environmental Impairment Liability insurance	
7	Financial provision for ELRA expiry date	Enter expiry date	
8	Closure plan initial agreement status	Closure plan submitted and agreed by EPA	
9	Closure plan review status	Review required and completed	
10	Financial Provision for Closure status	SELECT	
11	Financial Provision for Closure - amount of cover	€945,664	
12	Financial Provision for Closure - type	cash deposit	
13	Financial provision for Closure expiry date	Enter expiry date	

Environmental Management Programme/Continuous Improvement Programme template		Lic No:	W0129-02	Year	2017
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Highlighted cells contain dropdown menu click to view		Additional Information	
1	Do you maintain an Environmental Management System (EMS) for the site. If yes, please detail in additional information	Yes	
2	Does the EMS reference the most significant environmental aspects and associated impacts on-site	Yes	
3	Does the EMS maintain an Environmental Management Programme (EMP) as required in accordance with the licence requirements	Yes	
4	Do you maintain an environmental documentation/communication system to inform the public on environmental performance of the facility, as required by the licence	SELECT	

Environmental Management Programme (EMP) report

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

Noise monitoring summary report

Lic No: W0129-02

Year

2017

1 Was noise monitoring a licence requirement for the AER period?

SELECT

If yes please fill in table N1 noise summary below

2 Was noise monitoring carried out using the EPA Guidance note, including completion of the "Checklist for noise measurement report" included in the guidance note as table 6?

[Noise Guidance note NG4](#)

SELECT

3 Does your site have a noise reduction plan

SELECT

4 When was the noise reduction plan last updated?

Enter date

5 Have there been changes relevant to site noise emissions (e.g. plant or operational changes) since the last noise survey?

SELECT

Table N1: Noise monitoring summary

Date of monitoring	Time period	Noise location (on site)	Noise sensitive location -NSL (if applicable)	LA _{eq}	LA ₉₀	LA ₁₀	LA _{max}	Tonal or Impulsive noise* (Y/N)	If tonal /impulsive noise was identified was 5dB penalty applied?	Comments (ex. main noise sources on site, & extraneous noise ex. road traffic)	Is site compliant with noise limits (day/evening/night)?
	Daytime		N4	56	54	37	78.5	No	N/A	Occasional traffic, aircraft, birdsong, leaf rustle, distant motorway	Yes
	Daytime		N5	60	60	35	85	No	N/A		Yes
	Daytime		N6	57	54	34	86.4	No	N/A		Yes
	Daytime		N7	64	57	35	88.1	No	N/A		Yes
	Daytime		N8	65	59	38	89.2	No	N/A		Yes
	Night-time		N4	46	46	32	79.4	No	N/A		Yes
	Night-time		N5	46	36	23	83	No	N/A		Yes
	Night-time		N6	40	35	24	78.4	No	N/A		Yes
	Night-time		N7	53	37	26	87.1	No	N/A		Yes
	Night-time		N8	44	36	26	82.5	No	N/A		Yes

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

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

SELECT

** please explain the reason for not taking action/resolution of noise issues?

Any additional comments? (less than 200 words)

Resource Usage/Energy efficiency summary

Lic No:

W0129-02

Year

2017

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

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

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

[SEAI - Large Industry Energy Network \(LIEN\)](#)

Additional information

Enter date of audit	No formal audit completed; ongoing monitoring and management of energy use by licensee.
No	
SELECT	NOT APPLICABLE

Energy Use	Previous year	Current year	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*
Total Energy Used (MWHrs)	23.5	19.0	31%	
Total Energy Generated (MWHrs)				
Total Renewable Energy Generated (MWHrs)				
Electricity Consumption (MWHrs)	23.4	18.7	-20%	
Fossil Fuels Consumption:				
Heavy Fuel Oil (m3)	12.6	24.3	92%	
Light Fuel Oil (m3)				
Natural gas (m3)				
Coal/Solid fuel (metric tonnes)				
Peat (metric tonnes)				
Renewable Biomass				
Renewable energy generated on site				

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

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

Water use	Water extracted Previous year m3/yr.	Water extracted Current year m3/yr.	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*	Water Emissions		Water Consumption	
					Volume Discharged back to environment(m ³ /yr):	Volume used i.e not discharged to environment e.g. released as steam m3/yr	Unaccounted for Water:	
Groundwater								
Surface water								
Public supply	60	60	0%					
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.

Resource Usage/Energy efficiency summary

Lic No:

W0129-02

Year

2017

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

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

Table R4: Energy Audit finding recommendations								
Date of audit	Recommendations	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 2017

Complaints		Additional information
Have you received any environmental complaints in the current reporting year? If yes please complete summary details of complaints received on site in table 1 below		No

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		
Total complaints open at start of reporting year							
Total new complaints received during reporting year							
Total complaints closed during reporting year							
Balance of complaints end of reporting year							

Incidents		Additional information
Have any incidents occurred on site in the current reporting year? Please list all incidents for current reporting year in Table 2 below		Yes

*For information on how to report and what constitutes an incident [What is an incident](#)

Date of occurrence	Incident nature	Location of occurrence	Incident category*please refer to guidance	Receptor	Cause of incident	Other cause(please specify)	Activity in progress at time of incident	Communication	Occurrence	Corrective action<20 words	Preventative action <20 words	Resolution status	Resolution date	Likelihood of reoccurrence
18.01.17	Breach of ELV	Other location - BH-11A	1. Minor	No Uncontrolled release	Not related to site activities	Agricultural	Normal activities	EPA	Recurring	None	None	Complete	18.01.17	Medium
18.01.17	Breach of ELV	Other location - SW1	1. Minor	No Uncontrolled release	Not related to site activities	Agricultural	Normal activities	EPA	New	None	None	Complete	18.01.17	Medium
16.03.17	Trigger level reached	Other location Active Cell, C4	2. Limited	No Uncontrolled release	Other	Level 1 sampling unrepresentative of materials presented for disposal to facility	Normal activities	EPA	New	Removal of material from site to appropriate disposal facility	Material isolated in cell. Material covered with HDPE liner. Sampling of surface water and leachate in cell (non-routine).	Ongoing	Apr-18	Low

Complaints and Incidents summary template														
		Lic No: W0129-02			Year 2017									
30.08.17	Other - Breach of WAC	Other location Active Cell, C5	1. Minor	No Uncontrolled release	Other	Breach of WAC criteria by contractor.	Normal activities	EPA	New	Removal of material from site to appropriate disposal facility	Query Questionnaire updated to include a question regarding the suspicion or presence of asbestos material in incoming loads to the facility.	Complete	19.09.17	Low
Total number of incidents current year	4													
Total number of incidents previous year	9													
% reduction/increase	-55%													

WASTE SUMMARY	Lic No:	W0129-02	Year	2017
SECTION A-PRTR ON SITE WASTE TREATMENT AND WASTE TRANSFERS TAB- TO BE COMPLETED BY ALL IPPC AND WASTE FACILITIES		PRTR facility logon	dropdown list click to see options	

SECTION B- WASTE ACCEPTED ONTO SITE-TO BE COMPLETED BY ALL IPPC AND WASTE FACILITIES

Were any wastes accepted onto your site for recovery or disposal or treatment prior to recovery or disposal within the boundaries of your facility?; (waste generated within your boundaries is **1 to be captured through PRTR reporting**)

If yes please enter details in table 1 below

Additional Information	
Yes	

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	Loads which were subject to "1 in 100" Level 2 compliance testing but which were found to have chemical parameters above the WAC for the site were rejected and removed from the facility.
-----	--

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

No	
----	--

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)

Licensed annual tonnage limit for your site (total tonnes/annum)	EWC code	Source of waste accepted	Description of waste accepted Please enter an accurate and detailed description - which applies to relevant EWC code	Quantity of waste accepted in current reporting year (tonnes)	Quantity of waste accepted in previous reporting year (tonnes)	Reduction/ Increase over previous year +/- %	Reason for reduction/ increase from previous reporting year	Packaging Content (%)- only applies if the waste has a packaging component	Disposal/Recovery or treatment operation carried out at your site and the description of this operation	Quantity of waste remaining on site at the end of reporting year (tonnes)	Comments -
500,000	17 01 01	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Concrete	5,140.00	14,325.92	-64%	Market demand	0%	D5- Specially engineered landfill	0	
500,000	17 02 02	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Glass	317.00	288.02	10%	Market demand	0%	D5- Specially engineered landfill	0	
500,000	17 05 04	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Soil and Stone	42,094.00	143,531.48	-70%	Market demand	0%	D5- Specially engineered landfill	0	
500,000	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	Sludges from water clarification	7,197.00	1,886.06	281%	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 onsite

Yes	
-----	--

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

Yes	
-----	--

WASTE SUMMARY	Lic No:	W0129-02	Year	2017
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- 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?

Yes	
N/A	
N/A	

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	54,747	3,967,742	

Table 3 General information-Landfill only

Area ID	Date landfilling commenced	Date landfilling ceased	Currently landfilling	Private or Public Operated	Inert or non-hazardous	Predicted date to cease landfilling	Licence permits asbestos	Is there a separate cell for asbestos?	Accepted asbestos in reporting year	Total disposal area occupied by waste	Lined disposal area occupied by waste	Unlined area	Comments on liner type	
										SELECT UNIT	SELECT UNIT	SELECT UNIT		
W0129-02 Cell 4B		2003	Ongoing	Yes	Private	Inert	Dependant on input and relevant planning requirements	No	No	No			0 (further areas of quarry to be developed as lined cells in line with phased restoration of the site).	Inert landfill liner in accordance with Landfill Directive 1999

Table 4 Environmental monitoring-landfill only

[Landfill Manual-Monitoring Standards](#)

Was meteorological monitoring in compliance with Landfill Directive (LD) standard in reporting year +	Was leachate monitored in compliance with LD standard in reporting year	Was Landfill Gas monitored in compliance with LD standard in reporting year	Was SW monitored in compliance with LD standard in reporting year	Have GW trigger levels been established	Were emission limit values agreed with the Agency (ELVs)	Was topography of the site surveyed in reporting year	Has the statement under S53(A)(5) of WMA been submitted in reporting year	Comments
Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	

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

Table 5 Capping-Landfill only

Area uncapped*	Area with temporary cap	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
SELECT UNIT	SELECT UNIT	3600m2	n/a	n/a	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

SELECT
SELECT

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

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

Table 7 Landfill Gas-Landfill only

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
			SELECT	



| PRTR# : W0129 | Facility Name : Integrated Materials Solutions Limited Partnership |
 Filename : W0129_2017 PRTR.xls | Return Year : 2017 |

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[Guidance to completing the PRTR workbook](#)

PRTR Returns Workbook

Version 1.1.19

REFERENCE YEAR	2017
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1. FACILITY IDENTIFICATION

Parent Company Name	Integrated Materials Solutions Limited Partnership
Facility Name	Integrated Materials Solutions Limited Partnership
PRTR Identification Number	W0129
Licence Number	W0129-02

Classes of Activity

No.	class_name
-	Refer to PRTR class activities below

Address 1	Hollywood Great
Address 2	Nags Head
Address 3	The Naul
Address 4	
	Dublin
Country	Ireland
Coordinates of Location	-9.09708 52.6126
River Basin District	IEEA
NACE Code	3900
Main Economic Activity	Remediation activities and other waste management services
AER Returns Contact Name	Kerstie Flanagan
AER Returns Contact Email Address	kerstief@pateltonra.com
AER Returns Contact Position	Environmental Consultant
AER Returns Contact Telephone Number	01 8020527
AER Returns Contact Mobile Phone Number	01 8020257
AER Returns Contact Fax Number	01 8020525
Production Volume	0.0
Production Volume Units	
Number of Installations	0
Number of Operating Hours in Year	0
Number of Employees	4
User Feedback/Comments	
Web Address	

2. PRTR CLASS ACTIVITIES

Activity Number	Activity Name
5(d)	Landfills
5(d)	Landfills
50.1	General

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

Is it applicable?	
Have you been granted an exemption ?	
If applicable which activity class applies (as per Schedule 2 of the regulations) ?	
Is the reduction scheme compliance route being used ?	

4. WASTE IMPORTED/ACCEPTED ONTO SITE

[Guidance on waste imported/accepted onto site](#)

Do you import/accept waste onto your site for on-site treatment (either recovery or disposal activities) ?	
--	--

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

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE

| PRTR# : W0129 | Facility Name : Integrated Materials Solutions Limited Partnership | Filename : W0129_2017 PRTR.xls | Return Year : 2017 |

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Please enter all quantities on this sheet in Tonnes

3

Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Haz Waste : Name and Licence/Permit No of Next Destination Facility Non Haz Waste: Name and Licence/Permit No of Recover/Disposer	Haz Waste : Address of Next Destination Facility Non Haz Waste: Address of Recover/Disposer	Name and License / Permit No. and Address of Final Recoverer / Disposer (HAZARDOUS WASTE ONLY)	Actual Address of Final Destination i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY)
						M/C/E	Method Used					
Within the Country	20 03 01	No	0.1	mixed municipal waste	D15	C	Volume Calculation	Offsite in Ireland	Panda,W0140-03	Beauparc,Navan,Co. Meath,0,Ireland	Beauparc,Navan,Co. Meath,0,Ireland	
Within the Country	20 03 01	No	0.06	mixed municipal waste	R3	C	Volume Calculation	Offsite in Ireland	Panda,W0140-03	Beauparc,Navan,Co. Meath,0,Ireland	Beauparc,Navan,Co. Meath,0,Ireland	

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

[Link to previous years waste data](#)

[Link to previous years waste summary data & percentage change](#)

[Link to Waste Guidance](#)