

SELECT

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

[guidance document link](#)

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

Table heading *

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

Cells with red indicator in top right corner

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

Facility Information Summary

AER Reporting Year	2012
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)	

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

See attached sheet with description.

Declaration:

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

_____ Signature Group/Facility manager (or nominated, suitably qualified and experienced deputy)	_____ Date 28th March 2013 Brenda Cuddy
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AIR-summary template

Lic No:

W0026-03

Year

2012

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 **you do not have** licenced emissions and **do not complete a solvent management plan** (table A4 and A5) you do not need to complete the tables

Additional information	
Yes	AFS 750m ³ Flare & UNIFARE 750m ³ 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	
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3 Was all monitoring carried out in accordance with EPA guidance note AG2 and using the basic air monitoring checklist?

[Basic air monitoring checklist](#)

[AGN2](#)

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

Emission reference no:	Parameter/ Substance	Frequency of Monitoring	ELV in licence or any revision therof	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
AFS 750	CO	Annual	<50mg/Nm ³	No 30min mean can exceed the ELV	2.11	mg/Nm3	yes	EN15058	6.5	
	NO _x	Annual	150mg/Nm ³	No 30min mean can exceed the ELV	47.23	mg/Nm3	yes	EN14792	144.81	
	TOC	Annual	<10mg/Nm ³	No 30min mean can exceed the ELV	2.11	mg/Nm3	yes	SELECT	6.5	
	HF	Annual	<5mg/Nm ³	No 30min mean can exceed the ELV	0.74	mg/Nm3	yes	EN15713-2006	2.27	
	HCL	Annual	<50mg/Nm ³	No 30min mean can exceed the ELV	0.94	mg/Nm3	yes	EN1911-2010	2.88	

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

AIR-summary template

Lic No:

W0026-03

Year

2012

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
Uni flare	CO	Annual	<50mg/Nm ³	No 30min mean can exceed the ELV	1.25	mg/Nm3	yes	EN15058	4.38	
	NO _x	Annual	150mg/Nm ³	No 30min mean can exceed the ELV	43.13	mg/Nm3	yes	EN14792	151.13	
	TOC	Annual	<10mg/Nm ³	No 30min mean can exceed the ELV	2.16	mg/Nm3	yes	SELECT	7.57	
	HF	Annual	<5mg/Nm3	No 30min mean can exceed the ELV	0.3	mg/Nm3	yes	EN15713-2006	1.05	
	HCL	Annual	<50mg/Nm3	No 30min mean can exceed	0.03	mg/Nm3	yes	EN1911-2010	0.11	

Continuous Monitoring

4	Does your site carry out continuous air emissions monitoring?	Yes
	If yes please review your continuous monitoring data and report the required fields below in Table 3 and compare it	
5	Did continuous monitoring equipment experience downtime? If yes please record downtime in table 3 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 4 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
Office	CH ₄ & CO ₂	1.0% v/v & 1.5%v/v	Daily	Daily average < ELV	%v/v	n/a	0.00 & 0.15		None	
Weighbridge	CH ₄ & CO ₂	1.0% v/v & 1.5%v/v	Daily	Daily average < ELV	%v/v	n/a	0.00 & 0.27		None	
Fire Escape	CH ₄ & CO ₂	1.0% v/v & 1.5%v/v	Daily	Daily average < ELV	%v/v	n/a	0.00 & 0.42		None	
Civic Amenity	CH ₄ & CO ₂	1.0% v/v & 1.5%v/v	Daily	Daily average < ELV	%v/v	n/a	0.19 & 0.12		None	
	SELECT				SELECT					

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

Table A3: Abatement system bypass reporting table

[Bypass protocol](#)

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

Toxaphene
Trichlorobenzenes (TCBs)(all isomers)
Trichloroethylene
Trichloromethane
Vinyl chloride
Xylenes
Zinc and compounds (as Zn)

AER Monitoring returns summary template-WATER/WASTEWATER(S

Lic No:

W0026-03

Year

2012

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

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

Continuous monitoring

Additional Information

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

If yes please summarise your continuous monitoring data below in Table W4 and compare it to its relevant Emission Limit Value (ELV)

6 Did continuous monitoring equipment experience downtime? If yes please record downtime in table W4 below

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

8 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 reference no:	Emission released to	Parameter/ Substance	ELV or trigger values in licence or any revision	Averaging Period	Compliance Criteria	Units of measurement	Annual Emission for current reporting year (kg)	% change +/- from previous	Monitoring Equipment downtime	Number of ELV exceedances in reporting year	Comments
	SELECT	SELECT		SELECT	SELECT	SELECT					
	SELECT	SELECT		SELECT	SELECT	SELECT					

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

Table W5: Abatement system bypass reporting table

Date	Duration (hours)	Location	Resultant emissions	Reason for bypass	Corrective action*	Was a report submitted to the EPA?	When was this report submitted?
						SELECT	

*Measures taken or proposed to reduce or limit bypass frequency

Bund 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**

2 Please provide integrity testing frequency period

Does the site maintain a register of bunds, underground pipelines (including stormwater and foul), Tanks, sumps and 3 containers? (containers refers to "Chemstore" type units and mobile bunds)

4 How many bunds are on site?

5 How many of these bunds have been tested within the required test schedule?

6 How many mobile bunds are on site?

7 Are the mobile bunds included in the bund test schedule?

8 How many of these mobile bunds have been tested within the required test schedule?

9 How many sumps on site are included in the integrity test schedule?

10 How many of these sumps are integrity tested within the test schedule?

Please list any sump integrity failures in table B1

11 Do all sumps and chambers have high level liquid alarms?

12 If yes to Q11 are these failsafe systems included in a maintenance and testing progr

Yes	
3 years	
Yes	Within the AER as tested every three years
7	
All	
2	
No	As these change regularly
All under 3 years old	Two mobile units with in the civic amenity site, both less than 3 years old
All	
All	
No	

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

Bund/Containment structure ID	Type	Specify Other type	Product containmen	Actual capacity	Capacity required*	Type of integrity tes	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)
Lined Leachate Lago	other (please specify	Plastic Lined Lagoon	Leachate			Other (please specify	Consultants report	Mar-12	Yes	Pass		SELECT	Mar-15	
Oil Bund	reinforced concrete	With additional surf	Oil			Structural assessmen	Manufacturer Warent	Jun-13	Yes	Pass			Jun-13	
Leachate Tank	other (please specify	Glass Tank	Leachate			Other (please specify	Level Sensor, ensurii	Feb-12	Yes	Pass		SELECT	Feb-15	

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

Has integrity testing been carried out in accordance with licence requirements and

14 are all structures tested in line with BS8007/EPA Guidance?

[bundling and storage guidelines](#)

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

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

Commentary	
Yes	
No	
SELECT	

Pipeline/underground structure testing

Are you required by your licence to undertake integrity testing on underground structures e.g. pipelines or sumps etc? if yes

1 please fill out table 2 below listing all underground structures and pipelines on site **which failed the integrity test**

2 Please provide integrity testing frequency period

No	nes are leachate lines located under cells
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

	Comments
1 Are you required to carry out groundwater monitoring as part of your licence requirements?	yes
2 Are you required to carry out soil monitoring as part of your licence requirements?	no
3 Do you extract groundwater for use on site? If yes please specify use in comment section	no
4 Is there contaminated land and /or groundwater on site? If yes please answer q's 5-12	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
9 Has any type of risk assessment been carried out for the site?	yes
10 Has a Conceptual Site Model been developed for the site?	no Proposed for 2013 as part of licence ammendments
11 Have potential receptors been identified on and off site?	no
12 Is there evidence that contamination is migrating offsite?	no upgradient groundwater monitoring reveals no downgradient impact

Table 1: Upgradient Groundwater monitoring results

Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration++	Average Concentration+	unit	GTV's*	SELECT**	% change in average concentration previous year +/-	Upward trend in pollutant concentration over last 5 years of monitoring data
18/1/12, 30/4/12, 23/7/12, 9/10/12	G004	pH, Cond, NH ₃ - N, Cl ⁻ , TOC	Purged samples	Quarterly	7.5, 592, 4.5, 16, 6.8	7.3, 575, 4.3, 14, 5.6	no units, µS/cm, mg/l, mg/l, mg/l	being revised			no
18/1/12, 30/4/12, 23/7/12, 9/10/12	G014	pH, Cond, NH ₃ - N, Cl ⁻ , TOC	Purged samples	Quarterly	8.1, 405, 2.9, 20, 8.6	7.9, 400, 2.8, 18, 3.6	no units, µS/cm, mg/l, mg/l, mg/l	being revised			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**	% change in average concentration previous year +/-	Upward trend in yearly average pollutant concentration over last 5 years of monitoring data
18/1/12, 30/4/12, 23/7/12, 9/10/12	G001	pH, Cond, NH ₃ - N, Cl ⁻ , TOC	Purged samples	Quarterly	7.5, 986, 1.7, 47, 9.1	7.2, 971, 1.5, 7.3	no units, µS/cm, mg/l, mg/l, mg/l	being revised			SELECT
18/1/12, 30/4/12, 23/7/12, 9/10/12	G002	pH, Cond, NH ₃ - N, Cl ⁻ , TOC	Purged samples	Quarterly	7.7, 482, 0.43, 12, 3.1	7.5, 478, 0.41, 11, 2.1	no units, µS/cm, mg/l, mg/l, mg/l	being revised			SELECT
18/1/12, 30/4/12, 23/7/12, 9/10/12	G008	pH, Cond, NH ₃ - N, Cl ⁻ , TOC	Purged samples	Quarterly	7.9, 435, 2.1, 15, 5.1	7.6, 433, 2.0, 14, 3.5	no units, µS/cm, mg/l, mg/l, mg/l	being revised			SELECT

Groundwater/Soil monitoring template					Lic No:	W0026-03	Year	2012			
18/1/12, 30/4/12, 23/7/12, 9/10/12	G012	pH, Cond, NH ₃ - N, Cl ⁻ , TOC	Purged samples	Quarterly	7.2, 638, 2.9, 22, 5.7	7.1, 633, 2.8, 21, 5.5	no units, µS/cm, mg/l, mg/l, mg/l	being revised			SELECT
30/4/12, 23/7/12, 9/10/12	G013	pH, Cond, NH ₃ - N, Cl ⁻ , TOC	Purged samples	Quarterly	6.8, 1040, 3.8, 14, 12.4	6.7, 1001, 3.7, 13, 12.2	no units, µS/cm, mg/l, mg/l, mg/l	being revised			SELECT
18/1/12, 30/4/12, 23/7/12, 9/10/12	G015	pH, Cond, NH ₃ - N, Cl ⁻ , TOC	Purged samples	Quarterly	7.6, 414, 1.6, 11, 2.9	7.6, 407, 1.4, 10, 2.9	no units, µS/cm, mg/l, mg/l, mg/l	being revised			SELECT

[Drinking water \(private supply\) standards](#)
 [Drinking water \(public supply\) standards](#)
 [Interim Guideline Values \(IGV\)](#)

whether the criteria for poor groundwater chemical status are being met.

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

[Surface water EQS](#)
 [Groundwater regulations GTV's](#)

Table 3: Soil results

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

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

upgradient wells inserted Jan 2012 to devise representative GTV's

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

		Commentary	
1	ELRA initial agreement status	Submitted and agreed by EPA	
2	ELRA review status	Review required and not completed;	review 2016
3	Amount of Financial Provision cover required as determined by the latest ELRA	200,000 up to 2016	
4	Financial Provision for ELRA status	Submitted and agreed by EPA	Audited in 2012 status compliant with financial provision
5	Financial Provision for ELRA - amount of cover	Specify	
6	Financial Provision for ELRA - type	cash deposit	
7	Financial provision for ELRA expiry date	16/11/2042	
8	Closure plan initial agreement status	sure plan submitted and not agreed by EPA	Plan was
9	Closure plan review status	Review required and not completed	Kyletalesha closed in November 2012, as part of a post closure review the CRAPM will be reviewed and submitted for approval by the EPA
10	Financial Provision for Closure status	Required but not submitted	
11	Financial Provision for Closure - amount of cover	Specify	
12	Financial Provision for Closure - type	cash deposit	
13	Financial provision for Closure expiry date	16/11/2042	

Highlighted cells contain dropdown menu click to view

Additional Information

1	Do you maintain an Environmental Mangement System (EMS) for the site. If yes, please detail in additional information	Yes	
2	Does the EMS reference the most significant environmental aspects and associated impacts on-site	Yes	
3	Does the EMS maintain an Environmental Management Programme (EMP) as required in accordance with the licence requirements	Yes	
4	Do you maintain an environmental documentation/communication system to inform the public on environmental performance of the facility, as required by the licence	Yes	Web site and through our environmental Awarness Officer.

Environmental Management Programme (EMP) report

Objective Category	Target	Status (% completed)	How target was progressed	Responsibility	Intermediate outcomes
Reduction of emissions to Air	All cell completly capped	100%	Each cell was capped with in 1	Section Head	Reduced emissions
Reduction of emissions to Water	Decommission unlined Lagoo	100%	Decomissioned mid year,all le	Section Head	Increased compliance with licence conditions
Energy Efficiency/Utility conservation	Tendering for Gas utilisation	70%	Tender will be issued in the co	Section Head	Increased compliance with licence conditions
Reduction of emissions to Wastewater	Capp cells, which will reduce	100%	Capping completed end of Fet	Section Head	Improved Environmental Management Practices

Noise monitoring summary report

Lic No:

W0026-03

Year

2012

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

Yes

If yes please fill in table N1 noise summary below

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

[Noise Guidance note NG4](#)

Yes

3 Does your site have a noise reduction plan

No

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?

Yes

Lanfill closed in November 2013

Table N1: Noise monitoring summary

Date of monitoring	Time period	Noise location (on site)	Noise sensitive location -NSL (if applicable)	LA _{eq}	LA ₉₀	LA ₁₀	LA _{max}	Tonal or Impulsive noise* (Y/N)	If tonal /impulsive noise was identified was 5dB penalty applied?	Comments (ex. main noise sources on site, & extraneous noise ex. road traffic)	Is <u>site</u> compliant with noise limits (day/evening/night)?
28th March 2011	30 min	N3		62.2	46	64.7	81.2	No	No	N80 traffic noise	SELECT
28th March 2011	30 min	N1		48.2	37.7	48.5	77.6	No	No		
28th March 2011	30 min	N2		54.6	41.6	55.7	79.6	No	No		
28th March 2011	30 min	N4		53.9	39	64.7	79.3	No	No		

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

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

SELECT

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

Any additional comments? (less than 200 words)

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

There was an over all efficiency audit carried out by Laois County Council accross all departments in 2009	
SEAI	
SELECT	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)	No	No		
Total Renewable Energy Generated (MWHrs)	No	No		
Electricity Consumption (MWHrs)	124683	128371	3%	
Fossil Fuels Consumption:				
Heavy Fuel Oil (m3)	25	31.74	12%	
Light Fuel Oil (m3)				
Natural gas (CMN)	No			
Coal/Solid fuel (metric tonnes)	No			
Peat (metric tonnes)	No			
Renewable Biomass	No			
Renewable energy generated on site	No			

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

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

Water use	Water extracted Previous year m3/yr.	Water extracted Current year m3/yr.	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*	Water Emissions		Water Consumption	
					Volume Discharged back to environment(m ³ /yr):	Volume used i.e not discharged to environment e.g. released as steam m3/yr	Unaccounted for Water:	
Groundwater	No							
Surface water	1091m3 / year	800m3/ year	-27%					Used as dust supression, very wet year
Public supply	1.57	1.52	-3%					
Recycled water	No							
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)	none				
Non-Hazardous (Tonnes)	36089	36089			

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
No landfill Energy Audit Carried Out			SELECT					
			SELECT					
			SELECT					

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

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

Complaints and Incidents summary template

Lice No: W0026-03

Year

2012

Complaints

Additional information

Have you received any environmental complaints in the current reporting year? If yes please complete summary details of complaints received on site in table 1 below

Yes	
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Table 1 Complaints summary

Date	Category	Other type (please specify)	Brief description of complaint (Free txt <20 words)	Corrective action< 20 words	Resolution status	Resolution date	Further information
28/09/2012	Odour		Landfill gas Odour	Capping contract to comm	Complete		Capping contract commenced end of November, but due to weather conditions the cell wasn't sealed until Feb. 2013
12/11/2012	Odour		Landfill gas Odour	Capping contract to comment in the following weeks, check all fl			Capping contract commenced end of November, but due to weather conditions the cell wasn't sealed until Feb. 2013
17/12/2012	Odour		Landfill gas Odour	Capping contract to comm	SELECT		Capping contract commenced end of November, but due to weather conditions the cell wasn't sealed until Feb. 2013
01/10/2013	Odour		Landfill gas Odour	Capping contract to comm	SELECT		Capping contract commenced end of November, but due to weather conditions the cell wasn't sealed until Feb. 2013
13/10/2012	Odour		Landfill gas Odour	Capping contract to comm	SELECT		Capping contract commenced end of November, but due to weather conditions the cell wasn't sealed until Feb. 2013
16/12/2012	Odour		Landfill gas Odour	Capping contract to comment in the following weeks, check all fl			Capping contract commenced end of November, but due to weather conditions the cell wasn't sealed until Feb. 2013
05/10/2012	Odour		Landfill gas Odour	Capping contract to comment in the following weeks, check all fl			Capping contract commenced end of November, but due to weather conditions the cell wasn't sealed until Feb. 2013
21/10/2012	Odour		Landfill gas Odour	Capping contract to comment in the following weeks, check all fl			Capping contract commenced end of November, but due to weather conditions the cell wasn't sealed until Feb. 2013
12/07/2012	Odour		Landfill gas Odour	Capping contract to comment in the following weeks, check all fl			Capping contract commenced end of November, but due to weather conditions the cell wasn't sealed until Feb. 2013
13/12/2012	Odour		Landfill gas Odour	Capping contract to comment in the following weeks, check all fl			Capping contract commenced end of November, but due to weather conditions the cell wasn't sealed until Feb. 2013
18/12/2013	Odour		Landfill gas Odour	Capping contract to comm	SELECT		Capping contract commenced end of November, but due to weather conditions the cell wasn't sealed until Feb. 2013
Total complaints open at start of reporting year	None						
Total new complaints received during reporting year	11						
Total complaints closed during reporting year	As the were Odour complaints, the odour was intermittent and would only last a few hours, the final capping contract commenced in December of 2012 and was completed in February 2013						
Balance of complaints end of reporting year	11						

Incidents

Additional information

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

Yes	
-----	--

*For information on how to report and what constitutes an incident

[What is an incident](#)

Table 2 Incidents summary

Date of occurrence	Incident nature	Location of occurrence	Incident category*please refer to guidance	Receptor	Cause of incident	Other cause(please specify)	Activity in progress at time of incident	Communication	Occurrence	Corrective action<20 words	Preventative action <20 words	Resolution status	Resolution date	Likelihood of reoccurrence
24/03/2012	Wheel wash broken	On site	1. Minor	No Uncontrolled release	Plant or equipment issues		Normal activities	EPA	New	Had the sensor replaced		Complete	End march	Low
24/11/2012	Trigger level reached	Cell 15	2. Limited	No Uncontrolled release	Adverse weather		Normal activities	EPA	New	Additional tankering		Complete	Same Day	Medium
23/03/2012	Trigger level reached	Other location (please specify)	1. Minor	No Uncontrolled release	Operational controls		Normal activities	EPA	Recurring	Additional wells being located out side		Complete		High
26th June 2012	Trigger level reached	Other location (please specify)	1. Minor	No Uncontrolled release	Operational controls		Normal activities	EPA	Recurring	Additional wells being located out side		Complete		SELECT
28/03/2013	Noise level exceeded	N3, near the N80 road	1. Minor	Air	Traffic volume		Normal activities	EPA	Recurring	N80 road noise		SELECT		SELECT
Total number of incidents current year	5													
Total number of incidents previous year	12													
% reduction/increase														

WASTE SUMMARY

Lic No:

W0026-03

Year

2012

										SELECT UNIT	SELECT UNIT	SELECT UNIT	
Cells 1-5, 12,12,14,15	Old Landfill opened in 1959	2012	No	Public	Non Hazardous	Nov-12	No	No		115168m ²	67568m ²	47,600m ²	

WASTE SUMMARY

Lic No:

W0026-03

Year

2012

Table 4 Environmental monitoring-landfill onl [Landfill Manual-Monitoring Standards](#)

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

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

Table 5 Capping-Landfill only

Area uncapped*	Area with temporary cap	Area with final cap to LD Standard m2 ha, a	Area capped other	Area with waste that should be permanently capped to date under licence	What materials are used in the cap	Comments
SELECT UNIT	SELECT UNIT					
Full capped	All permanently capped	126740 m2	Entire landfill capped with gas geocomposite colle		Capping system comprising of a gas geocomposite collection layer, Linear Low Density Polyethylene Liner, surface water drainage geocomposite layer, and 1m of cover material in accordance with Condition 4.3	

*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

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

No

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
12381	7,787.60	20,886.70	9,632.40	12,442.90	No		From a pumping station to the wwtp

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
No	No	No	Yes	



AER Returns Workbook

Version 1.0.0

REFERENCE YEAR: 2012

1. FACILITY IDENTIFICATION

Parent Company Name	Laois County Council
Facility Name	Kyleshale Landfill
PRTR Identification Number	W0025
License Number	W0025-05

Waste or IPPC Classes of Activity

No.	class_name
3.5	Specialty engineered landfill, including placement into lined discrete cells which are capped and isolated from one another and the environment.
3.11	Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule.
3.12	Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule.
3.13	Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned is produced.
3.2	Land treatment, including biodegradation of liquid or sludge discards in soils.
3.4	Surface impoundment, including placement of liquid or sludge discards into pits, ponds or lagoons.
3.6	Biological treatment not referred to elsewhere in this Schedule which results in free compounds or mixtures which are disposed of by means of any activity referred to in paragraphs 1. to 10. of this Schedule.
3.7	Use of waste obtained from any activity referred to in a preceding paragraph of this Schedule.
4.11	Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced.
4.13	Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes).
4.2	Recycling or reclamation of metals and metal compounds.
4.3	Recycling or reclamation of other inorganic materials.
4.4	Use of any waste principally as a fuel or other means to generate energy.
Address 1	Clonsillaughy
Address 2	Kyleshale Road
Address 3	Co. Laois
Address 4	
Country	Ireland
Coordinates of Location	47 30 21.53 325
River Basin District	11.02
NACE Code	3821
Main Economic Activity	Treatment and disposal of non-hazardous waste
AER Returns Contact Name	Shirley Cuddy
AER Returns Contact Email Address	scuddy@laoiscoco.ie
AER Returns Contact Position	Landfill Manager
AER Returns Contact Telephone Number	051 825555
AER Returns Contact Mobile Phone Number	087 825555
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	7
User Feedback/Comments	
Web Address	

2. PRTR CLASS ACTIVITIES

Activity Number	Activity Name
01	Landfills
02	Installations for the disposal of non-hazardous waste
03	General

3. SOLVENTS REGULATIONS (S.I. No. 843 of 2002)

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

4. WASTE IMPORTED/ACCEPTED ONTO SITE

Guidance on waste imported/accepted onto site

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

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

4.1 RELEASES TO AIR

Link to guidance on reporting data

SECTION A - SECTOR SPECIFIC PRTR POLLUTANTS

No. Annex I	POLLUTANT	NAME	MPC	Method Code	Designation or Description	Please enter all quantities in this section in kg			QUANTITY	
						Stacks	Other	T (Total) kg/Year	A (Acid gases) kg/Year	F (Fugitive) kg/Year
01	Methane (CH4)		C	OTH	Calculation using PI Report	13725.60	21957.433	40020.963	0.0	7327.65
02	Carbon dioxide (CO2)		C	OTH	Calculation using PI Report	29137.23	45214.007	114375.462	0.0	26624.196
06	1,1,1-Trichloroethane		C	OTH	Gas Str. 2.5 PI Report	0.0	0.0	0.0	0.0	0.0

SECTION B - REMAINING PRTR POLLUTANTS

No. Annex I	POLLUTANT	NAME	MPC	Method Code	Designation or Description	Please enter all quantities in this section in kg			QUANTITY	
						Stacks	Other	T (Total) kg/Year	A (Acid gases) kg/Year	F (Fugitive) kg/Year
10	Chloroform/trichloromethane (CTM)		C	OTH	Gas Str. 2.5 - PI Report	0.0	0.0	0.0	0.0	0.0
14	Hydrochlorofluorocarbon (HCFC)		C	OTH	Gas Str. 2.5 - PI Report	0.0	0.0	0.0	0.0	0.0

SECTION C - REMAINING POLLUTANTS (ANNEX I AND II)

No. Annex I	POLLUTANT	NAME	MPC	Method Code	Designation or Description	Please enter all quantities in this section in kg			QUANTITY	
						Stacks	Other	T (Total) kg/Year	A (Acid gases) kg/Year	F (Fugitive) kg/Year

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 utilized on their facilities to accompany the figures for total methane generated. Operators should only report their net methane (NM) as defined in the environment Canada Typing (TC) by the Section A. Report specific PRTR pollutants above. Please complete the table below.

Landfill: [Facility Name]

Please enter summary data on the quantities of methane flared and / or utilized

T (Total) kg/Year	M/C/E	Method Used		Facility Total Capacity (kg per hour)	
		Method Code	Designation or Description		
Total estimated methane generation (as per site record)	479490.0000	C	ESG	Calculation using site data & PR Report	N/A
Methane flared	1148489.4000	M	ESG	Flare data from site	0.00 (Total Flaring Capacity)
Methane utilized in engines	0.00	E			0.00 (Total Utilizing Capacity)
Net methane emissions (as reported in Section A above)	430639.6000	C	ESG	Provided by PR Report	N/A

4.2 RELEASES TO WATERS [Link to previous years emissions data](#) [PRTR# : W0026 | Facility Name : Njwalswaha Landfill | Filename : W0026_2012_F01.xls | Return Year : 2012] 0304/2013/10/10

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS **RELEASES TO WATERS** *Please enter all quantities in this section in KGs*

No. Annex II	Name	M/C/E	Method Used		Emission Point #	QUANTITY		
			Method Code	Designation or Description		T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
						0.0	0.0	0.0

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

SECTION B : REMAINING PRTR POLLUTANTS **RELEASES TO WATERS** *Please enter all quantities in this section in KGs*

No. Annex II	Name	M/C/E	Method Used		Emission Point #	QUANTITY		
			Method Code	Designation or Description		T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
						0.0	0.0	0.0

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

SECTION C : REMAINING POLLUTANT EMISSIONS (as required in your Licence) **RELEASES TO WATERS** *Please enter all quantities in this section in KGs*

Pollutant No.	Name	M/C/E	Method Used		Emission Point #	QUANTITY		
			Method Code	Designation or Description		T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
						0.0	0.0	0.0

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

4.3 RELEASES TO WASTEWATER OR SEWER [Link to previous years emissions data](#) [PRTR# : W0026 | Facility Name : Njwalswaha Landfill | Filename : W0026_2012_F01.xls | Return Year : 2012] 0304/2013/10/10

SECTION A : PRTR POLLUTANTS **OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATMENT OR SEWER** *Please enter all quantities in this section in KGs*

No. Annex II	Name	M/C/E	Method Used		Emission Point #	QUANTITY		
			Method Code	Designation or Description		T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
						0.0	0.0	0.0

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

SECTION 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 No.	Name	M/C/E	Method Used		Emission Point #	QUANTITY		
			Method Code	Designation or Description		T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
						0.0	0.0	0.0

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

4.4 RELEASES TO LAND [Link to previous years emissions data](#) [PRTR# : W0026 | Facility Name : Njwalswaha Landfill | Filename : W0026_2012_F01.xls | Return Year : 2012] 0304/2013/10/10

SECTION A : PRTR POLLUTANTS **RELEASES TO LAND** *Please enter all quantities in this section in KGs*

No. Annex II	Name	M/C/E	Method Used		Emission Point #	QUANTITY		
			Method Code	Designation or Description		T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
						0.0	0.0	0.0

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

SECTION B : REMAINING POLLUTANT EMISSIONS (as required in your Licence) **RELEASES TO LAND** *Please enter all quantities in this section in KGs*

Pollutant No.	Name	M/C/E	Method Used		Emission Point #	QUANTITY		
			Method Code	Designation or Description		T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
						0.0	0.0	0.0

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

5. ON-SITE TREATMENT & OFF-SITE TRANSFERS OF WASTE

EPF0101 - WASTE (PART 1) - FORMERLY CAUSE 1 (FORMERLY WASTE_2012_01) AND FORMERLY CAUSE 1 (FORMERLY WASTE_2012_01)

09/06/2019 10:11

Please enter all quantities on this sheet in Tonnes

Transfer/ Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	EPA Licence Reference (Licence Permit No of Prod. Destination Facility Name and Licence Permit No of Receiver/Client)	EPA Licence Reference of Prod. Destination Facility (Licence Permit No of Prod. Destination Facility Name and Licence Permit No of Receiver/Client)	Name and Contact Person (to be Address of Prod. Receiver / Client) (HAZARDOUS WASTE ONLY)	Actual Address of Prod. Destination (i.e. Prod. Receiver / Client Site) (HAZARDOUS WASTE ONLY)
						MIC/E	Method Used					
Within the County	20 03 01	No	174.0	mixed municipal waste	D1	M	Weighted	Offsite in Ireland	Druid Landfill W001-03			
Within the County	20 01 06	No	61.0	biodegradable kitchen and canteen waste	R3	M	Weighted	Offsite in Ireland	O' Toole Composting WPP-00-10-0005-01	Ballymore, Fenagh, Carlow, Ireland		
Within the County	15 01 01	No	172.0	paper and cardboard packaging	R12	M	Weighted	Offsite in Ireland	AES Ireland W0104-02	Cappinure, Tullamore, Co. Offaly, Ireland		
Within the County	20 01 01	No	157.0	paper and cardboard	R12	M	Weighted	Offsite in Ireland	AES Ireland W0104-02	Cappinure, Tullamore, Co. Offaly, Ireland		
Within the County	15 01 07	No	144.0	glass packaging	R5	M	Weighted	Offsite in Ireland	Rahat Glassco Ltd WPP-KC-00-0007-01	Oxentown Industrial Park, Caragh Road, Naas, Co. Kildare, Ireland		
Within the County	17 02 02	No	7.0	glass	R5	M	Weighted	Offsite in Ireland	John Gannon & Sons Ltd WPP-WM-2008-0007-01	Spike Hill, Quantree, Hazelwood, Baggin, Co. Westmeath, Ireland		
Within the County	15 01 04	No	17.0	metallic packaging	R4	M	Weighted	Offsite in Ireland	KMK Metals W0113-03	Cappinure Industrial Estate, Delingan Road, Tullamore, Offaly, Ireland		
Within the County	15 01 02	No	145.0	plastic packaging	R12	M	Weighted	Offsite in Ireland	AES Ireland W0104-02	Cappinure, Tullamore, Co. Offaly, Ireland		
Within the County	20 01 34	No	42.0	plastic	R12	M	Weighted	Offsite in Ireland	AES Ireland W0104-02	Offaly, Ireland		
Within the County	15 01 06	No	24.0	textile packaging	R12	M	Weighted	Offsite in Ireland	Textile Recycling Limited	Business Park, Greenogue Industrial Estate, Dublin, Ireland		
Within the County	16 06 01	Yes	1.06	lead batteries	R4	M	Weighted	Offsite in Ireland	KMK Metals W0113-03	Cappinure Industrial Estate, Delingan Road, Tullamore, Offaly, Ireland	KMK Metals W0113-03, Cappinure Industrial Estate, Delingan Road, Tullamore, Offaly, Ireland	Cappinure Industrial Estate, Delingan Road, Tullamore, Offaly, Ireland
Within the County	13 02 05	Yes		mineral-based non-chlorinated engine, gear oil and lubricating oils	R9	M	Weighted	Offsite in Ireland	Enva Ireland W0154-01	Cloonham Industrial Estate, Portlaoise, Laois, Ireland	ENVA Ireland Ltd W0154-01, Cloonham Industrial Estate, Portlaoise, Co. Laois, Ireland	Cloonham Industrial Estate, Portlaoise, Co. Laois, Ireland
Within the County	16 01 07	Yes	3.24	oil filters	R9	M	Weighted	Offsite in Ireland	Enva Ireland W0154-01	Cloonham Industrial Estate, Portlaoise, Laois, Ireland	ENVA Ireland Ltd W0154-01, Cloonham Industrial Estate, Portlaoise, Co. Laois, Ireland	Cloonham Industrial Estate, Portlaoise, Co. Laois, Ireland
Within the County	16 01 05	No	10.62	end-of-life tyres	R4	M	Weighted	Offsite in Ireland	Crumb Rubber Ireland Ltd WPP-LR-10-0005-01	Moontown, Drumcree, Dundale, Co. Louth, Ireland		
Within the County	20 01 40	No	135.0	metal	R4	M	Weighted	Offsite in Ireland	KMK Metals W0113-03	Cappinure Industrial Estate, Delingan Road, Tullamore, Offaly, Ireland		
Within the County	20 01 27	Yes	17.0	paint, ink, adhesives and resins containing dangerous substances	D8	M	Weighted	Offsite in Ireland	Enva Ireland W0154-01	Cloonham Industrial Estate, Portlaoise, Laois, Ireland	ENVA Ireland Ltd W0154-01, Cloonham Industrial Estate, Portlaoise, Co. Laois, Ireland	Cloonham Industrial Estate, Portlaoise, Co. Laois, Ireland
Within the County	19 07 03	No	12361.0	landfill leachate other than those mentioned in 19 07 02	D8	M	Weighted	Offsite in Ireland	Portlaoise Wastewater Treatment Plant, D0001-01	Ridge Road, Portlaoise, Co. Laois, Ireland		

* Values in italics may include entries for the description of waste from other than the waste holder

[Link to previous waste audit data](#)

[Link to previous waste audit summary data & periodicity chart](#)

A description of the activities/processes at the site for the reporting year:

Waste Disposal and Recovery operations are carried out at the site in accordance with the schedule of licensed activities. The site is licensed to accept the following categories of waste for disposal; household, commercial, construction & demolition and industrial non-hazardous wastes. The site also accepts wastes for recovery at the civic amenity area, which include glass bottles, car batteries, household batteries, light bulbs, gas cylinders, white goods, metal, aluminum cans, waste oil, waste oil filters, cooking oil, DVD, cd and video tapes, fridges, textiles, hard plastics, cardboard, tyres, plate glass, polystyrene, household hazardous waste and the WEEE facility.

Note:

Kyletalesha Landfill suspended Land filling activities in November 2012

Report on development works undertaken during the reporting period and a timescale for those proposed during the coming year.

Developments Undertaken in 2012:

In compliance with condition 4 of waste licence W0026-3 works on the capping of mini cell 15 (b) commenced in 2012.

In December 2012 Laois county council Landfill staff undertook the job of capping cell 15 b , The capping works commenced in December and it was anticipated that the works would be complete by early January however due to bad weather and a shortage of clay for capping the works continued in to January and February of 2013.

In compliance with condition 3.14.3 of waste licence W0026-3 landfill gas extraction wells were installed by Dempsey Drilling and supervised by Laois County Council Landfill staff into the lined Cell 15b in November 2012. A total of 8 vertical well were constructed by drilling to a depth of approximately 10m using a 600mm auger. Perforated HDPE pipes of 160mm diameter were placed in the borehole and backfilled with a suitable pea gravel material. The top of the well consists of a 160mm solid HDPE pipe which is connected to a well head. The boreholes were sealed with a bentonite material to prevent passive venting of landfill gas. Each well head is connected to the main gas line using a 125mm solid HDPE pipe.

In compliance with condition 3.5.1 of waste licence W0026-3 site roads were provided and maintained to ensure the safe movement of vehicles within the facility. The main access road through the landfill was resurfaced on a regular basis from a location past the wheel wash to the lined lagoon.

The upgrade of the public tipping area was completed October 2012 this included the building of a new reinforced wall and base to contain the Compactors. The wall was completed with a steel frame allowing easy access for the public for disposing of the rubbish. An updated signage system was put in place outlining what is and is not accepted at the landfill.

Horizontal landfill gas extraction wells were provided in cell 15b these works were carried out to the requirements of condition 3.14.3 of the waste license (W0026-3).

Security fencing around the flare and lagoons

Decommissioned the unlined lagoon, report of findings and monitoring to be submitted to the EPA on completion.

Parameter Exceedances

In 2012 an estimated 400 samples for perimeter landfill gas, groundwater, and surface water, and leachate, noise and dust deposition were taken and analyzed by either independent laboratories or the Council laboratory. This figure is exclusive of the comprehensive continuous monitoring which takes place on site. The maximum parameter values are those referred to in Schedule C of Waste Licence (W0026-3). Details of parameter Exceedances are presented in **Table 8.2**.

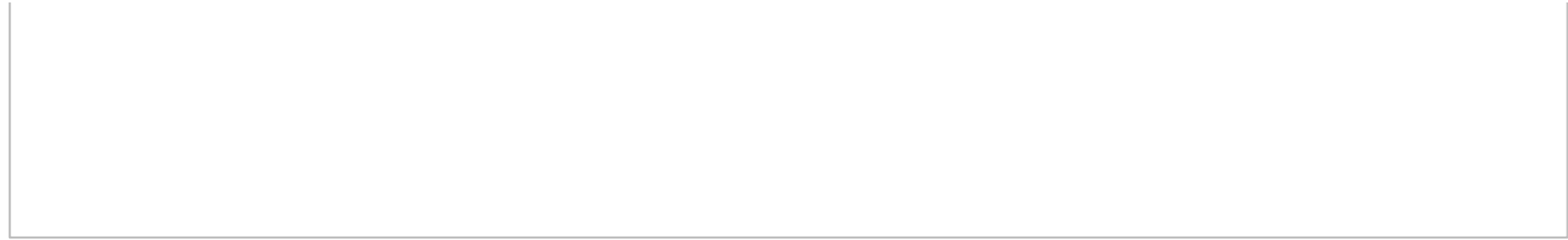


Table 8.2 Parameter Exceedances

Date	Description
26/06/2012	Elevated CO ₂
23/03/2012	Elevated CO ₂ & CH ₄ levels in LFG monitoring wells
28/03/2013	Elevated noise levels N3, N80 traffic main noise source
24/11/2012	Trigger level cell 15, due to bad weather
24/03/2012	Wheel wash Broken