

Facility Information Summary	
AER Reporting Year	2015
Licence Register Number	W0026-03
Name of site	Kyletalesha Landfill
Site Location	Mountmellick Road, Portlaoise
NACE Code	
Class/Classes of Activity	Landfill for Non-Hazardous Waste
National Grid Reference (6E, 6 N)	245403, 202646
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 <b>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.</b>	Landfilling activities ceased on site in November 2012 and completion of capping works on the final section of mini-cell 15b was completed in March 2013. Despite the closed status of the site limited household waste volumes are still accepted at the domestic waste deposit area for offsite transfer and disposal by a licensed contractor. All environmental monitoring was completed as required under schedule D of the waste licence. Groundwater, landfill gas, flare stack emissions, dust deposition, leachate and surface water monitoring results for 2015 were consistent with previous historical results.

**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.

_____	31/03/2016
Signature	Date
Group/Facility manager	
(or nominated, suitably qualified and experienced deputy)	

<b>AIR-summary template</b>	Lic No: W0026-03	Year	2015
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Answer all questions and complete all tables where relevant

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 <b>you do not have</b> licensed emissions and <b>do not complete a solvent management plan</b> (table A4 and A5) you <u>do not</u> need to complete the tables	Additional information	
		Yes	UNIFLARE 750m3 Flare

### 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	No	
3	Was all monitoring carried out in accordance with EPA guidance note AG2 and using the basic air monitoring checklist? <a href="#">Basic air monitoring checklist</a> <a href="#">AGN2</a>	Yes	

**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
UNIFLARE	Carbon monoxide (CO)	Annual	50 mg/Nm <sup>3</sup>	No 30min mean can exceed the ELV	3.81	mg/Nm <sup>3</sup>	yes	EN15058:2006		
	Nitrous oxide (N <sub>2</sub> O)	Annual	150 mg/Nm <sup>3</sup>	No 30min mean can exceed the ELV	121.86	mg/Nm <sup>3</sup>	yes	EN14792:2006		
	Total Volatile Organic Carbon (VOC)	Annual	10 mg/Nm <sup>3</sup>	No 30min mean can exceed the ELV	0.59	mgC/Nm <sup>3</sup>	yes	EN12619:2013		
	Hydrogen Chloride (HCL)	Annual	50 mg/Nm <sup>3</sup>	No 30min mean can exceed the ELV	0.41	mg/Nm <sup>3</sup>	yes	EN1911:2010		
	Hydrogen Fluoride (HF)	Annual	5 mg/Nm <sup>3</sup>	No 30min mean can exceed the ELV	1.64	mg/Nm <sup>3</sup>	yes	EN15713:2006		
	Sulphur Dioxide (SO <sub>2</sub> )	Annual	N/A	No 30min mean can exceed the ELV	72.1	mg/Nm <sup>3</sup>	N/A	TGN21		
	Oxygen	Annual	N/A	No 30min mean can exceed the ELV	11.6	mg/Nm <sup>3</sup>	N/A	EN14789:2005		
	SELECT			SELECT		SELECT	SELECT			

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

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
			50 mg/m <sup>2</sup> /day		45.9,7.84, 54.9					
D1	Dust Deposition	3 Times a Year	50 mg/m <sup>2</sup> /day	Daily average < ELV		mg/m <sup>2</sup> /day	yes	OTH	N/A	N/A
D2	Dust Deposition	3 Times a Year	50 mg/m <sup>2</sup> /day	Daily average < ELV	149.1, 389.01, 25.1	mg/m <sup>2</sup> /day	yes	OTH	N/A	N/A
D3	Dust Deposition	3 Times a Year	50 mg/m <sup>2</sup> /day	Daily average < ELV	73.2, 2.74, 37.6	mg/m <sup>2</sup> /day	yes	OTH	N/A	N/A
D4	Dust Deposition	3 Times a Year	50 mg/m <sup>2</sup> /day	Daily average < ELV	75.5,3.92, 74.1	mg/m <sup>2</sup> /day	yes	OTH	N/A	N/A

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<b>Continuous Monitoring</b>				

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)	Yes	
5	Did continuous monitoring equipment experience downtime? If yes please record downtime in table A2 below	No	
6	Do you have a proactive service agreement for each piece of continuous monitoring equipment?	Yes	
7	Did your site experience any abatement system bypasses? If yes please detail them in table A3 below	No	

**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 exceedences in current reporting year	Comments
Site Office	CH4	1.0% v/v	Daily	Daily average < ELV	%v/v	N/A	0%	0	0	Less than ELV for all readings
Site Office	CO2	1.5% v/v	Daily	Daily average < ELV	%v/v	N/A	0%	0	0	Less than ELV for all readings
Weighbridge	CH4	1.0% v/v	Daily	Daily average < ELV	%v/v	N/A	0%	0	0	Less than ELV for all readings
Weighbridge	CO2	1.5% v/v	Daily	Daily average < ELV	%v/v	N/A	0%	0	0	Less than ELV for all readings
CA Site Office	CH4	1.0% v/v	Daily	Daily average < ELV	%v/v	N/A	0%	0	0	Less than ELV for all readings
CA Site Office	CO2	1.5% v/v	Daily	Daily average < ELV	%v/v	N/A	0%	0	0	Less than ELV for all readings

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

<b>AIR-summary template</b>		Lic No:	W0026-03	Year	2015			
<b>Solvent use and management on site</b>								
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					No			
<b>Table A4: Solvent Management Plan Summary</b>			<a href="#">Solvent regulations</a> Please refer to linked solvent regulations to complete table 5 and 6					
<b>Total VOC Emission limit value</b>								
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			
<b>Table A5: Solvent Mass Balance summary</b>								
	(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.	Solvents destroyed onsite through	Total emission of Solvent to air (kg)
							Total	

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

Lic No:

W0026-03

Year

2015

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

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

Additional information	
No	Leachate is Tankered off site to Laois Co. Co. Waste Water Treatment Plant
Yes	Schedule D.5

**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
S1	upstream	SELECT	Temperature	22/01/2015, 14/04/2015, 09/07/2015, 12/10/2015	Temperature shall exc	All values < ELV	1.8, 9.2, 13.5, 8.8	degrees C	yes	
			Dissolved Oxygen	22/01/2015, 14/04/2015, 09/07/2015, 12/10/2015		All values < ELV	63.0, 62.0, 53.0, 67.0	% Saturation	(if no please enter details in comments)	stagnant nature of water would lend itself to reduced DO levels
			pH	22/01/2015, 14/04/2015, 09/07/2015, 12/10/2015	6.0-9.0	All values < ELV	7.6, 7.1, 7.2, 7.3	pH units	yes	
			Conductivity	22/01/2015, 14/04/2015, 09/07/2015, 12/10/2015	1000	All values < ELV	483,493, 674, 429	µS/cm @20oC	yes	
			Ammonia (as N)	22/01/2015, 14/04/2015, 09/07/2015, 12/10/2015	0.14	All values < ELV	1.3, 0.76, 2.3, 1.5	mg/L	(if no please enter details in comments)	Organics in peat result in elevated ammonia concentrations
			Chloride	22/01/2015, 14/04/2015, 09/07/2015, 12/10/2015	250	All values < ELV	nr, 18, 15, 14	mg/L	yes	
			Ortho-phosphate (as PO4)	14/04/2015	0.06	All values < ELV	0.012	mg/L	yes	
			Total Oxidised Nitrogen	14/04/2015	No abnormal Change	All values < ELV	0.83	mg/L	yes	
			COD	22/01/2015, 14/04/2015, 09/07/2015, 12/10/2015	40	All values < ELV	69, 83, 55, 45	mg/L		
			BOD	22/01/2015, 14/04/2015, 09/07/2015, 12/10/2015	2.6	All values < ELV	1.4, 2.2, 3.5, 2.7	mg/L	(if no please enter details in comments)	One result indicated elevated BOD - upstream of site
			Suspended Solids	22/01/2015, 14/04/2015, 09/07/2015, 12/10/2015	50	All values < ELV	<8, <8, <8, <4	mg/L	yes	
			Fluoride	14/04/2015	0.5	All values < ELV	0.2	mg/L	yes	
			Sulphate	14/04/2015	200	All values < ELV	2	mg/L	yes	
			Aluminium	14/04/2015	200	All values < ELV	17	µg/L	yes	
			Barium	14/04/2015	1000	All values < ELV	130	µg/L	yes	
			Calcium	14/04/2015	N/A	All values < ELV	58	mg/L	yes	
			Cobalt	14/04/2015	N/A	All values < ELV	<1.0	µg/L	yes	
			Iron	14/04/2015	2000	All values < ELV	820	µg/L	yes	
			Magnesium	14/04/2015	N/A	All values < ELV	4	mg/L	yes	
			Manganese	14/04/2015	1000	All values < ELV	460	µg/L	yes	
			Potassium	14/04/2015	N/A	All values < ELV	2.3	mg/L	yes	
			Selenium	14/04/2015	10	All values < ELV	<1.0	µg/L	yes	
			Sodium	14/04/2015	200	All values < ELV	11	mg/L	yes	
			Antimony	14/04/2015	5	All values < ELV	<1.0	µg/L	yes	
	SELECT	SELECT	Total Heavy Metals	14/04/2015	Various	All values < ELV	All < ELV	µg/L	yes	
S4	downstream	SELECT	Temperature	22/01/2015, 14/04/2015, 09/07/2015, 12/10/2015	Temperature shall exc	All values < ELV	3.2, 9.4, -, -	degrees C	yes	
			Dissolved Oxygen	22/01/2015, 14/04/2015, 09/07/2015, 12/10/2015		All values < ELV	85.0, 82.0, -, -	mg/L	yes	

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			pH	22/01/2015, 14/04/2015, 09/07/2015, 12/10/2015	6.0-9.0	All values < ELV	7.4, -, -	pH units	yes	
			Conductivity	22/01/2015, 14/04/2015, 09/07/2015, 12/10/2015	1000	All values < ELV	1212, 1194, -, -	µS/cm @20oC	(if no please enter details in comments t	May be due to runoff into stream from upstream sources
			Ammonia (as N)	22/01/2015, 14/04/2015, 09/07/2015, 12/10/2015	0.14	All values < ELV	0.41, 0.15, -, -	mg/L	(if no please enter details in comments t	One result indicated elevated ammonia - may be due to influence from upstream sources not associated with the site
			Chloride	22/01/2015, 14/04/2015, 09/07/2015, 12/10/2015	250	All values < ELV	97, 104, -, -	mg/L	yes	
			Ortho-phosphate (as PO4)	14/04/2015,	0.06	All values < ELV	0.038	mg/L	yes	
			Total Oxidised Nitrogen	14/04/2015,	No abnormal Change	All values < ELV	4.2	mg/L	yes	
			COD	22/01/2015, 14/04/2015, 09/07/2015, 12/10/2015	40	All values < ELV	88, 100, -, -	mg/L	(if no please enter details in comments t	Elevated COD may be due to influence from upstream sources not associated with the site (e.g., septic tanks)
			BOD	22/01/2015, 14/04/2015, 09/07/2015, 12/10/2015	2.6	All values < ELV	2.4, 1.9, -, -	mg/L	yes	
			Suspended Solids	22/01/2015, 14/04/2015, 09/07/2015, 12/10/2015	50	All values < ELV	39, 11, -, -	mg/L	yes	
			Fluoride	14/04/2015,	0.5	All values < ELV	<0.4	mg/L	yes	
			Sulphate	14/04/2015,	200	All values < ELV	47	mg/L	yes	
			Aluminium	14/04/2015,	200	All values < ELV	38	µg/L	yes	
			Barium	14/04/2015,	1000	All values < ELV	220	µg/L	yes	
			Calcium	14/04/2015,	N/A	All values < ELV	150	mg/L	yes	
			Cobalt	14/04/2015,	N/A	All values < ELV	<1.0	µg/L	yes	
			Iron	14/04/2015,	2000	All values < ELV	550	µg/L	yes	
			Magnesium	14/04/2015,	N/A	All values < ELV	32	mg/L	yes	
			Manganese	14/04/2015,	1000	All values < ELV	63	µg/L	yes	
			Potassium	14/04/2015,	N/A	All values < ELV	18	mg/L	yes	
			Selenium	14/04/2015,	10	All values < ELV	<1.0	µg/L	yes	
			Sodium	14/04/2015,	200	All values < ELV	73	mg/L	yes	
			Antimony	14/04/2015,	5	All values < ELV	<1.0	µg/L	yes	
	SELECT	SELECT	Total Heavy Metals	14/04/2015,	Various	All values < ELV	All < ELV	µg/L	yes	
S3	downstream	SELECT	Temperature	22/01/2015, 14/04/2015, 09/07/2015,	Temperature shall exc	All values < ELV	3, 9.5, -, -	degrees C	yes	
			Dissolved Oxygen	22/01/2015, 14/04/2015, 09/07/2015,		All values < ELV	74.0, 30.0, -, -	mg/L	(if no please enter details in comments t	stagnant nature of water would lend itself to reduced DO levels
			pH	22/01/2015, 14/04/2015, 09/07/2015,	6.0-9.0	All values < ELV	7.3, 7.2, -, -	pH units	yes	
			Conductivity	22/01/2015, 14/04/2015, 09/07/2015,	1000	All values < ELV	830, 946, -, -	µS/cm @20oC	yes	
			Ammonia (as N)	22/01/2015, 14/04/2015, 09/07/2015,	0.14	All values < ELV	14, 17, -, -	mg/L	(if no please enter details in comments t	Breakdown of organics in bog contributing to elevated concentrations
			Chloride	22/01/2015, 14/04/2015, 09/07/2015,	250	All values < ELV	n/r, 81, -, -	mg/L	yes	
			Ortho-phosphate (as PO4)	14/04/2015,	0.06	All values < ELV	0.015	mg/L	yes	
			Total Oxidised Nitrogen	14/04/2015,	No abnormal Change	All values < ELV	1.8	mg/L	yes	
			COD	22/01/2015, 14/04/2015, 09/07/2015,	40	All values < ELV	82, 96, -, -	mg/L	(if no please enter details in comments t	Elevated concentrations similar to background
			BOD	22/01/2015, 14/04/2015, 09/07/2015,	2.6	All values < ELV	4.9, 12, -, -	mg/L	(if no please enter details in comments t	Breakdown of organics in bog contributing to elevated concentrations
			Suspended Solids	22/01/2015, 14/04/2015, 09/07/2015,	50	All values < ELV	12, <8, -, -	mg/L	yes	
			Fluoride	14/04/2015,	0.5	All values < ELV	<0.20	mg/L	yes	
			Sulphate	14/04/2015,	200	All values < ELV	8	mg/L	yes	
			Aluminium	14/04/2015,	N/A	All values < ELV	14	µg/L	yes	
			Barium	14/04/2015,	1000	All values < ELV	170	µg/L	yes	
			Calcium	14/04/2015,	N/A	All values < ELV	89	mg/L	yes	
			Cobalt	14/04/2015,	N/A	All values < ELV	1.1,	µg/L	yes	
			Iron	14/04/2015,	2000	All values < ELV	1100	µg/L	yes	
			Magnesium	14/04/2015,	N/A	All values < ELV	18	mg/L	yes	

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			Manganese	14/04/2015	1000	All values < ELV	420	µg/L	yes	
			Potassium	14/04/2015	N/A	All values < ELV	20	mg/L	yes	
			Selenium	14/04/2015	10	All values < ELV	<1.0	µg/L	yes	
			Sodium	14/04/2015	200	All values < ELV	63	mg/L	yes	
			Antimony	14/04/2015	5	All values < ELV	<1.0	µg/L	yes	
	SELECT	SELECT	Total Heavy Metals	14/04/2015	Various	All values < ELV	All < ELV	µg/L	yes	
S2	onsite	SELECT	Temperature	22/01/2015, 14/04/2015, 09/07/2015	Temperature shall exc	All values < ELV	2.4, 9.5, 13.8, 8.7	degrees C	yes	
			Dissolved Oxygen	22/01/2015, 14/04/2015, 09/07/2015		All values < ELV	65.0, 61.0, 26.0, 75.0	mg/L	(if no please enter details in comments t	stagnant nature of water would lend itself to reduced DO levels
			pH	22/01/2015, 14/04/2015, 09/07/2015	6.0-9.0	All values < ELV	7.6, 7.1, 7.2, 7.2	pH units	yes	
			Conductivity	22/01/2015, 14/04/2015, 09/07/2015	1000	All values < ELV	483, 493, 674, 544	µS/cm @20oC	yes	
			Ammonia (as N)	22/01/2015, 14/04/2015, 09/07/2015	0.14	All values < ELV	4.9, 3.8, 7.3, 3.5	mg/L	(if no please enter details in comments t	Breakdown of organics in bog & potential limited input from site contributing to elevated concentrations
			Chloride	22/01/2015, 14/04/2015, 09/07/2015	250	All values < ELV	n/r, 29, 32, 23	mg/L	yes	
			Ortho-phosphate (as PO4)	14/04/2015	0.06	All values < ELV	0.018	mg/L	yes	
			Total Oxidised Nitrogen	14/04/2015	No abnormal Change	All values < ELV	2.3	mg/L	yes	
			COD	22/01/2015, 14/04/2015, 09/07/2015	40	All values < ELV	159, 933, 178, 48	mg/L	(if no please enter details in comments t	Elevated concentrations similar to background (S1)
			BOD	22/01/2015, 14/04/2015, 09/07/2015	2.6	All values < ELV	6, 40, 188, 315	mg/L	(if no please enter details in comments t	Exceedance from organics breakdown
			Suspended Solids	22/01/2015, 14/04/2015, 09/07/2015	50	All values < ELV	77, 113, 115, 5	mg/L	(if no please enter details in comments t	Exceedences due to heavy rainfall.
			Fluoride	14/04/2015	0.5	All values < ELV	<0.20	mg/L	yes	
			Sulphate	14/04/2015	200	All values < ELV	7	mg/L	yes	
			Aluminium	14/04/2015	N/A	All values < ELV	19	µg/L	yes	
			Barium	14/04/2015	1000	All values < ELV	130	µg/L	yes	
			Calcium	14/04/2015	N/A	All values < ELV	72	mg/L	yes	
			Cobalt	14/04/2015	N/A	All values < ELV	<1.0	µg/L	yes	
			Iron	14/04/2015	2000	All values < ELV	740	µg/L	yes	
			Magnesium	14/04/2015	N/A	All values < ELV	8.1	mg/L	yes	
			Manganese	14/04/2015	1000	All values < ELV	210	µg/L	yes	
			Potassium	14/04/2015	N/A	All values < ELV	8.6	mg/L	yes	
			Selenium	14/04/2015	10	All values < ELV	<1.0	µg/L	yes	
			Sodium	14/04/2015	200	All values < ELV	20	mg/L	yes	
			Antimony	14/04/2015	5	All values < ELV	<1.0	µg/L	yes	
	SELECT	SELECT	Total Heavy Metals	14/04/2015	Various	All values < ELV	All < ELV	µg/L	yes	
S5	onsite	SELECT	Temperature	22/01/2015, 14/04/2015, 09/07/2015	Temperature shall exc	All values < ELV	2.6, 10.5, 15.8, 9.4	degrees C	yes	
			Dissolved Oxygen	22/01/2015, 14/04/2015, 09/07/2015		All values < ELV	45.0, 23.0, 39.0, 50.0		no (if no please enter details in comments t	stagnant nature of water would lend itself to reduced DO levels
			pH	22/01/2015, 14/04/2015, 09/07/2015	6.0-9.0	All values < ELV	7.3, 7.2, 7.5, 7.4	pH units	yes	
			Conductivity	22/01/2015, 14/04/2015, 09/07/2015	1000	All values < ELV	2100, 2730, 3050, 5320	µS/cm @20oC	(if no please enter details in comments t	Elevated conductivity may be indicator of inputs to drain from site and other commercial sites in the area.
			Ammonia (as N)	22/01/2015, 14/04/2015, 09/07/2015	0.14	All values < ELV	50, 78, 83, 100	mg/L	(if no please enter details in comments t	Organic input from site, forestry, roads, agriculture and commercial properties in the area.
			Chloride	22/01/2015, 14/04/2015, 09/07/2015	250	All values < ELV	170, 277, 336, 353	mg/L	(if no please enter details in comments box)	
			Ortho-phosphate (as PO4)	14/04/2015	0.06	All values < ELV	0.013	mg/L	yes	
			Total Oxidised Nitrogen	14/04/2015	No abnormal Change	All values < ELV	0.52	mg/L	yes	
			COD	22/01/2015, 14/04/2015, 09/07/2015	40	All values < ELV	109, 155, 126, 143	mg/L	(if no please enter details in comments t	Elevated concentrations similar to background
			BOD	22/01/2015, 14/04/2015, 09/07/2015	2.6	All values < ELV	20, 19, 6.3, 7.2	mg/L	(if no please enter details in comments t	Organic input from site, forestry, roads, agriculture and commercial properties in the area.
			Suspended Solids	22/01/2015, 14/04/2015, 09/07/2015	50	All values < ELV	99, 48, 80, 205	mg/L	(if no please enter details in comments t	three instances of high S Solids may be due to high rains or increased output from other properties discharging to that area of the drain.
			Fluoride	14/04/2015	0.5	All values < ELV	<0.6	mg/L	yes	
			Sulphate	14/04/2015	200	All values < ELV	8	mg/L	yes	

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			Aluminium	14/04/2015	N/A	All values < ELV	<10.0	µg/L	yes	
			Barium	14/04/2015	1000	All values < ELV	400	µg/L	yes	
			Calcium	14/04/2015	N/A	All values < ELV	150	mg/L	yes	
			Cobalt	14/04/2015	N/A	All values < ELV	2.3	µg/L	yes	
			Iron	14/04/2015	2000	All values < ELV	3000	µg/L	(if no please enter details in comments t	digested sediment in sample during analysis may indicate higher concentration
			Magnesium	14/04/2015	N/A	All values < ELV	52	mg/L	yes	
			Manganese	14/04/2015	1000	All values < ELV	410	µg/L	yes	
			Potassium	14/04/2015	N/A	All values < ELV	62	mg/L	yes	
			Selenium	14/04/2015	10	All values < ELV	<1.0	µg/L	yes	
			Sodium	14/04/2015	200	All values < ELV	N/R	mg/L	yes	
			Antimony	14/04/2015	5	All values < ELV	<1.0	µg/L	yes	
	SELECT	SELECT	Total Heavy Metals	14/04/2015	Various	All values < ELV	All < ELV	SELECT	yes	
S7	downstream	SELECT	Temperature	22/01/2015, 14/04/2015, 09/07/2015	Temperature shall exc	All values < ELV	3.5,10.3,12.7,9.8	degrees C	yes	
			Dissolved Oxygen	22/01/2015, 14/04/2015, 09/07/2015		All values < ELV	68.0,48.0,21.0,47.0	mg/L	(if no please enter details in comments t	stagnant nature of water would lend itself to reduced DO levels
			pH	22/01/2015, 14/04/2015, 09/07/2015	6.0-9.0	All values < ELV	7.5,7.3,7.3,7.3	pH units	yes	
			Conductivity	22/01/2015, 14/04/2015, 09/07/2015	1000	All values < ELV	743, 814, 1203, 1108	µS/cm @20oC	yes	
			Ammonia (as N)	22/01/2015, 14/04/2015, 09/07/2015	0.14	All values < ELV	7.4, 7.9, 13, 13	mg/L	(if no please enter details in comments t	Organic input from site, forestry, roads, agriculture and commercial properties in the area.
			Chloride	22/01/2015, 14/04/2015, 09/07/2015	250	All values < ELV	n/r, 59, 88, 94	mg/L	yes	
			Ortho-phosphate (as PO4)	14/04/2015	0.06	All values < ELV	0.016	mg/L	yes	
			Total Oxidised Nitrogen	14/04/2015	No abnormal Change	All values < ELV	3.8	mg/L	yes	
			COD	22/01/2015, 14/04/2015, 09/07/2015	40	All values < ELV	87, 94, 63, 54	mg/L	(if no please enter details in comments t	Elevated concentrations similar to background
			BOD	22/01/2015, 14/04/2015, 09/07/2015	2.6	All values < ELV	5.9, >22.5, 22, 4	mg/L	(if no please enter details in comments t	Organic input from site, forestry, roads, agriculture and commercial properties in the area.
			Suspended Solids	22/01/2015, 14/04/2015, 09/07/2015	50	All values < ELV	<8, <8, 12, 5	mg/L	yes	
			Fluoride	14/04/2015	0.5	All values < ELV	0.3	mg/L	yes	
			Sulphate	14/04/2015	200	All values < ELV	16	mg/L	yes	
			Aluminium	14/04/2015	N/A	All values < ELV	36	µg/L	yes	
			Barium	14/04/2015	1000	All values < ELV	240	µg/L	yes	
			Calcium	14/04/2015	N/A	All values < ELV	110	mg/L	yes	
			Cobalt	14/04/2015	N/A	All values < ELV	<1.0	µg/L	yes	
			Iron	14/04/2015	2000	All values < ELV	810	µg/L	yes	
			Magnesium	14/04/2015	N/A	All values < ELV	14	mg/L	yes	
			Manganese	14/04/2015	1000	All values < ELV	140	µg/L	yes	
			Potassium	14/04/2015	N/A	All values < ELV	14	mg/L	yes	
			Selenium	14/04/2015	10	All values < ELV	<1.0	µg/L	yes	
			Sodium	14/04/2015	200	All values < ELV	42	mg/L	yes	
			Antimony	14/04/2015	5	All values < ELV	<1.0	µg/L	yes	
	SELECT	SELECT	Total Heavy Metals	14/04/2015	Various	All values < ELV	All < ELV	µg/L	yes	
S8	upstream	SELECT	Temperature	22/01/2015, 14/04/2015, 09/07/2015	Temperature shall exc	All values < ELV	5.7,11.5,14.5,12.5	degrees C	yes	
			Dissolved Oxygen	22/01/2015, 14/04/2015, 09/07/2015		All values < ELV	101.0,112.0,96.0,112.0	mg/L	yes	
			pH	22/01/2015, 14/04/2015, 09/07/2015	6.0-9.0	All values < ELV	7.8, 8.0, 7.9, 8.1	pH units	yes	
			Conductivity	22/01/2015, 14/04/2015, 09/07/2015	1000	All values < ELV	756, 736, 908, 1037	µS/cm @20oC	yes	
			Ammonia (as N)	22/01/2015, 14/04/2015, 09/07/2015	0.14	All values < ELV	0.089, 0.029, 0.049, 0.035	mg/L	yes	
			Chloride	22/01/2015, 14/04/2015, 09/07/2015	250	All values < ELV	n/r, 50, 92, 118	mg/L	yes	
			Ortho-phosphate (as PO4)	14/04/2015	0.06	All values < ELV	0.025	mg/L	yes	
			Total Oxidised Nitrogen	14/04/2015	No abnormal Change	All values < ELV	3	mg/L	yes	
			COD	22/01/2015, 14/04/2015, 09/07/2015	40	All values < ELV	<20, 36, <20, <20	mg/L	yes	



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			BOD	22/01/2015, 14/04/2015, 09/07/2015	2.6	All values < ELV	,1.0, 1, <1.0, <1.0	mg/L	yes	
			Suspended Solids	22/01/2015, 14/04/2015, 09/07/2015	50	All values < ELV	<8, <8, 10, <4	mg/L	yes	
			Fluoride	14/04/2015	0.5	All values < ELV	0.26	mg/L	yes	
			Sulphate	14/04/2015	200	All values < ELV	28	mg/L	yes	
			Aluminium	14/04/2015	N/A	All values < ELV	48	µg/L	yes	
			Barium	14/04/2015	1000	All values < ELV	130	µg/L	yes	
			Calcium	14/04/2015	N/A	All values < ELV	120	mg/L	yes	
			Cobalt	14/04/2015	N/A	All values < ELV	<1.0	µg/L	yes	
			Iron	14/04/2015	2000	All values < ELV	250	µg/L	yes	
			Magnesium	14/04/2015	N/A	All values < ELV	8.7	mg/L	yes	
			Manganese	14/04/2015	300	All values < ELV	44	µg/L	yes	
			Potassium	14/04/2015	N/A	All values < ELV	4.7	mg/L	yes	
			Selenium	14/04/2015	10	All values < ELV	<1.0	µg/L	yes	
			Sodium	14/04/2015	200	All values < ELV	29	mg/L	yes	
			Antimony	14/04/2015	5	All values < ELV	<1.0	µg/L	yes	
	SELECT	SELECT	Total Heavy Metals	14/04/2015	Various	All values < ELV	All < ELV	µg/L	yes	
S9	downstream	SELECT	Temperature	22/01/2015, 14/04/2015, 09/07/2015	Temperature shall exc	All values < ELV	5.3, 10.8, 14.1, 12.3	degrees C	yes	
			Dissolved Oxygen	22/01/2015, 14/04/2015, 09/07/2015		All values < ELV	102, 108, 96, 110	mg/L	yes	
			pH	22/01/2015, 14/04/2015, 09/07/2015	6.0-9.0	All values < ELV	7.8, 8.0, 7.9, 7.9	pH units	yes	
			Conductivity	22/01/2015, 14/04/2015, 09/07/2015	1000	All values < ELV	760, 745, 886, 1023	µS/cm @20oC	yes	
			Ammonia (as N)	22/01/2015, 14/04/2015, 09/07/2015	0.14	All values < ELV	0.37, 0.29, 0.15, 0.14	mg/L	(if no please enter details in comments t	Organic input from site, forestry, roads, agriculture, WWTP and commercial properties in the area.
			Chloride	22/01/2015, 14/04/2015, 09/07/2015	250	All values < ELV	nr, 50, 87, 116	mg/L	yes	
			Ortho-phosphate (as PO4)	14/04/2015	0.06	All values < ELV	0.024	mg/L	yes	
			Total Oxidised Nitrogen	14/04/2015	No abnormal Change	All values < ELV	3.1	mg/L	yes	
			COD	22/01/2015, 14/04/2015, 09/07/2015	40	All values < ELV	25, 38, <20, <20	mg/L	yes	
			BOD	22/01/2015, 14/04/2015, 09/07/2015	2.6	All values < ELV	1.3, 1.7, <1.0, <1.0	mg/L	yes	
			Suspended Solids	22/01/2015, 14/04/2015, 09/07/2015	50	All values < ELV	<8, <8, 9, <4	mg/L	yes	
			Fluoride	14/04/2015	0.5	All values < ELV	0.21	mg/L	yes	
			Sulphate	14/04/2015	200	All values < ELV	27	mg/L	yes	
			Aluminium	14/04/2015	N/A	All values < ELV	41	µg/L	yes	
			Barium	14/04/2015	1000	All values < ELV	130	µg/L	yes	
			Calcium	14/04/2015	N/A	All values < ELV	120	mg/L	yes	
			Cobalt	14/04/2015	N/A	All values < ELV	<1.0	µg/L	yes	
			Iron	14/04/2015	2000	All values < ELV	250	µg/L	yes	
			Magnesium	14/04/2015	N/A	All values < ELV	8.8	mg/L	yes	
			Manganese	14/04/2015	1000	All values < ELV	46	µg/L	yes	
			Potassium	14/04/2015	N/A	All values < ELV	5.5	mg/L	yes	
			Selenium	14/04/2015	10	All values < ELV	<1.0	µg/L	yes	
			Sodium	14/04/2015	200	All values < ELV	31	mg/L	yes	
			Antimony	14/04/2015	5	All values < ELV	<1.0	µg/L	yes	
	SELECT	SELECT	Total Heavy Metals	14/04/2015	Various	All values < ELV	All < ELV	SELECT	yes	
S10	downstream	SELECT	Temperature	22/01/2015, 14/04/2015, 09/07/2015	Temperature shall exc	All values < ELV	5.0, 9.3, 12.5, 9.8	degrees C	yes	
			Dissolved Oxygen	22/01/2015, 14/04/2015, 09/07/2015		All values < ELV	93, 95, 95, 90		yes	
			pH	22/01/2015, 14/04/2015, 09/07/2015	6.0-9.0	All values < ELV	7.8, 7.7, 7.7, 7.5	pH units	yes	
			Conductivity	22/01/2015, 14/04/2015, 09/07/2015	1000	All values < ELV	639, 628, 663, 697	µS/cm @20oC	yes	
			Ammonia (as N)	22/01/2015, 14/04/2015, 09/07/2015	0.14	All values < ELV	0.077, 0.042, 0.051, 0.026	mg/L	yes	

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			Chloride	22/01/2015, 14/04/2015, 09/07/2015	250	All values < ELV	nr, 25, 29, 24	mg/L	yes
			Ortho-phosphate (as PO4)	14/04/2015	0.06	All values < ELV	0.026	mg/L	yes
			Total Oxidised Nitrogen	14/04/2015	No abnormal Change	All values < ELV	3	mg/L	yes
			COD	22/01/2015, 14/04/2015, 09/07/2015	40	All values < ELV	27, 33, <20, <20	mg/L	yes
			BOD	22/01/2015, 14/04/2015, 09/07/2015	2.6	All values < ELV	<1.0, <1.0, 1.4, , 1.0	mg/L	yes
			Suspended Solids	22/01/2015, 14/04/2015, 09/07/2015	50	All values < ELV	<8, <8, <8, , 4	mg/L	yes
			Fluoride	14/04/2015	0.5	All values < ELV	<0.020	mg/L	yes
			Sulphate	14/04/2015	200	All values < ELV	19	mg/L	yes
			Aluminium	14/04/2015	N/A	All values < ELV	31	µg/L	yes
			Barium	14/04/2015	1000	All values < ELV	130	µg/L	yes
			Calcium	14/04/2015	N/A	All values < ELV	120	mg/L	yes
			Cobalt	14/04/2015	N/A	All values < ELV	<1.0	µg/L	yes
			Iron	14/04/2015	2000	All values < ELV	270	µg/L	yes
			Magnesium	14/04/2015	N/A	All values < ELV	7.2	mg/L	yes
			Manganese	14/04/2015	1000	All values < ELV	47	µg/L	yes
			Potassium	14/04/2015	N/A	All values < ELV	3	mg/L	yes
			Selenium	14/04/2015	10	All values < ELV	<1.0	µg/L	yes
			Sodium	14/04/2015	200	All values < ELV	12	mg/L	yes
			Antimony	14/04/2015	5	All values < ELV	<1.0	µg/L	yes
	SELECT	SELECT	Total Heavy Metals	14/04/2015	Various	All values < ELV	All < ELV	SELECT	yes
S28	downstream	SELECT	Temperature	22/01/2015, 14/04/2015, 09/07/2015	Temperature shall exc	All values < ELV	0.9, 11.3, 19.1, 11.4	degrees C	yes
			Dissolved Oxygen	22/01/2015, 14/04/2015, 09/07/2015		All values < ELV	110, 97, 120, 110		yes
			pH	22/01/2015, 14/04/2015, 09/07/2015	6.0-9.0	All values < ELV	7.9, 7.6, 8.6, 7.4	pH units	yes
			Conductivity	22/01/2015, 14/04/2015, 09/07/2015	1000	All values < ELV	375, 335, 234, 252	µS/cm @20oC	yes
			Ammonia (as N)	22/01/2015, 14/04/2015, 09/07/2015	0.14	All values < ELV	0.022, ,0.020, 0.089, <0.020	mg/L	yes
			Chloride	22/01/2015, 14/04/2015, 09/07/2015	250	All values < ELV	nr, 29, 27, 26	mg/L	yes
			Ortho-phosphate (as PO4)	14/04/2015	0.06	All values < ELV	<0.010	mg/L	yes
			Total Oxidised Nitrogen	14/04/2015	No abnormal Change	All values < ELV	<0.20	mg/L	yes
			COD	22/01/2015, 14/04/2015, 09/07/2015	40	All values < ELV	<20, 22, 29, 27	mg/L	yes
			BOD	22/01/2015, 14/04/2015, 09/07/2015	2.6	All values < ELV	<1.0, <1.0, 2.5, <1.0	mg/L	yes
			Suspended Solids	22/01/2015, 14/04/2015, 09/07/2015	50	All values < ELV	,8, <8, <8, <4	mg/L	yes
			Fluoride	14/04/2015	0.5	All values < ELV	<0.20	mg/L	yes
			Sulphate	14/04/2015	200	All values < ELV	25	mg/L	yes
			Aluminium	14/04/2015	N/A	All values < ELV	17	µg/L	yes
			Barium	14/04/2015	1000	All values < ELV	44	µg/L	yes
			Calcium	14/04/2015	N/A	All values < ELV	45	mg/L	yes
			Cobalt	14/04/2015	N/A	All values < ELV	<1.0	µg/L	yes
			Iron	14/04/2015	2000	All values < ELV	32	µg/L	yes
			Magnesium	14/04/2015	N/A	All values < ELV	4.2	mg/L	yes
			Manganese	14/04/2015	1000	All values < ELV	22	µg/L	yes
			Potassium	14/04/2015	N/A	All values < ELV	1.5	mg/L	yes
			Selenium	14/04/2015	10	All values < ELV	<1.0	µg/L	yes
			Sodium	14/04/2015	200	All values < ELV	19	mg/L	yes
			Antimony	14/04/2015	5	All values < ELV	<1.0	µg/L	yes
	SELECT	SELECT	Total Heavy Metals	14/04/2015	Various	All values < ELV	All < ELV	SELECT	yes
S29	downstream	SELECT	Temperature	22/01/2015, 14/04/2015, 09/07/2015	Temperature shall exc	All values < ELV	10.0, 2.5, 10.4, 16.6	degrees C	yes
			Dissolved Oxygen	22/01/2015, 14/04/2015, 09/07/2015		All values < ELV	93, 91, 85, 121		yes
			pH	22/01/2015, 14/04/2015, 09/07/2015	6.0-9.0	All values < ELV	7.4, 7.4, 7.4, 7.5	pH units	yes

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			Conductivity	22/01/2015, 14/04/2015, 09/07/2015	1000	All values < ELV	586, 586, 586, 497	µS/cm @20oC	yes	
			Ammonia (as N)	22/01/2015, 14/04/2015, 09/07/2015	0.14	All values < ELV	0.45, 0.79, 0.39, 0.15	mg/L	(if no please enter details in comments)	Organic input from site, forestry, roads, agriculture and commercial properties in the area.
			Chloride	22/01/2015, 14/04/2015, 09/07/2015	250	All values < ELV	16, nr, 27, 16	mg/L	yes	
			Ortho-phosphate (as PO4)	14/04/2015	0.06	All values < ELV	<0.010	mg/L	yes	
			Total Oxidised Nitrogen	14/04/2015	No abnormal Change	All values < ELV	0.34	mg/L	yes	
			COD	22/01/2015, 14/04/2015, 09/07/2015	40	All values < ELV	27, 48, 57, 54	mg/L	yes	
			BOD	22/01/2015, 14/04/2015, 09/07/2015	2.6	All values < ELV	<1.0, 1.3, 1.7, 2.5	mg/L	yes	
			Suspended Solids	22/01/2015, 14/04/2015, 09/07/2015	50	All values < ELV	4, <8, <8, <3	mg/L	yes	
			Fluoride	14/04/2015	0.5	All values < ELV	<0.20	mg/L	yes	
			Sulphate	14/04/2015	200	All values < ELV	17	mg/L	yes	
			Aluminium	14/04/2015	N/A	All values < ELV	120	µg/L	yes	
			Barium	14/04/2015	1000	All values < ELV	160	µg/L	yes	
			Calcium	14/04/2015	N/A	All values < ELV	110	mg/L	yes	
			Cobalt	14/04/2015	N/A	All values < ELV	<1.0	µg/L	yes	
			Iron	14/04/2015	2000	All values < ELV	540	µg/L	yes	
			Magnesium	14/04/2015	N/A	All values < ELV	6.2	mg/L	yes	
			Manganese	14/04/2015	1000	All values < ELV	130	µg/L	yes	
			Potassium	14/04/2015	N/A	All values < ELV	1.7	mg/L	yes	
			Selenium	14/04/2015	10	All values < ELV	<1.0	µg/L	yes	
			Sodium	14/04/2015	200	All values < ELV	15	mg/L	yes	
			Antimony	14/04/2015	5	All values < ELV	<1.0	µg/L	yes	
	SELECT	SELECT	Total Heavy Metals	14/04/2015	Various	All values < ELV	All < ELV	µg/L	yes	
S30	downstream	SELECT	Temperature	22/01/2015, 14/04/2015, 09/07/2015	Temperature shall exc	All values < ELV	8.4, 11.0, 18.4, 9.3	degrees C	yes	
			Dissolved Oxygen	22/01/2015, 14/04/2015, 09/07/2015		All values < ELV	93, 98, 120, 100		yes	
			pH	22/01/2015, 14/04/2015, 09/07/2015	6.0-9.0	All values < ELV	7.2, 7.5, 7.3, 7.2	pH units	yes	
			Conductivity	22/01/2015, 14/04/2015, 09/07/2015	1000	All values < ELV	793, 561, 673, 482	µS/cm @20oC	yes	
			Ammonia (as N)	22/01/2015, 14/04/2015, 09/07/2015	0.14	All values < ELV	1.7, 0.73, 0.92, 0.26	mg/L	(if no please enter details in comments)	Fully engineered cells in area. Breakdown of organics in bog most probably contributing to elevated concentrations
			Chloride	22/01/2015, 14/04/2015, 09/07/2015	250	All values < ELV	nr, 141, 20, 12	mg/L	yes	
			Ortho-phosphate (as PO4)	14/04/2015	0.06	All values < ELV	<0.010	mg/L	yes	
			Total Oxidised Nitrogen	14/04/2015	No abnormal Change	All values < ELV	0.42	mg/L	yes	
			COD	22/01/2015, 14/04/2015, 09/07/2015	40	All values < ELV	29, 56, 32, 28	mg/L	yes	
			BOD	22/01/2015, 14/04/2015, 09/07/2015	2.6	All values < ELV	<1.0, 3.2, 1.5, 1	mg/L	(if no please enter details in comments)	Fully engineered cells in area. Breakdown of organics in bog most probably contributing to elevated concentrations
			Suspended Solids	22/01/2015, 14/04/2015, 09/07/2015	50	All values < ELV	51, 13, , 8, 6	mg/L	yes	
			Fluoride	14/04/2015	0.5	All values < ELV	0.23	mg/L	yes	
			Sulphate	14/04/2015	200	All values < ELV	20	mg/L	yes	
			Aluminium	14/04/2015	N/A	All values < ELV	260	µg/L	yes	
			Barium	14/04/2015	1000	All values < ELV	160	µg/L	yes	
			Calcium	14/04/2015	N/A	All values < ELV	92	mg/L	yes	
			Cobalt	14/04/2015	N/A	All values < ELV	<1.0	µg/L	yes	
			Iron	14/04/2015	2000	All values < ELV	600	µg/L	yes	
			Magnesium	14/04/2015	N/A	All values < ELV	5.9	mg/L	yes	
			Manganese	14/04/2015	1000	All values < ELV	210	µg/L	yes	
			Potassium	14/04/2015	N/A	All values < ELV	8.6	mg/L	yes	
			Selenium	14/04/2015	10	All values < ELV	<1.0	µg/L	yes	
			Sodium	14/04/2015	200	All values < ELV	24	mg/L	yes	
			Antimony	14/04/2015	5	All values < ELV	<1.0	µg/L	yes	
	SELECT	SELECT	Total Heavy Metals	14/04/2015	Various	All values < ELV	All < ELV	µg/L	yes	
S31	downstream	SELECT	Temperature	22/01/2015, 14/04/2015, 09/07/2015	Temperature shall exc	All values < ELV	5.2, 10.9, 18.4, 8.8	degrees C	yes	

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		Dissolved Oxygen	22/01/2015, 14/04/2015, 09/07/2015		All values < ELV	107, 97, 120, 97	yes		
		pH	22/01/2015, 14/04/2015, 09/07/2015	6.0-9.0	All values < ELV	7.4, 7.3, 7.3, 7.4	pH units	yes	
		Conductivity	22/01/2015, 14/04/2015, 09/07/2015	1000	All values < ELV	655, 548, 673, 445	µS/cm @20oC	yes	
		Ammonia (as N)	22/01/2015, 14/04/2015, 09/07/2015	0.14	All values < ELV	1.4, 0.75, 0.92, 1.1	mg/L	(If no please enter details in comments)	Fully engineered cells in area. Breakdown of organics in bog most probably contributing to elevated concentrations
		Chloride	22/01/2015, 14/04/2015, 09/07/2015	250	All values < ELV	nr, 43, 32, 45	mg/L	yes	
		Ortho-phosphate (as PD4)	14/04/2015	0.06	All values < ELV	<0.010	mg/L	yes	
		Total Oxidised Nitrogen	15/04/2015	No abnormal Change	All values < ELV	0.43	mg/L	yes	
		COD	22/01/2015, 14/04/2015, 09/07/2015	40	All values < ELV	36, 53, 32, 45	mg/L	yes	
		BOD	22/01/2015, 14/04/2015, 09/07/2015	2.6	All values < ELV	1.2, 3.1, 1.5, 4.6	mg/L	(If no please enter details in comments)	One exceedence may be due to stagnant water in drain
		Suspended Solids	22/01/2015, 14/04/2015, 09/07/2015	50	All values < ELV	<8, 16, <8, 19	mg/L	yes	
		Fluoride	14/04/2015	0.5	All values < ELV	0.26	mg/L	yes	
		Sulphate	14/04/2015	N/A	All values < ELV	20	mg/L	yes	
		Aluminium	14/04/2015	200	All values < ELV	270	µg/L	yes	
		Barium	14/04/2015	1000	All values < ELV	130	µg/L	yes	
		Calcium	14/04/2015	N/A	All values < ELV	88	mg/L	yes	
		Cobalt	14/04/2015	N/A	All values < ELV	<1	µg/L	yes	
		Iron	14/04/2015	2000	All values < ELV	470	µg/L	yes	
		Magnesium	14/04/2015	N/A	All values < ELV	5.8	mg/L	yes	
		Manganese	14/04/2015	1000	All values < ELV	110	µg/L	yes	
		Potassium	14/04/2015	N/A	All values < ELV	1.6	mg/L	yes	
		Selenium	14/04/2015	10	All values < ELV	<1.0	µg/L	yes	
		Sodium	14/04/2015	200	All values < ELV	25	mg/L	yes	
		Antimony	14/04/2015	5	All values < ELV	<1.0	µg/L	yes	
	SELECT	SELECT	Total Heavy Metals	14/04/2015	Various	All values < ELV	All < ELV	µg/L	yes

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

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

Date of inspection	Description of contamination	Source of contamination	Corrective action	Comments
Location Reference			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 yes please provide brief details in the comment section of Table W3 below	No	Additional information
4	Was all monitoring carried out in accordance with EPA guidance and checklists for Quality of Aqueous Monitoring Data Reported to the EPA? If no please detail what areas require improvement in additional information box	Yes	<a href="#">External/Internal Lab Quality checklist</a> <a href="#">Assessment of results checklist</a>

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

Emission reference no:	Emission released to	Parameter/ Substance Note 1	Type of sample	Frequency of monitoring	Averaging period	ELV or trigger values in licence or any revision thereof <sup>Note 2</sup>	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Method of analysis	Procedural reference source	Procedural reference standard number
	SELECT	SELECT	SELECT		SELECT		SELECT		SELECT	SELECT	SELECT	SELECT	

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

**Note 2: Where Emission Limit Values (ELV) do not apply to your licence please compare results against EQS for Surface water or relevant** Additional Information  
 5 **Continuous monitoring**

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

6 **If yes please summarise your continuous monitoring data below in Table W4 and compare it to its relevant Emission Limit Value (ELV)**  
 7 Did continuous monitoring equipment experience downtime? **If yes please record downtime in table W4 below**  
 8 Do you have a proactive service contract for each piece of continuous monitoring equipment on site?

No	
No	
No	

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

**Table W4: Summary of average emissions -continuous monitoring**

	Emission released to	Parameter/ Substance	ELV or trigger values in licence or any revision thereof	Averaging Period	Compliance Criteria	Units of measurement	Annual Emission for current reporting year (kg)	% change +/- from previous reporting year	Monitoring Equipment downtime (hours)	Number of ELV exceedences in reporting year	Comments
Emission reference no:	<input type="text" value="SELECT"/>	<input type="text" value="SELECT"/>		<input type="text" value="SELECT"/>	<input type="text" value="SELECT"/>	<input type="text" value="SELECT"/>					
	<input type="text" value="SELECT"/>	<input type="text" value="SELECT"/>		<input type="text" value="SELECT"/>	<input type="text" value="SELECT"/>	<input type="text" value="SELECT"/>					

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

**Table W5: Abatement system bypass reporting table**

Date	Duration (hours)	Location	Resultant emissions	Reason for bypass	Corrective action*	Was a report submitted to the EPA?	When was this report submitted?
						<input type="text" value="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)

- 1
- 2 Please provide integrity testing frequency period  
Does the site maintain a register of bunds, underground pipelines (including stormwater and foul), Tanks, sumps and containers? (containers refers to "Chemstore" type units and mobile bunds)
- 3
- 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?

Yes	
3 years	as per condition 3.11.5
Yes	
6	
All	
1	
No	Bunds Regularly Changed
N/A	
N/a	
SELECT	
SELECT	
SELECT	

**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)
1A	reinforced concrete		Green waste			Hydraulic test		02/09/2015	Yes	Pass		SELECT		
1B	reinforced concrete		Green waste			Hydraulic test		02/09/2015	Yes	Pass				
1C	reinforced concrete		Green waste			Hydraulic test		02/09/2015	Yes	Pass				
2	reinforced concrete		Waste quarantine			Hydraulic test		02/09/2015	Yes	Pass				
3	reinforced concrete		Waste inspection			Hydraulic test		02/09/2015	Yes	Pass				
4	reinforced concrete		Waste oil bund			Hydraulic test		02/09/2015	Yes	Pass		SELECT		

\* Capacity required should comply with 25% or 110% containment rule as detailed in your licence

- 15 Has integrity testing been carried out in accordance with licence requirements and are all structures tested in line with BS8007/EPA Guidance?

[bunding and storage guidelines](#)

- 16 Are channels/transfer systems to remote containment systems tested?
- 17 Are channels/transfer systems compliant in both integrity and available volume?

Commentary	
Yes	
Yes	
Yes	

**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 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 for process and foul 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

<b>Groundwater/Soil monitoring template</b>	Lic No: W0026-03	Year: 2015
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			Comments	
1	Are you required to carry out groundwater monitoring as part of your licence requirements?	yes	Please provide an interpretation of groundwater monitoring data in the interpretation box below or if you require additional space please include a groundwater/contaminated land monitoring results interpretaion as an additional section in this AER	
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 <a href="#">Groundwater monitoring template</a> Report (link in cell G8) and submit separately through ALDER as a licensee return AND answer questions 5-12 below.	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?	yes		Condition 12.2.2
9	Has any type of risk assesment been carried out for the site?	yes		Completed Groundwater Screening Assessment in 2013
10	Has a Conceptual Site Model been developed for the site?	yes		Completed as part of Groundwater Screening Assessment in 2013
11	Have potential receptors been identified on and off site?	yes		Included in Groundwater Screening Assessment in 2013
12	Is there evidence that contamination is migrating offsite?	no		

The results for groundwater sampling completed by the Agency in 2015 indicated that the concentrations of contaminants of concern are consistent with historic analysis results for the site. The results indicated that a number of paramaters (e.g., ammonia, aluminium, iron, manganese and arsenic) in some down gradient wells in the south of the site exceeded the appropriate IGV or DWS. However, a number of these parameters are also elevated in the area background well (G4). Similarly, a number of parameters that were greater than the IGV and/or the Drinking Water Standrads at down gradient wells in the north of the site were also elevated in the background well in that area of the site (G14). All List I/II organic substances were less than the laboratory method detection limit and the majority of List I/II inorganic substance concentrations were less than the appropriate IGV and/or DWS. The results for 2015 indicated no increasing trend in groundwater parameters on site.

**Table 1: Upgradient Groundwater monitoring results**

Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration++	Average Concentration+	unit	GTV's*	DWS	Upward trend in pollutant concentration over last 5 years of monitoring data
22/01/15; 14/04/15; 13/07/15	G4	Temp	Purged Sample	Quarterly	11.1	10.6	degrees C	25	IGV	No
		DO	Purged Sample	Quarterly	22	16.5	% Saturation	N/A	IGV	No



Groundwater/Soil monitoring template				Lic No:	W0026-03	Year	2015			
		pH	Purged Sample	Quarterly	7.6	7.4	pH	>6.0-<9.0	IGV	No
		Conductivity	Purged Sample	Quarterly	615	562	uS/cm	1875	IGV	No
		Ammonia	Purged Sample	Quarterly	3.4	3.2	mg/l	0.175	IGV	No
		Chloride	Purged Sample	Quarterly	16	13.3	mg/l	187.5	IGV	No
		Ortho-phosphate	Purged Sample	Annually	<0.010	<0.010	mg/l	0.035	IGV	No
		TON	Purged Sample	Annually	<0.20	0.42	mg/l	No Abnormal Change	IGV	No
		TOC	Purged Sample	Quarterly	6.7	6	mg/l	No Abnormal Change	IGV	No
		Alkalinity	Purged Sample	Annually	250	250	mg/l	200	DWS	No
		Fluoride	Purged Sample	Annually	0.89	0.89	mg/l	1	IGV	No
		Sulphate	Purged Sample	Annually	2	2	mg/l	187.5	IGV	No
		Coliforms	Purged Sample	Annually	<10	<10	no./100ml	0	IGV	No
		Aluminium	Purged Sample	Annually	2100	2100	ug/l	150	IGV	No
		Arsenic	Purged Sample	Annually	6.3	6.3	ug/l	7.5	IGV	No
		Barium	Purged Sample	Annually	560	560	ug/l		IGV	No
		Beryllium	Purged Sample	Annually	<1.0	<1.0	ug/l		IGV	No
		Boron	Purged Sample	Annually	73	73	ug/l	750	IGV	No
		Cadmium	Purged Sample	Annually	0.08	0.08	ug/l	3.8	IGV	No
		Calcium	Purged Sample	Annually	92	92	Mg/l	200	DWS	No
		Cobalt	Purged Sample	Annually	1.2	1.2	ug/l		IGV	No
		Iron	Purged Sample	Annually	4300	4300	ug/l	200	IGV	No
		Lead	Purged Sample	Annually	3.4	3.4	ug/l	18.8	IGV	No
		Magnesium	Purged Sample	Annually	12	12	mg/l	50	IGV	No
		Manganese	Purged Sample	Annually	210	210	ug/l	50	IGV	No
		Nickel	Purged Sample	Annually	3.3	3.3	ug/l	15	IGV	No
		Potassium	Purged Sample	Annually	2.3	2.3	mg/l	5	IGV	No
		Selenium	Purged Sample	Annually	<1.0	<1.0	ug/l		IGV	No
		Sodium	Purged Sample	Annually	14	14	mg/l	150	IGV	No
		Strontium	Purged Sample	Annually	940	940	ug/l		IGV	No

Groundwater/Soil monitoring template			Lic No:	W0026-03	Year	2015				
		Thallium	Purged Sample	Annually	<1.0	<1.0	ug/l		IGV	No
		Uranium	Purged Sample	Annually	<1.0	<1.0	ug/l	9	IGV	No
		Vanadium	Purged Sample	Annually	3.8	3.8	ug/l		IGV	No
		Mercury	Purged Sample	Annually	<0.50	<0.50	ug/l	0.8	IGV	No
		Antimony	Purged Sample	Annually	<1.0	<1.0	ug/l		IGV	No
		Chromium	Purged Sample	Annually	6.7	6.7	ug/l	37.5	IGV	No
		Copper	Purged Sample	Annually	2.3	2.3	ug/l	1500	IGV	No
		Zinc	Purged Sample	Annually	29	29	ug/l	100	IGV	No
	G14	Temp.	Purged Sample	Quarterly	11.6	10.8	degrees C	25	IGV	No
		DO	Purged Sample	Quarterly	104	82.5	% Saturation	N/A	IGV	No
		pH	Purged Sample	Quarterly	8	7.8	pH	>6.0-<9.0	IGV	No
		Conductivity	Purged Sample	Quarterly	502	428	uS/cm	1875	IGV	No
		Ammonia	Purged Sample	Quarterly	2.3	1.9	mg/l	0.175	IGV	No
		Chloride	Purged Sample	Quarterly	16	14.3	mg/l	187.5	IGV	No
		Ortho-phosphate	Purged Sample	Annually	<0.010	<0.010	mg/l	0.035	IGV	No
		TON	Purged Sample	Annually	<0.20	<0.20	mg/l	No Abnormal Change	IGV	No
		TOC	Purged Sample	Quarterly	3.6	3.2	mg/l	No Abnormal Change	IGV	No
		Alkalinity	Purged Sample	Annually	180	180	mg/l	200	DWS	No
		Fluoride	Purged Sample	Annually	1.5	1.5	mg/l	1	IGV	No
		Sulphate	Purged Sample	Annually	19	19	mg/l	187.5	IGV	No
		Coliforms	Purged Sample	Annually	10	10	no./100ml	0	IGV	No
		Aluminium	Purged Sample	Annually	370	370	ug/l	150	IGV	No
		Arsenic	Purged Sample	Annually	2	2	ug/l	7.5	IGV	No
		Barium	Purged Sample	Annually	1100	1100	ug/l		IGV	No
		Beryllium	Purged Sample	Annually	<1.0	<1.0	ug/l		IGV	No
		Boron	Purged Sample	Annually	180	180	ug/l	750	IGV	No
		Cadmium	Purged Sample	Annually	0.03	0.03	ug/l	3.8	IGV	No

Groundwater/Soil monitoring template				Lic No:	W0026-03	Year	2015			
		Calcium	Purged Sample	Annually	33	33	Mg/l	200	DWS	No
		Cobalt	Purged Sample	Annually	<1.0	<1.0	ug/l		IGV	No
		Iron	Purged Sample	Annually	11000	11000	ug/l	200	IGV	No
		Lead	Purged Sample	Annually	<1.0	<1.0	ug/l	18.8	IGV	No
		Magnesium	Purged Sample	Annually	10	10	mg/l	50	IGV	No
		Manganese	Purged Sample	Annually	94	94	ug/l	50	IGV	No
		Nickel	Purged Sample	Annually	8.6	8.6	ug/l	15	IGV	No
		Potassium	Purged Sample	Annually	3.3	3.3	mg/l	5	IGV	No
		Selenium	Purged Sample	Annually	<1.0	<1.0	ug/l		IGV	No
		Sodium	Purged Sample	Annually	52	52	mg/l	150	IGV	No
		Strontium	Purged Sample	Annually	750	750	ug/l		IGV	No
		Thallium	Purged Sample	Annually	<1.0	<1.0	ug/l		IGV	No
		Uranium	Purged Sample	Annually	<1.0	<1.0	ug/l	9	IGV	No
		Vanadium	Purged Sample	Annually	<1.0	<1.0	ug/l		IGV	No
		Mercury	Purged Sample	Annually	<0.50	<0.50	ug/l	0.8	IGV	No
		Antimony	Purged Sample	Annually	<1.0	<1.0	ug/l		IGV	No
		Chromium	Purged Sample	Annually	2.6	2.6	ug/l	37.5	IGV	No
		Copper	Purged Sample	Annually	3.2	3.2	ug/l	1500	IGV	No
		Zinc	Purged Sample	Annually	59	59	ug/l	100	IGV	No
	Whealans Deep	Temp.	Purged Sample	Quarterly	11.5	11.5	degrees C	25	IGV	No
		DO	Purged Sample	Quarterly	28	28	% Saturation	N/A	IGV	No
		pH	Purged Sample	Quarterly	7.4	7.4	pH	>6.0-<9.0	IGV	No
		Conductivity	Purged Sample	Quarterly	618	618	uS/cm	1875	IGV	No
		Ammonia	Purged Sample	Quarterly	0.28	0.28	mg/l	0.175	IGV	No
		Chloride	Purged Sample	Quarterly	18	18	mg/l	187.5	IGV	No
		Ortho-phosphate	Purged Sample	Annually	<0.010	<0.010	mg/l	0.035	IGV	No
		TON	Purged Sample	Annually	<0.20	<0.20	mg/l	No Abnormal Change	IGV	No

Groundwater/Soil monitoring template				Lic No:	W0026-03	Year	2015			
		TOC	Purged Sample	Quarterly	<1.0	<1.0	mg/l	No Abnormal Change	IGV	No
		Alkalinity	Purged Sample	Annually	284	284	mg/l	200	DWS	No
		Fluoride	Purged Sample	Annually	2.3	2.3	mg/l	1	IGV	No
		Sulphate	Purged Sample	Annually	28	28	mg/l	187.5	IGV	No
		Coliforms	Purged Sample	Annually	<10	<10	no./100ml	0	IGV	No
		Aluminium	Purged Sample	Annually	<10	<10	ug/l	150	IGV	No
		Arsenic	Purged Sample	Annually	<1.0	<1.0	ug/l	7.5	IGV	No
		Barium	Purged Sample	Annually	82	82	ug/l		IGV	No
		Beryllium	Purged Sample	Annually	<1.0	<1.0	ug/l		IGV	No
		Boron	Purged Sample	Annually	390	390	ug/l	750	IGV	No
		Cadmium	Purged Sample	Annually	<0.020	<0.020	ug/l	3.8	IGV	No
		Calcium	Purged Sample	Annually	54	54	Mg/l	200	DWS	No
		Cobalt	Purged Sample	Annually	<1.0	<1.0	ug/l		IGV	No
		Iron	Purged Sample	Annually	41	41	ug/l	200	IGV	No
		Lead	Purged Sample	Annually	<1.0	<1.0	ug/l	18.8	IGV	No
		Magnesium	Purged Sample	Annually	44	44	mg/l	50	IGV	No
		Manganese	Purged Sample	Annually	13	13	ug/l	50	IGV	No
		Nickel	Purged Sample	Annually	,1.0	,1.0	ug/l	15	IGV	No
		Potassium	Purged Sample	Annually	3.9	3.9	mg/l	5	IGV	No
		Selenium	Purged Sample	Annually	<1.0	<1.0	ug/l		IGV	No
		Sodium	Purged Sample	Annually	32	32	mg/l	150	IGV	No
		Strontium	Purged Sample	Annually	>10000	>10000	ug/l		IGV	No
		Thallium	Purged Sample	Annually	<1.0	<1.0	ug/l		IGV	No
		Uranium	Purged Sample	Annually	<1.0	<1.0	ug/l	9	IGV	No
		Vanadium	Purged Sample	Annually	<1.0	<1.0	ug/l		IGV	No
		Mercury	Purged Sample	Annually	<0.50	<0.50	ug/l	0.8	IGV	No
		Antimony	Purged Sample	Annually	<1.0	<1.0	ug/l		IGV	No
		Chromium	Purged Sample	Annually	3.4	3.4	ug/l	37.5	IGV	No

Groundwater/Soil monitoring template			Lic No:	W0026-03	Year	2015				
		Copper	Purged Sample	Annually	<1.0	<1.0	ug/l	1500	IGV	No
		Zinc	Purged Sample	Annually	99	99	ug/l	100	IGV	No
	Whealans shallow	Temp.	Purged Sample	Quarterly	9.9	9.9	degrees C	25	IGV	No
		DO	Purged Sample	Quarterly	19	19	% Saturation	N/A	IGV	No
		pH	Purged Sample	Quarterly	7.3	7.3	pH	>6.0-<9.0	IGV	No
		Conductivity	Purged Sample	Quarterly	70	70	uS/cm	1875	IGV	No
		Ammonia	Purged Sample	Quarterly	0.039	0.039	mg/l	0.175	IGV	No
		Chloride	Purged Sample	Quarterly	24	24	mg/l	187.5	IGV	No
		Ortho-phosphate	Purged Sample	Annually	0.012	0.012	mg/l	0.035	IGV	No
		TON	Purged Sample	Annually	3.4	3.4	mg/l	No Abnormal Change	IGV	No
		TOC	Purged Sample	Quarterly	3.3	3.3	mg/l	No Abnormal Change	IGV	No
		Alkalinity	Purged Sample	Annually	310	310	mg/l	200	DWS	No
		Fluoride	Purged Sample	Annually	<.02	<.02	mg/l	1	IGV	No
		Sulphate	Purged Sample	Annually	13	13	mg/l	187.5	IGV	No
		Coliforms	Purged Sample	Annually	1300	1300	no./100ml	0	IGV	No
		Aluminium	Purged Sample	Annually	<10	<10	ug/l	150	IGV	No
		Arsenic	Purged Sample	Annually	<1.0	<1.0	ug/l	7.5	IGV	No
		Barium	Purged Sample	Annually	110	110	ug/l		IGV	No
		Beryllium	Purged Sample	Annually	<1.0	<1.0	ug/l		IGV	No
		Boron	Purged Sample	Annually	49	49	ug/l	750	IGV	No
		Cadmium	Purged Sample	Annually	0.41	0.41	ug/l	3.8	IGV	No
		Calcium	Purged Sample	Annually	140	140	Mg/l	200	DWS	No
		Cobalt	Purged Sample	Annually	<1.0	<1.0	ug/l		IGV	No
		Iron	Purged Sample	Annually	600	600	ug/l	200	IGV	No
		Lead	Purged Sample	Annually	10	10	ug/l	18.8	IGV	No
		Magnesium	Purged Sample	Annually	7.7	7.7	mg/l	50	IGV	No
		Manganese	Purged Sample	Annually	25	25	ug/l	50	IGV	No

Groundwater/Soil monitoring template				Lic No:	W0026-03	Year	2015			
		Nickel	Purged Sample	Annually	1.8	1.8	ug/l	15	IGV	No
		Potassium	Purged Sample	Annually	7.3	7.3	mg/l	5	IGV	No
		Selenium	Purged Sample	Annually	<1.0	<1.0	ug/l		IGV	No
		Sodium	Purged Sample	Annually	7.9	7.9	mg/l	150	IGV	No
		Strontium	Purged Sample	Annually	500	500	ug/l		IGV	No
		Thallium	Purged Sample	Annually	<1.0	<1.0	ug/l		IGV	No
		Uranium	Purged Sample	Annually	<1.0	<1.0	ug/l	9	IGV	No
		Vanadium	Purged Sample	Annually	<1.0	<1.0	ug/l		IGV	No
		Mercury	Purged Sample	Annually	<0.50	<0.50	ug/l	0.8	IGV	No
		Antimony	Purged Sample	Annually	<1.0	<1.0	ug/l		IGV	No
		Chromium	Purged Sample	Annually	12	12	ug/l	37.5	IGV	No
		Copper	Purged Sample	Annually	84	84	ug/l	1500	IGV	No
		Zinc	Purged Sample	Annually	920	920	ug/l	100	IGV	No
							SELECT			SELECT

.+ 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
	G1	Temp.	Purged Sample	Quarterly	10.7	10.9	degrees C	25	IGV	No
		DO	Purged Sample	Quarterly	38	30.3	% Saturation	N/A	IGV	No
		pH	Purged Sample	Quarterly	7.2	7	pH	>6.0-<9.0	IGV	No
		Conductivity	Purged Sample	Quarterly	1036	1040	uS/cm	1875	IGV	No
		Ammonia	Purged Sample	Quarterly	0.99	1.06	mg/l	0.175	IGV	No
		Chloride	Purged Sample	Quarterly	66	71	mg/l	187.5	IGV	No
		Ortho-phosphate	Purged Sample	Annually	<0.010	<0.010	mg/l	0.035	IGV	No
		TON	Purged Sample	Annually	0.42	0.42	mg/l	No Abnormal Change	IGV	No

Groundwater/Soil monitoring template				Lic No:	W0026-03	Year	2015			
		TOC	Purged Sample	Quarterly	6.3	6.1	mg/l	No Abnormal Change	IGV	No
		Alkalinity	Purged Sample	Annually	428	428	mg/l	200	DWS	No
		Fluoride	Purged Sample	Annually	1.3	1.3	mg/l	1	IGV	No
		Sulphate	Purged Sample	Annually	44	44	mg/l	187.5	IGV	No
		Coliforms	Purged Sample	Annually	<10	<10	no./100ml	0	IGV	No
		Aluminium	Purged Sample	Annually	530	530	ug/l	150	IGV	No
		Arsenic	Purged Sample	Annually	1.1	1.1	ug/l	7.5	IGV	No
		Barium	Purged Sample	Annually	260	260	ug/l		IGV	No
		Beryllium	Purged Sample	Annually	<1.0	<1.0	ug/l		IGV	No
		Boron	Purged Sample	Annually	290	290	ug/l	750	IGV	No
		Cadmium	Purged Sample	Annually	0.12	0.12	ug/l	3.8	IGV	No
		Calcium	Purged Sample	Annually	120	120	Mg/l	200	DWS	No
		Cobalt	Purged Sample	Annually	2.7	2.7	ug/l		IGV	No
		Iron	Purged Sample	Annually	1600	1600	ug/l	200	IGV	No
		Lead	Purged Sample	Annually	2.4	2.4	ug/l	18.8	IGV	No
		Magnesium	Purged Sample	Annually	53	53	mg/l	50	IGV	No
		Manganese	Purged Sample	Annually	200	200	ug/l	50	IGV	No
		Nickel	Purged Sample	Annually	14	14	ug/l	15	IGV	No
		Potassium	Purged Sample	Annually	4.5	4.5	mg/l	5	IGV	No
		Selenium	Purged Sample	Annually	<1.0	<1.0	ug/l		IGV	No
		Sodium	Purged Sample	Annually	52	52	mg/l	150	IGV	No
		Strontium	Purged Sample	Annually	8900	8900	ug/l		IGV	No
		Thallium	Purged Sample	Annually	<1.0	<1.0	ug/l		IGV	No
		Uranium	Purged Sample	Annually	<1.0	<1.0	ug/l	9	IGV	No
		Vanadium	Purged Sample	Annually	1.5	1.5	ug/l		IGV	No
		Mercury	Purged Sample	Annually	<0.50	<0.50	ug/l	0.8	IGV	No
		Antimony	Purged Sample	Annually	<1	<1	ug/l		IGV	No
		Chromium	Purged Sample	Annually	8.2	8.2	ug/l	37.5	IGV	No

Groundwater/Soil monitoring template			Lic No:	W0026-03	Year	2015					
		Copper	Purged Sample	Annually	4.2	4.2	ug/l	1500	IGV	No	
		Zinc	Purged Sample	Annually	28	28	ug/l	100	IGV	No	
	G12	Temp.	Purged Sample	Quarterly	11.4	10.9	degrees C	25	IGV	No	
		DO	Purged Sample	Quarterly	46	22.5	% Saturation	N/A	IGV	No	
		pH	Purged Sample	Quarterly	7.4	7.2	pH	>6.0-<9.0	IGV	No	
		Conductivity	Purged Sample	Quarterly	657	647	uS/cm	1875	IGV	No	
		Ammonia	Purged Sample	Quarterly	3.3	3.2	mg/l	0.175	IGV	No	
		Chloride	Purged Sample	Quarterly	30	29	mg/l	187.5	IGV	No	
		Ortho-phosphate	Purged Sample	Annually	<0.010	<0.010	mg/l	0.035	IGV	No	
		TON	Purged Sample	Annually	<0.20	<0.20	mg/l	No Abnormal Change	IGV	No	
		TOC	Purged Sample	Quarterly	4.8	4.5	mg/l	No Abnormal Change	IGV	No	
		Alkalinity	Purged Sample	Annually	297	297	mg/l	200	DWS	No	
		Fluoride	Purged Sample	Annually	0.62	0.62	mg/l	1	IGV	No	
		Sulphate	Purged Sample	Annually	5	5	mg/l	187.5	IGV	No	
		Coliforms	Purged Sample	Annually	10	10	no./100ml	0	IGV	No	
		Aluminium	Purged Sample	Annually	130	130	ug/l	150	IGV	No	
		Arsenic	Purged Sample	Annually	10	10	ug/l	7.5	IGV	No	
		Barium	Purged Sample	Annually	1000	1000	ug/l		IGV	No	
		Beryllium	Purged Sample	Annually	<1.0	<1.0	ug/l		IGV	No	
		Boron	Purged Sample	Annually	84	84	ug/l	750	IGV	No	
		Cadmium	Purged Sample	Annually	0.07	0.07	ug/l	3.8	IGV	No	
		Calcium	Purged Sample	Annually	100	100	Mg/l	200	DWS	No	
		Cobalt	Purged Sample	Annually	<1.0	<1.0	ug/l		IGV	No	
		Iron	Purged Sample	Annually	1900	1900	ug/l	200	IGV	No	
		Lead	Purged Sample	Annually	1.6	1.6	ug/l	18.8	IGV	No	
		Magnesium	Purged Sample	Annually	19	19	mg/l	50	IGV	No	
		Manganese	Purged Sample	Annually	510	510	ug/l	50	IGV	No	



Groundwater/Soil monitoring template				Lic No:	W0026-03	Year	2015			
		Nickel	Purged Sample	Annually	<1.0	<1.0	ug/l	15	IGV	No
		Potassium	Purged Sample	Annually	2.5	2.5	mg/l	5	IGV	No
		Selenium	Purged Sample	Annually	<1.0	<1.0	ug/l		IGV	No
		Sodium	Purged Sample	Annually	19	19	mg/l	150	IGV	No
		Strontium	Purged Sample	Annually	1300	1300	ug/l		IGV	No
		Thallium	Purged Sample	Annually	<1.0	<1.0	ug/l		IGV	No
		Uranium	Purged Sample	Annually	1.2	1.2	ug/l	9	IGV	No
		Vanadium	Purged Sample	Annually	<1.0	<1.0	ug/l		IGV	No
		Mercury	Purged Sample	Annually	<0.50	<0.50	ug/l	0.8	IGV	No
		Antimony	Purged Sample	Annually	<1.0	<1.0	ug/l		IGV	No
		Chromium	Purged Sample	Annually	4.5	4.5	ug/l	37.5	IGV	No
		Copper	Purged Sample	Annually	4.8	4.8	ug/l	1500	IGV	No
		Zinc	Purged Sample	Annually	24	24	ug/l	100	IGV	No
	G13	Temp.	Purged Sample	Quarterly	11.8	11.3	degrees C	25	IGV	No
		DO	Purged Sample	Quarterly	56	26.8	% Saturation	N/A	IGV	No
		pH	Purged Sample	Quarterly	6.8	6.8	pH	>6.0-<9.0	IGV	No
		Conductivity	Purged Sample	Quarterly	1164	1114	uS/cm	1875	IGV	No
		Ammonia	Purged Sample	Quarterly	4	4	mg/l	0.175	IGV	No
		Chloride	Purged Sample	Quarterly	19	19	mg/l	187.5	IGV	No
		Ortho-phosphate	Purged Sample	Annually	<0.010	<0.010	mg/l	0.035	IGV	No
		TON	Purged Sample	Annually	<0.20	<0.20	mg/l	No Abnormal Change	IGV	No
		TOC	Purged Sample	Quarterly	13.3	12	mg/l	No Abnormal Change	IGV	No
		Alkalinity	Purged Sample	Annually	554	554	mg/l	200	DWS	No
		Fluoride	Purged Sample	Annually	<0.4	<0.4	mg/l	1	IGV	No
		Sulphate	Purged Sample	Annually	53	53	mg/l	187.5	IGV	No
		Coliforms	Purged Sample	Annually	84	84	no./100ml	0	IGV	No
		Aluminium	Purged Sample	Annually	790	790	ug/l	150	IGV	No

Groundwater/Soil monitoring template				Lic No:	W0026-03	Year	2015			
		Arsenic	Purged Sample	Annually	8	8	ug/l	7.5	IGV	No
		Barium	Purged Sample	Annually	1700	1700	ug/l		IGV	No
		Beryllium	Purged Sample	Annually	<1.0	<1.0	ug/l		IGV	No
		Boron	Purged Sample	Annually	31	31	ug/l	750	IGV	No
		Cadmium	Purged Sample	Annually	0.12	0.12	ug/l	3.8	IGV	No
		Calcium	Purged Sample	Annually	210	210	Mg/l	200	DWS	No
		Cobalt	Purged Sample	Annually	1.3	1.3	ug/l		IGV	No
		Iron	Purged Sample	Annually	10000	10000	ug/l	200	IGV	No
		Lead	Purged Sample	Annually	2.4	2.4	ug/l	18.8	IGV	No
		Magnesium	Purged Sample	Annually	5.7	5.7	mg/l	50	IGV	No
		Manganese	Purged Sample	Annually	400	400	ug/l	50	IGV	No
		Nickel	Purged Sample	Annually	1.2	1.2	ug/l	15	IGV	No
		Potassium	Purged Sample	Annually	1.2	1.2	mg/l	5	IGV	No
		Selenium	Purged Sample	Annually	<1.0	<1.0	ug/l		IGV	No
		Sodium	Purged Sample	Annually	13	13	mg/l	150	IGV	No
		Strontium	Purged Sample	Annually	580	580	ug/l		IGV	No
		Thallium	Purged Sample	Annually	<1.0	<1.0	ug/l		IGV	No
		Uranium	Purged Sample	Annually	<1.0	<1.0	ug/l	9	IGV	No
		Vanadium	Purged Sample	Annually	4.1	4.1	ug/l		IGV	No
		Mercury	Purged Sample	Annually	<0.50	<0.50	ug/l	0.8	IGV	No
		Antimony	Purged Sample	Annually	<1.0	<1.0	ug/l		IGV	No
		Chromium	Purged Sample	Annually	14	14	ug/l	37.5	IGV	No
		Copper	Purged Sample	Annually	1.5	1.5	ug/l	1500	IGV	No
		Zinc	Purged Sample	Annually	24	24	ug/l	100	IGV	No
	G15	Temp.	Purged Sample	Quarterly	11.2	10.5	degrees C	25	IGV	No
		DO	Purged Sample	Quarterly	38	30	% Saturation	N/A	IGV	No
		pH	Purged Sample	Quarterly	7.5	7.4	pH	>6.0-<9.0	IGV	No
		Conductivity	Purged Sample	Quarterly	433	420	uS/cm	1875	IGV	No

Groundwater/Soil monitoring template				Lic No:	W0026-03	Year	2015		
	Ammonia	Purged Sample	Quarterly	1.8	1.6	mg/l	0.175	IGV	No
	Chloride	Purged Sample	Quarterly	10	10	mg/l	187.5	IGV	No
	Ortho-phosphate	Purged Sample	Annually	<0.010	<0.010	mg/l	0.035	IGV	No
	TON	Purged Sample	Annually	<0.20	<0.20	mg/l	No Abnormal Change	IGV	No
	TOC	Purged Sample	Quarterly	3.1	3.4	mg/l	No Abnormal Change	IGV	No
	Alkalinity	Purged Sample	Annually	202	202	mg/l	200	DWS	No
	Fluoride	Purged Sample	Annually	1.3	1.3	mg/l	1	IGV	No
	Sulphate	Purged Sample	Annually	<2	<2	mg/l	187.5	IGV	No
	Coliforms	Purged Sample	Annually	<10	<10	no./100ml	0	IGV	No
	Aluminium	Purged Sample	Annually	390	390	ug/l	150	IGV	No
	Arsenic	Purged Sample	Annually	8.3	8.3	ug/l	7.5	IGV	No
	Barium	Purged Sample	Annually	1200	1200	ug/l		IGV	No
	Beryllium	Purged Sample	Annually	<1.0	<1.0	ug/l		IGV	No
	Boron	Purged Sample	Annually	56	56	ug/l	750	IGV	No
	Cadmium	Purged Sample	Annually	0.15	0.15	ug/l	3.8	IGV	No
	Calcium	Purged Sample	Annually	80	80	Mg/l	200	DWS	No
	Cobalt	Purged Sample	Annually	1	1	ug/l		IGV	No
	Iron	Purged Sample	Annually	1900	1900	ug/l	200	IGV	No
	Lead	Purged Sample	Annually	2.8	2.8	ug/l	18.8	IGV	No
	Magnesium	Purged Sample	Annually	13	13	mg/l	50	IGV	No
	Manganese	Purged Sample	Annually	220	220	ug/l	50	IGV	No
	Nickel	Purged Sample	Annually	2.1	2.1	ug/l	15	IGV	No
	Potassium	Purged Sample	Annually	1.7	1.7	mg/l	5	IGV	No
	Selenium	Purged Sample	Annually	<1.0	<1.0	ug/l		IGV	No
	Sodium	Purged Sample	Annually	12	12	mg/l	150	IGV	No
	Strontium	Purged Sample	Annually	910	910	ug/l		IGV	No
	Thallium	Purged Sample	Annually	<1.0	<1.0	ug/l		IGV	No
	Uranium	Purged Sample	Annually	<1.0	<1.0	ug/l	9	IGV	No

Groundwater/Soil monitoring template				Lic No:	W0026-03	Year	2015			
		Vanadium	Purged Sample	Annually	1.6	1.6	ug/l		IGV	No
		Mercury	Purged Sample	Annually	<0.50	<0.50	ug/l	0.8	IGV	No
		Antimony	Purged Sample	Annually	<1.0	<1.0	ug/l		IGV	No
		Chromium	Purged Sample	Annually	4.2	4.2	ug/l	37.5	IGV	No
		Copper	Purged Sample	Annually	1.5	1.5	ug/l	1500	IGV	No
		Zinc	Purged Sample	Annually	28	28	ug/l	100	IGV	No
	G2	Temp.	Purged Sample	Quarterly	10.7	10.1	degrees C	25	IGV	No
		DO	Purged Sample	Quarterly	62	43	% Saturation	N/A	IGV	No
		pH	Purged Sample	Quarterly	7.5	7.5	pH	>6.0-<9.0	IGV	No
		Conductivity	Purged Sample	Quarterly	473	468	uS/cm	1875	IGV	No
		Ammonia	Purged Sample	Quarterly	0.72	0.6	mg/l	0.175	IGV	No
		Chloride	Purged Sample	Quarterly	11	10.5	mg/l	187.5	IGV	No
		Ortho-phosphate	Purged Sample	Annually	<0.010	<0.010	mg/l	0.035	IGV	No
		TON	Purged Sample	Annually	<0.20	<0.20	mg/l	No Abnormal Change	IGV	No
		TOC	Purged Sample	Quarterly	3.1	2.8	mg/l	No Abnormal Change	IGV	No
		Alkalinity	Purged Sample	Annually	246	246	mg/l	200	DWS	No
		Fluoride	Purged Sample	Annually	0.65	0.65	mg/l	1	IGV	No
		Sulphate	Purged Sample	Annually	<2	<2	mg/l	187.5	IGV	No
		Coliforms	Purged Sample	Annually	<10	<10	no./100ml	0	IGV	No
		Aluminium	Purged Sample	Annually	470	470	ug/l	150	IGV	No
		Arsenic	Purged Sample	Annually	2.3	2.3	ug/l	7.5	IGV	No
		Barium	Purged Sample	Annually	120	120	ug/l		IGV	No
		Beryllium	Purged Sample	Annually	<1	<1	ug/l		IGV	No
		Boron	Purged Sample	Annually	80	80	ug/l	750	IGV	No
		Cadmium	Purged Sample	Annually	0.22	0.22	ug/l	3.8	IGV	No
		Calcium	Purged Sample	Annually	66	66	Mg/l	200	DWS	No
		Cobalt	Purged Sample	Annually	1.4	1.4	ug/l		IGV	No

Groundwater/Soil monitoring template				Lic No:	W0026-03	Year	2015			
		Iron	Purged Sample	Annually	760	760	ug/l	200	IGV	No
		Lead	Purged Sample	Annually	3.1	3.1	ug/l	18.8	IGV	No
		Magnesium	Purged Sample	Annually	14	14	mg/l	50	IGV	No
		Manganese	Purged Sample	Annually	200	200	ug/l	50	IGV	No
		Nickel	Purged Sample	Annually	4.4	4.4	ug/l	15	IGV	No
		Potassium	Purged Sample	Annually	1.6	1.6	mg/l	5	IGV	No
		Selenium	Purged Sample	Annually	<1.0	<1.0	ug/l		IGV	No
		Sodium	Purged Sample	Annually	40	40	mg/l	150	IGV	No
		Strontium	Purged Sample	Annually	800	800	ug/l		IGV	No
		Thallium	Purged Sample	Annually	<1	<1	ug/l		IGV	No
		Uranium	Purged Sample	Annually	<1.0	<1.0	ug/l	9	IGV	No
		Vanadium	Purged Sample	Annually	2.3	2.3	ug/l		IGV	No
		Mercury	Purged Sample	Annually	<0.050	<0.050	ug/l	0.8	IGV	No
		Antimony	Purged Sample	Annually	<1.0	<1.0	ug/l		IGV	No
		Chromium	Purged Sample	Annually	4.1	4.1	ug/l	37.5	IGV	No
		Copper	Purged Sample	Annually	3.6	3.6	ug/l	1500	IGV	No
		Zinc	Purged Sample	Annually	33	33	ug/l	100	IGV	No
	G8	Temp.	Purged Sample	Quarterly	N/R	N/R	degrees C	25	IGV	No
		DO	Purged Sample	Quarterly	N/R	N/R	% Saturation	N/A	IGV	No
		pH	Purged Sample	Quarterly	N/R	N/R	pH	>6.0-<9.0	IGV	No
		Conductivity	Purged Sample	Quarterly	N/R	N/R	uS/cm	1875	IGV	No
		Ammonia	Purged Sample	Quarterly	N/R	N/R	mg/l	0.175	IGV	No
		Chloride	Purged Sample	Quarterly	N/R	N/R	mg/l	187.5	IGV	No
		Ortho-phosphate	Purged Sample	Annually	N/R	N/R	mg/l	0.035	IGV	No
		TON	Purged Sample	Annually	N/R	N/R	mg/l	No Abnormal Change	IGV	No
		TOC	Purged Sample	Quarterly	N/R	N/R	mg/l	No Abnormal Change	IGV	No
		Alkalinity	Purged Sample	Annually	N/R	N/R	mg/l	200	DWS	No

Groundwater/Soil monitoring template			Lic No:	W0026-03	Year	2015			
	Fluoride	Purged Sample	Annually	N/R	N/R	mg/l	1	IGV	No
	Sulphate	Purged Sample	Annually	N/R	N/R	mg/l	187.5	IGV	No
	Coliforms	Purged Sample	Annually	N/R	N/R	no./100ml	0	IGV	No
	Aluminium	Purged Sample	Annually	N/R	N/R	ug/l	150	IGV	No
	Arsenic	Purged Sample	Annually	N/R	N/R	ug/l	7.5	IGV	No
	Barium	Purged Sample	Annually	N/R	N/R	ug/l		IGV	No
	Beryllium	Purged Sample	Annually	N/R	N/R	ug/l		IGV	No
	Boron	Purged Sample	Annually	N/R	N/R	ug/l	750	IGV	No
	Cadmium	Purged Sample	Annually	N/R	N/R	ug/l	3.8	IGV	No
	Calcium	Purged Sample	Annually	N/R	N/R	Mg/l	200	DWS	No
	Cobalt	Purged Sample	Annually	N/R	N/R	ug/l		IGV	No
	Iron	Purged Sample	Annually	N/R	N/R	ug/l	200	IGV	No
	Lead	Purged Sample	Annually	N/R	N/R	ug/l	18.8	IGV	No
	Magnesium	Purged Sample	Annually	N/R	N/R	mg/l	50	IGV	No
	Manganese	Purged Sample	Annually	N/R	N/R	ug/l	50	IGV	No
	Nickel	Purged Sample	Annually	N/R	N/R	ug/l	15	IGV	No
	Potassium	Purged Sample	Annually	N/R	N/R	mg/l	5	IGV	No
	Selenium	Purged Sample	Annually	N/R	N/R	ug/l		IGV	No
	Sodium	Purged Sample	Annually	N/R	N/R	mg/l	150	IGV	No
	Strontium	Purged Sample	Annually	N/R	N/R	ug/l		IGV	No
	Thallium	Purged Sample	Annually	N/R	N/R	ug/l		IGV	No
	Uranium	Purged Sample	Annually	N/R	N/R	ug/l	9	IGV	No
	Vanadium	Purged Sample	Annually	N/R	N/R	ug/l		IGV	No
	Mercury	Purged Sample	Annually	N/R	N/R	ug/l	0.8	IGV	No
	Antimony	Purged Sample	Annually	N/R	N/R	ug/l		IGV	No
	Chromium	Purged Sample	Annually	N/R	N/R	ug/l	37.5	IGV	No
	Copper	Purged Sample	Annually	N/R	N/R	ug/l	1500	IGV	No
	Zinc	Purged Sample	Annually	N/R	N/R	ug/l	100	IGV	No

<b>Groundwater/Soil monitoring template</b>	Lic No: W0026-03	Year: 2015
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\*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:

W0026-03

Year

2015

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

		Commentary	
1	ELRA initial agreement status	Submitted and not agreed by EPA;	Completed and Submitted March 2011
2	ELRA review status	Review required and not completed;	
3	Amount of Financial Provision cover required as determined by the latest ELRA	€115,000	
4	Financial Provision for ELRA status	Submitted and agreed by EPA	
5	Financial Provision for ELRA - amount of cover	€200,000 up to 2016	
6	Financial Provision for ELRA - type	cash deposit	
7	Financial provision for ELRA expiry date	16/11/2046	
8	Closure plan initial agreement status	sure plan submitted and not agreed by EPA	
9	Closure plan review status	Review required and not completed	
10	Financial Provision for Closure status	Submitted and not agreed by EPA;	
11	Financial Provision for Closure - amount of cover	€4.3 million	To be revised in updated CRAMP
12	Financial Provision for Closure - type	cash deposit	
13	Financial provision for Closure expiry date	16/11/2046	



<b>Environmental Management Programme/Continuous Improvement Programme template</b>		Lic No:	W0026-03	Year	2015
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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	Yes	

#### Environmental Management Programme (EMP) report

Objective Category	Target	Status (% completed)	How target was progressed	Responsibility	Intermediate outcomes
Reduction of emissions to Air	Complete Capping Works	100%	Capping was completed March	Section Head	Reduced emissions
Energy Efficiency/Utility conservation	Landfill Gas Utilisation	60		Section Head	Increased compliance with licence conditions
SELECT		SELECT		SELECT	SELECT

<b>Noise monitoring summary report</b>	Lic No: W0026-03	Year	2015
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- 1 Was noise monitoring a licence requirement for the AER period?  
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?
- 3 Does your site have a noise reduction plan?
- 4 When was the noise reduction plan last updated?
- 5 Have there been changes relevant to site noise emissions (e.g. plant or operational changes) since the last noise survey?

[Noise Guidance note NG4](#)

**Table N1: Noise monitoring summary**

Date of monitoring	Time period	Noise location (on site)	Noise sensitive location -NSL (if applicable)	LA <sub>eq</sub>	LA <sub>90</sub>	LA <sub>10</sub>	LA <sub>max</sub>	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)?
15/04/2015	30 minutes	N1	N/A	49.6	40.3	51.5	72.9	No	No	M7 and N80 traffic noise	Yes
15/04/2015	30 minutes	N2	N/A	50.7	41.1	58.8	75.6	No	No	Civic Amenity site and re	Yes
15/04/2015	30 minutes	N3	N/A	60.5	48.8	66.8	73.5	No	No	N80 traffic is main sourc	No
15/04/2015	30 minutes	N4	N/A	52.8	45.5	55.4	74.3	No	No	M7 and N80 traffic noise	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?

** 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:

W0026-03

Year

2015

## Additional information

- 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

Enter date of audit	
No	
No	

Energy Use	Previous year	Current year	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*
Total Energy Used (MWHrs)				
Total Energy Generated (MWHrs)				
Total Renewable Energy Generated (MWHrs)				
Electricity Consumption (MWHrs)	126	114.3	(-9%)	
Fossil Fuels Consumption:				
Heavy Fuel Oil (m3)	9	3.45	(-61.66%)	
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	Unaccounted for Water:
					Volume Discharged back to environment(m <sup>3</sup> /yr):	Volume used i.e not discharged to environment e.g. released as steam m3/yr	
Groundwater	0						
Surface water	0						
Public supply	190						
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

	Total	Landfill	Incineration	Recycled	Other
Hazardous (Tonnes)					
Non-Hazardous (Tonnes)					

**Resource Usage/Energy efficiency summary** Lic No: W0026-03 Year 2015

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					



<b>WASTE SUMMARY</b>	Lic No:	W0026-03	Year	2015
<b>SECTION A- PRTR ON SITE WASTE TREATMENT AND WASTE TRANSFERS TAB- TO BE COMPLETED BY ALL IPPC AND WASTE FACILITIES</b>		<a href="#">PRTR facility legend</a>	dropdown list click to see options	

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

Additional Information

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 to be captured through PRTR reporting)  
 1. If yes please enter details in table 1 below

Yes	Public waste disposal area & CA Site
-----	--------------------------------------

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

No	
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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)	EWIC code  <a href="#">European Waste Catalogue EWIC codes</a>	Source of waste accepted	Description of waste accepted <b>Please enter an accurate and detailed description - which applies to relevant EWIC code</b> <a href="#">European Waste Catalogue EWIC codes</a>	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 -
<b>CIVIC AMENITY SITE</b>											
	20 01 08	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Biodegradable kitchen and canteen waste	21.82	24.75				R3-Recycling/reclamation or org	0	
	20 02 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	biodegradable waste	42.18	217.26				R3-Recycling/reclamation or org	0	
	15 01 01, 20 01 01	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	paper and cardboard	298.37	324.72				R12-Exchange of waste for subm	0	
	15 01 07, 16 01 20	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	glass and glass packaging	138.72	146.86				R5-Recycling/reclamation or oth	0	
	15 01 04	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Metallic Packaging	47.32	45.02				R12-Exchange of waste for subm	0	
	20 01 40	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	metals	136.74	168.06				R3-Recycling/reclamation or org	0	

WASTE SUMMARY		Lic No:		W0026-03		Year		2015	
15 01 02, 20 01 39	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	plastic	247.62	354.12			R12-Exchange of waste for subm	0	
20 01 11	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	textiles	27.98	26.98			R12-Exchange of waste for subm	0	
20 01 33	16- WASTES NOT OTHERWISE SPECIFIED IN THE LIST	lead batteries	0.58	0.6			R12-Exchange of waste for subm	0	
20 03 07	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	bulky waste	70.64				D5- Specially engineered landfill	0	
20 01 27	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	paint	11.38	15.62			R12-Exchange of waste for subm	0	
16 01 03	16- WASTES NOT OTHERWISE SPECIFIED IN THE LIST	tyres	17.1	17.76			R3-Recycling/reclamation or orga	0	
13 02 04, 16 01 07	13- OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19)	Oil and oil filters	11.8	10.56			R13-Storage of waste pending an	0	
17 08 02	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	gypsum-based construction materials	4.52				R5-Recycling/reclamation or othe	0	
20 03 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	mixed municiple waste	1514.62				R13-Storage of waste pending an	0	
20 03 03	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	street-cleaning residue landfill leachate other than those mentioned in 19 07 02	84.26				R13-Storage of waste pending an	0	
19 07 03	07- WASTES FROM ORGANIC CHEMICAL PROCESSES		2435				D8-Biological treatment not spec	0	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
- 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?

SELECT	
SELECT	
SELECT	
SELECT	
SELECT	

**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
Household	28,400	958		
Construction & Demolition	500			
Industrial Non-Hazardous	3,000			

<b>WASTE SUMMARY</b>	Lic No:	W0026-03	Year	2015
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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	
Cell 8		Nov-12	No	Public	Non Hazardous		No	No	No				



WASTE SUMMARY		Lic No:	W0026-03	Year	2015
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**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	No	No	Yes	Topography is considered the same as 2013

\* 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					
All Areas Capped	0	126740 m2	Entire landfill cappe		Concrete	All areas Permantly capped

\*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?

Yes
No

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

Volume of leachate in reporting year(m3)	Leachate (BOD) mass load (kg/annum)	Leachate (COD) mass load (kg/annum)	Leachate (NH4) mass load (kg/annum)	Leachate (Chloride) mass load kg/annum	Leachate treatment on-site	Specify type of leachate treatment	Comments
2435	164	470	206	613	None	Off Site Waste Water Treatment Plant	

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
750 m3/hr	No	No	No	Gas is flared off



[ PRTR# : W0026 | Facility Name : Kyletalesha Landfill | Filename : W0026\_2015\_D02 (1) (1).xls | Return Year : 2015 ]

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[Guidance to completing the PRTR workbook](#)

# PRTR Returns Workbook

Version 1.1.19

<b>REFERENCE YEAR</b>	2015
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## 1. FACILITY IDENTIFICATION

Parent Company Name	Laois County Council
Facility Name	Kyletalesha Landfill
PRTR Identification Number	W0026
Licence Number	W0026-03

### Classes of Activity

No.	class_name
-	Refer to PRTR class activities below

Address 1	Clonsoughy
Address 2	Kyleclonhobert
Address 3	
Address 4	
Country	Laois
Coordinates of Location	-6.36721 53.325
River Basin District	IESE
NACE Code	3821
Main Economic Activity	Treatment and disposal of non-hazardous waste
AER Returns Contact Name	Ken Farrell
AER Returns Contact Email Address	kfarrell@laoiscoco.ie
AER Returns Contact Position	Landfill Manager
AER Returns Contact Telephone Number	087 7999945
AER Returns Contact Mobile Phone Number	087 7999945
AER Returns Contact Fax Number	
Production Volume	0.0
Production Volume Units	
Number of Installations	0
Number of Operating Hours in Year	0
Number of Employees	3
User Feedback/Comments	
Web Address	

## 2. PRTR CLASS ACTIVITIES

Activity Number	Activity Name
5(d)	Landfills
5(c)	Installations for the disposal of non-hazardous waste
50.1	General

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

Is it applicable?	No
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)?	
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This question is only applicable if you are an IPPC or Quarry site

4.1 RELEASES TO AIR

[Link to previous years emissions data](#)

| PRTR#: W0026 | Facility Name : Kyletalesha Landfill | Filename : W0026\_2015\_D02 (1) (1).xls | Return Year : 2015 |

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SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

POLLUTANT		METHOD			Please enter all quantities in this section in KGs			
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
03	Carbon dioxide (CO2)	C	OTH	Gas Sim 2.5 Statistics & Site data	27607.619	296942.976	0.0	269335.357
01	Methane (CH4)	C	OTH	Gas Sim 2.5 Statistics & Site data	12333.66	547490.76	0.0	535157.1

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

SECTION B : REMAINING PRTR POLLUTANTS

POLLUTANT		METHOD			Please enter all quantities in this section in KGs			
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
15	Chlorofluorocarbons (CFCs)	C	OTH	Gas Sim 2.5 PI Report	0.0	4.47	0.0	4.47
14	Hydrochlorofluorocarbons (HCFCs)	C	OTH	Gas Sim 2.5 PI Report	0.0	3.17	0.0	3.17

\* 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)

POLLUTANT		METHOD			Please enter all quantities in this section in KGs			
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

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:

T (Total) kg/Year	M/C/E	Method Used		Facility Total Capacity m3 per hour	
		Method Code	Designation or Description		
Total estimated methane generation (as per site model)	1164173.76	C	OTH	Gas Sim 2.5 Statistics	N/A
Methane flared	616683.0	M	OTH	Site data	750.0 (Total Flaring Capacity)
Methane utilised in engine/s	0.0				0.0 (Total Utilising Capacity)
Net methane emission (as reported in Section A above)	547490.76	C	OTH	Gas Sim 2.5 Statistics - Site	N/A

4.2 RELEASES TO WATERS

[Link to previous years emissions data](#)

| PRTR# : W0026 | Facility Name : Kyletalesha Landfill | Filename : W0026\_2015\_D02 (1) (1).xls | Return Year : 2015 |

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**SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS**

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

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

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

**SECTION B : REMAINING PRTR POLLUTANTS**

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

ity

4.3 RELEASES TO WASTEWATER OR SEWER

[Link to previous years emissions data](#)

| PRTR# : W0026 | Facility Name : Kyletalesha Landfill | Filename : W0026\_2015\_D02 (1) (1).xls | R

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**SECTION A : PRTR POLLUTANTS**

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

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

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

OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATMENT OR SEWER					Please enter all quantities in this section in KGs			
POLLUTANT		METHOD			QUANTITY			
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

4.4 RELEASES TO LAND

[Link to previous years emissions data](#)

| PRTR# : W0026 | Facility Name : Kyletalesha Landfill | Filename : W0026\_2015\_D02 (1) (1).xls | Return Year : 2015 |

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SECTION A : PRTR POLLUTANTS

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

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

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

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

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

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE

| PRTR# : W0026 | Facility Name : Kyletalesha Landfill | Filename : W0026\_2015\_D02 (1) (1).xls | Return Year : 2015 |

31/03/2016 15:21

Please enter all quantities on this sheet in Tonnes

0

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 : Address of Next Destination Facility	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)
						MC/E	Method Used		Haz Waste : Name and Licence/Permit No of Recover/Disposer	Non Haz Waste : Address of Recover/Disposer			
Within the Country	13 02 04	Yes	10.16	mineral-based chlorinated engine, gear and lubricating oils	R9	M	Weighed	Offsite in Ireland	Enva Ireland Limited,W0184-02		Clonminam Industrial Estate ,Portlaoise ,County Laois ,Laois,Ireland	Enva Ltd,W0184-01,Clonminam Industrial Estate,Portlaoise,Laois,,Ireland	Enva Ltd,Clonminam Industrial Estate,Portlaoise,Laois,Ireland
Within the Country	15 01 01	No	164.46	paper and cardboard packaging	R12	M	Weighed	Offsite in Ireland	AES Ireland,W0104-02		Cappincur,,Tullamore,Co Offaly,Ireland		
Within the Country	15 01 02	No	95.98	plastic packaging	R12	M	Weighed	Offsite in Ireland	AES Ireland,W0104-02		Cappincur,,Tullamore,Co Offaly,Ireland		
Within the Country	15 01 04	No	47.32	metallic packaging	R12	M	Weighed	Offsite in Ireland	Hammond Lane Metal Co. (Pigeon House),WFP-DC-09-0013-01		Hammond Lane Metal Co. (Pigeon House),Ringsend , Dublin 4 ,,Ireland		
Within the Country	15 01 07	No	126.54	glass packaging	R5	M	Weighed	Offsite in Ireland	Rehab Glassco Limited,W0279-02		Unit 4 Osberstown Industrial Park ,Caragh Road ,Naas Co Kildare,,Ireland		
Within the Country	16 01 03	No	17.1	end-of-life tyres	R3	M	Weighed	Offsite in Ireland	Crumb Rubber ,WFP-LH-10-0005-01		Dundalk Co.Louth,Ireland		
Within the Country	19 07 03	No	2435.0	landfill leachate other than those mentioned in 19 07 02	D8	M	Weighed	Offsite in Ireland	Portlaoise Wastewater Treatment Plant,D0001-01		Ridge Road,,Portlaoise,Co Laois,Ireland		
Within the Country	20 01 01	No	151.91	paper and cardboard	R12	M	Weighed	Offsite in Ireland	AES Ireland,W0104-02		Cappincur,,Tullamore,Co Offaly,Ireland		
Within the Country	20 01 08	No	21.82	biodegradable kitchen and canteen waste	R3	M	Weighed	Offsite in Ireland	Padraig Thornton Waste Disposal Limited,W0195-02		Kilmainhamwood Compost ,Ballynalurgan , Kilmainhamwood ,Kells Co Meath,Ireland		
Within the Country	20 01 11	No	27.98	textiles	R12	M	Weighed	Offsite in Ireland	Textile Recycling Limited,.		504 Grants Drive,Greenogue Business Park,Greenogue Industrial Estate,Dublin,Ireland		
Within the Country	20 01 33	Yes	0.58	batteries and accumulators included in 16 06 01, 16 06 02 or 16 06 03 and unsorted batteries and accumulators containing these batteries	R12	M	Weighed	Offsite in Ireland	KMK Metals Recycling Limited,W0113-04		Cappincur Industrial Estate ,Daingean Road Tullamore Co Offaly,,Ireland	KMK Metals,W0113-03,Cappincur Industrial Estate,Daingean Road,Tullamore,Offaly,Ireland	Cappincur Industrial Estate,Daingean Road,Tullamore,Offaly,Ireland
Within the Country	20 01 39	No	151.64	plastics	R12	M	Weighed	Offsite in Ireland	AES Ireland,W0104-02		Cappincur,,Tullamore,Co Offaly,Ireland		
Within the Country	20 01 40	No	136.74	metals	R12	M	Weighed	Offsite in Ireland	AES Ireland,W0104-02		Cappincur,,Tullamore,Co Offaly,Ireland		
Within the Country	20 02 01	No	42.18	biodegradable waste	R3	M	Weighed	Offsite in Ireland	Bord na Mona,W0198-01		Bord na M6na (Kilberry) , Kilberry , Athy Co Kildare,,Ireland		
Within the Country	16 01 20	No	12.18	glass	R5	M	Weighed	Offsite in Ireland	Gannon Eco ,WFP-WM-2009-0007-01		Split Hill Quarries,Ballinagore,Co Westmeath,,Ireland		
Within the Country	20 03 07	No	70.64	bulky waste	D5	M	Weighed	Offsite in Ireland	Bord na Mona Public Limited Company/Drehid Waste Management Facility,W0201-03		Killinagh Lower and Killinagh Upper ,Carbury , County Kildare,,Ireland		



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 : Address of Next Destination Facility	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)
						Haz Waste : Name and Licence/Permit No of Recover/Disposer			Non Haz Waste : Address of Recover/Disposer				
						M/C/E	Method Used						
Within the Country	16 01 07	Yes	1.64	oil filters	R12	M	Weighed	Offsite in Ireland	Enva Ireland Limited,W0184-02		Clonminam Industrial Estate ,Portlaoise ,County Laois ,Laois,Ireland	RD Recycling,Ovam Approved, Centrum Zuid,3017,Houthalen,B3530, Belgium	Centrum Zuid,3017,Houthalen,B3530, Belgium
Within the Country	17 08 02	No	4.52	gypsum-based construction materials other than those mentioned in 17 08 01	R5	M	Weighed	Offsite in Ireland	Gypsum Recycling Ireland,Waste Permit No. 238/2006		Tullamore , Co.Offaly ,,,Ireland		
Within the Country	20 03 01	No	1514.62	mixed municipal waste	R12	M	Weighed	Offsite in Ireland	AES - Portlaoise ,W0194-02		Advanced Environmental Solutions (Ireland) Ltd Kyletalesha & Kyleclonhobert ,Portlaoise County Laois,,,,Ireland		
Within the Country	20 03 03	No	84.26	street-cleaning residues	R12	M	Weighed	Offsite in Ireland	AES - Portlaoise ,W0194-02		Advanced Environmental Solutions (Ireland) Ltd Kyletalesha & Kyleclonhobert ,Portlaoise County Laois,,,,Ireland		
Within the Country	20 01 27	Yes	11.38	paint, inks, adhesives and resins containing dangerous substances	R12	M	Weighed	Offsite in Ireland	Enva Ireland Limited,W0184-02		Clonminam Industrial Estate ,Portlaoise ,County Laois ,Laois,Ireland	Recyfuel S.A,Belgian Authorities Permitted,Zoning Industriel d'Ehein ,B-4480, ENGIS BELGIUM,B-4480,Belgium	Zoning Industriel d'Ehein ,B-4480, ENGIS BELGIUM,B-4480,Belgium

\* 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](#)