

| | |
|---|---------------------------------------|
| SELECT | cells that are highlighted blue cont |
| <u>guidance document link</u> | cells that contain underlined text c |
| Table heading * | table headings followed by a symb |
| Cells with red indicator in top right corner | cells that have a red indicator in th |

:ain a dropdown menu click to select one option from the list

:lick to access relevant guidance documents for this section

ol have an associated footnote or instructions

ie top right corner contain a comment box with further instructions or clarification

| Facility Information Summary | |
|--|--|
| AER Reporting Year | 2012 |
| Licence Register Number | W0158-01 |
| Name of site | Ray Whelan Ltd |
| Site Location | Cappanaboe, Co Laois |
| NACE Code | 3821 |
| Class/Classes of Activity | 3.13, 3.11, 4.13, 4.2, 4.3, 4.4 |
| 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. | <p>Third Schedule of Waste Management Act 1996. Class 11. Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule: This activity is limited to the bulking and transfer of waste for disposal off-site.</p> <p>Class 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: This activity is limited to storage prior to the bulking and transfer of waste for disposal off-site.</p> <p>Fourth Schedule of Waste Management Act 1996. Class 2. Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes): This activity is limited to the segregation of cardboard, paper, wood, plastic and organic waste prior to recovery off-site.</p> <p>Class 3. Recycling or reclamation of metals and metal compounds: This activity is limited to the segregation of steel and metals prior to recovery off-site.</p> <p>Class 4. Recycling or reclamation of other inorganic materials:</p> |

Declaration:

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

| | | |
|---|-------------------|-----------------|
| Signature | Ray Whelan | Date |
| Group/Facility manager | Managing Director | 19th March 2013 |
| (or nominated, suitably qualified and experienced deputy) | | |

AIR-summary template Lic No: W0158-01 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 | dust deposition |

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? [Basic air monitoring checklist](#) [AGN2](#)

| | |
|-----|--|
| 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 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 |
|------------------------|----------------------|-------------------------|---------------------------------------|-----------------------------|----------------|---------------------|------------------------------|--------------------|-----------------------|--|
| D1 | dust deposition | 3 times/year | 350mg/m2/day | Daily average < ELV | max 24.87 | mg/m2/day | yes | lab | 0.006 | |
| D2 | dust deposition | 3 times/year | 350mg/m2/day | Daily average < ELV | max 6.69 | mg/m2/day | yes | lab | 0.001 | |
| D3 | dust deposition | 3 times/year | 350mg/m2/day | Daily average < ELV | max 30.46 | mg/m2/day | yes | lab | 0.007 | |
| | SELECT | | | SELECT | | SELECT | SELECT | SELECT | | |

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

| | | |
|------------------------------|------------------|------------|
| AIR-summary template | Lic No: W0158-01 | Year: 2012 |
| Continuous Monitoring | | |

4 Does your site carry out continuous air emissions monitoring?

If yes please review your continuous monitoring data and report the required fields below in Table 3 and compare it to its relevant Emission Limit Value (ELV)

5 Did continuous monitoring equipment experience downtime? If yes please record downtime in table 3 below

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

7 Did your site experience any abatement system bypasses? If yes please detail them in table 4 below

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 |
|------------------------|----------------------|--|------------------|---------------------|----------------------|-----------------|----------------|---------------------------------------|---|----------|
| | SELECT | | | SELECT | SELECT | | | | | |
| | SELECT | | | SELECT | SELECT | | | | | |
| | SELECT | | | SELECT | SELECT | | | | | |
| | SELECT | | | SELECT | SELECT | | | | | |
| | SELECT | | | SELECT | SELECT | | | | | |

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

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

| AIR-summary template | | Lic No: | W0158-01 | Year | 2012 | | | |
|--|----------------------------------|--|--|---|-------------------------------|-------------------------------------|-----------------------------------|---------------------------------------|
| Solvent use and management on site | | | | | | | | |
| 8 Do you have a total Emission Limit Value of direct and fugitive emissions on site? if yes please fill out tables A4 and A5 | | | | | No | | | |
| Table A4: Solvent Management Plan Summary Total VOC Emission limit value | | Solvent regulations Please refer to linked solvent regulations to complete table 5 and 6 | | | | | | |
| Reporting year | Total solvent input on site (kg) | Total VOC emissions to Air from entire site | Total VOC emissions as %of solvent input | Total Emission Limit Value (ELV) in licence or any revision thereof | Compliance | | | |
| | | | | | SELECT | | | |
| | | | | | SELECT | | | |
| Table A5: Solvent Mass Balance summary | | | | | | | | |
| | (I) Inputs (kg) | (O) Outputs (kg) | | | | | | |
| Solvent | (I) Inputs (kg) | Organic solvent emission in | 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: W0158-01 Year 2012

| | | Additional information |
|---|---|--|
| 1 | Does your site have licensed emissions direct to surface water or direct to sewer? If yes please complete table W2 and W3 below for the current reporting year and answer further questions. If you do not have licenced emissions you only need to complete table W1 and or W2 for surface water analysis and visual inspections | Yes The EPA licence states discharge limits. However, there are no emissions from the site direct to surface water. All site yard run off is drained into a blind sump for collection and disposal at a local effluent treatment plant. |
| 2 | Was it a requirement of your licence to carry out visual inspections on any surface water discharges or watercourses on or near your site? If yes please complete table W2 below summarising only any evidence of contamination noted during visual inspections | Yes see above |

Table W1 Surface water monitoring

| Location reference | Location relative to site activities | PRTR Parameter | Licenced Parameter | Monitoring date | ELV or trigger level in licence or any revision thereof* | Licence Compliance criteria | Measured value | Unit of measurement | Compliant with licence | Comments |
|--------------------|--------------------------------------|----------------|--------------------|-----------------|--|-----------------------------|----------------|---------------------|------------------------|---------------------|
| Final Disc Point | onsite | SELECT | pH | quarterly | none set | N/A | see Table W3 | | yes | No direct discharge |
| Final Disc Point | onsite | | Conductivity | quarterly | none set | N/A | see Table W3 | | Yes | No direct discharge |
| Final Disc Point | onsite | | BOD | quarterly | 25 mg/l | All values < ELV | see Table W3 | mg/L | Yes | No direct discharge |
| Final Disc Point | onsite | | Suspended Solids | quarterly | 60 mg/l | All values < ELV | see Table W3 | mg/L | Yes | No direct discharge |
| Final Disc Point | onsite | | Ammonia (as N) | quarterly | none set | N/A | see Table W3 | | Yes | No direct discharge |
| | | SELECT | Mineral oils | quarterly | 5 mg/l | All values < ELV | see Table W3 | mg/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.

| Location Reference | Date of inspection | Description of contamination | Source of contamination | Corrective action | Comments |
|--------------------|--------------------|------------------------------|-------------------------|-------------------|----------|
| | | | 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 External/Internal Lab. Assessment of Quality checklist results checklist |

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 ^{Note 2} | Licence Compliance criteria | Measured value | Unit of measurement | Compliant with licence | Method of analysis | Procedural reference source | Procedural reference standard number | Annual mass load (kg) | Comments |
|------------------------|----------------------|--|----------------|-------------------------|------------------|--|-----------------------------|----------------|---------------------|------------------------|--------------------|-----------------------------|--------------------------------------|-----------------------|---------------------|
| Eff 1 | No direct release | pH | discrete | bi annual | SELECT | none set | not applicable | max 7.28 | pH units | yes | DISCRETE METHODS | SELECT | | | No direct discharge |
| Eff 1 | No direct release | BOD | discrete | bi annual | | none set | not applicable | max 391 | mg/L | yes | DISCRETE METHODS | | | 227.94 | No direct discharge |
| EFF 1 | no direct release | COD | discrete | bi annual | | none set | not applicable | max 910 | mg/L | yes | DISCRETE METHODS | | | 386 | No direct discharge |
| Eff 1 | No direct release | suspended solids | discrete | bi annual | | none set | not applicable | max 670 | mg/L | yes | DISCRETE METHODS | | | 341.73 | No direct discharge |
| Eff 1 | No direct release | Ammonia (as N) | discrete | bi annual | | none set | not applicable | max 37.8 | mg/L | yes | DISCRETE METHODS | | | 12.8 | No direct discharge |
| Eff 1 | No direct release | Mineral oils | discrete | bi annual | | none set | not applicable | max 189 | mg/L | yes | DISCRETE METHODS | | | 163.73 | No direct discharge |
| Eff 1 | | Fats, Oils and Greases | discrete | bi annual | | none set | not applicable | max 704 | mg/L | yes | DISCRETE METHODS | | | 158.7 | No direct discharge |

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

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER) Lic No: W0158-01 Year 2012

Continuous monitoring

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

No

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

SELECT

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

SELECT

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

SELECT

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 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 |
|------------------------|----------------------|----------------------|--|------------------|---------------------|----------------------|---|---|---------------------------------------|---|----------|
| | 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/Pipeline testing template Lic No: W0158-01 Year 2012

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**

1 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)

4 How many bunds are on site?

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

6 How many mobile bunds are on site?

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

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

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

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

Please list any sump integrity failures in table B1

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

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

| | |
|----------------|----------------------|
| Yes | 1 x underground sump |
| 3 years | |
| Yes | |
| 0 | 1 x underground sump |
| 0 | 1 x underground sump |
| 0 | |
| No | not applicable |
| not applicable | |
| 1 | 1 x underground sump |
| 1 | 1 x underground sump |
| Yes | 1 x underground sump |
| Yes | |

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) |
|-------------------------------|------|--------------------|---------------------|-----------------|--------------------|------------------------|-----------------|-----------|---------------------------------------|-----------------|--|-------------------------|---------------------------|---|
| not applicable | | | | | | | | | | | | | 2013 | |
| SELECT | | | | | | SELECT | | | SELECT | | | SELECT | | |

* 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 are all structures tested in

14 line with BS8007/EPA Guidance?

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

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

[bundling and storage guidelines](#)

| | |
|----------------|--|
| not applicable | |
| not applicable | |
| not applicable | |

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

1 underground structures and pipelines on site **which failed the integrity test**

2 Please provide integrity testing frequency period

| | |
|---------|--|
| Yes | |
| 3 years | |

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) |
|--------------|--------------|---------------------------|---|-------------------------------|------------------------|---------------------------------------|-----------------|--|-------------------------|---------------------------|---|
| Blind sump | foul & storm | concrete | No | SELECT | Combination | Yes | Pass | | | 2013 | SELECT |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

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

Groundwater/Soil monitoring template

Lic No:

W0158-01

Year

2012

| | Comments |
|--|---|
| 1 Are you required to carry out groundwater monitoring as part of your licence requirements? | yes annual monitoring at 1 on-site borehole location |
| 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 submitted to EPA |
| 9 Has any type of risk assessment been carried out for the site? | yes submitted to EPA |
| 10 Has a Conceptual Site Model been developed for the site? | yes submitted to EPA |
| 11 Have potential receptors been identified on and off site? | yes submitted to EPA |
| 12 Is there evidence that contamination is migrating offsite? | no not applicable |

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 |
|------------------|---------------------------|----------------------|--------------|----------------------|-------------------------|------------------------|------------|--------|----------|---|--|
| 16/06/2012 | GW1 | pH | lab analysis | Annually | 7.4 | | units | | | | no |
| 16/06/2012 | GW1 | Conductivity | lab analysis | Annually | 0.25 | | ms/cm@25oC | | | | no |
| 16/06/2012 | GW1 | Ammonia | lab analysis | Annually | <0.2 | | mg/l | | | | no |
| 16/06/2012 | GW1 | Mineral oils | lab analysis | Annually | 147 | | ug/l | | | | yes |

.+ 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 |
|------------------|---------------------------|----------------------|-------------|----------------------|-----------------------|-----------------------|--------|--------|----------|---|---|
| | | | | | | | SELECT | | | | SELECT |
| | | | | | | | SELECT | | | | SELECT |

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

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

[Groundwater regulations](#) [Drinking water \(private supply\) standards](#)
[Surface water EQS](#) [GTV's](#) [Drinking water \(public supply\) standards](#)

Groundwater/Soil monitoring template

Lic No:

W0158-01

Year

2012

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

[Interim Guideline
Values \(IGV\)](#)

Environmental Liabilities template

Lic No:

W0158-01

Year

2012

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

| | | Commentary | |
|----|---|---|---------------------------------|
| 1 | ELRA initial agreement status | Submitted and not agreed by EPA; | Submitted to EPA in August 2005 |
| 2 | ELRA review status | Review required and not completed; | Submitted to EPA in August 2005 |
| 3 | Amount of Financial Provision cover required as determined by the latest ELRA | € 50,000 | to be agreed with EPA |
| 4 | Financial Provision for ELRA status | Submitted and not agreed by EPA; | Submitted to EPA in August 2005 |
| 5 | Financial Provision for ELRA - amount of cover | to be agreed with EPA | Submitted to EPA in August 2005 |
| 6 | Financial Provision for ELRA - type | bank guarantee | to be agreed with EPA |
| 7 | Financial provision for ELRA expiry date | to be determined | to be agreed with EPA |
| 8 | Closure plan initial agreement status | closure plan submitted and not agreed by EPA; | Submitted to EPA in August 2005 |
| 9 | Closure plan review status | Review required and not completed | Submitted to EPA in August 2005 |
| 10 | Financial Provision for Closure status | Submitted and not agreed by EPA; | Submitted to EPA in August 2005 |
| 11 | Financial Provision for Closure - amount of cover | to be determined | to be agreed with EPA |
| 12 | Financial Provision for Closure - type | bank guarantee | to be agreed with EPA |
| 13 | Financial provision for Closure expiry date | to be determined | to be agreed with EPA |

| | | |
|---|------------------|-----------|
| Environmental Management Programme/Continuous Improvement Programme template | Lic No: W0158-01 | Year 2012 |
|---|------------------|-----------|

| Highlighted cells contain dropdown menu click to view | Additional Information |
|---|---|
| 1 Do you maintain an Environmental Mangement System (EMS) for the site. If yes, please detail in additional information | Yes Site EMS based on ISO 140001, but not certified. |
| 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 | compliance with licence | 90 | regular monitoring | Section Head | Increased compliance with licence conditions |
| Reduction of emissions to Wastewater | compliance with licence | 90 | regular monitoring | Section Head | Increased compliance with licence conditions |
| Materials Handling/Storage/Bunding | increase recycling rates | 90 | sorting/improved handling | Section Head | Improved Environmental Management Practices |
| Additional improvements | good housekeeping | 70 | site management | Section Head | Increased compliance with licence conditions |
| SELECT | | SELECT | | SELECT | SELECT |

Noise monitoring summary report Lic No: W0158-01 Year: 2012

- 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? not required
- 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 _{eq} | LA ₉₀ | LA ₁₀ | LA _{max} | Tonal or Impulsive noise* (Y/N) | If tonal /impulsive noise was identified was 5dB penalty applied? | Comments (ex. main noise sources on site, & extraneous noise ex. road traffic) | Is site compliant with noise limits (day/evening/night)? |
|--------------------|-------------|--------------------------|---|------------------|------------------|------------------|-------------------|---------------------------------|---|--|--|
| 16/6/12 | 30 mins | N1 | | 63.1 | 44.5 | 60.4 | | No | SELECT | site operating | SELECT |
| 16/6/12 | 30 mins | N2 | | 57.5 | 38.8 | 52.2 | | No | | site operating | |
| 16/6/12 | 30 mins | N3 | | 44.8 | 34 | 46.9 | | No | | site operating | |
| 16/6/12 | 30 mins | N4 | | 50.6 | 38.5 | 54.6 | | No | | site operating | |
| 16/6/12 | 30 mins | NSL1 | Yes | 58.5 | 36.4 | 48.9 | | No | | noise from passing traffic | 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?

| |
|--|
| ** 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:

W0158-01

Year

2012

Additional information

- 1 When did the site carry out the most recent energy efficiency audit? Please list the recommendations in table 3 below
[SEAI - Large](#)
- Is the site a member of any accredited programmes for reducing energy usage/water conservation such
[Industry Energy](#)
[Network \(LIEN\)](#)
- 2 as the SEAI programme linked to the right? If yes please list them in additional information
- Where Fuel Oil is used in boilers on site is the sulphur content compliant with licence conditions? Please state percentage in
 additional information
- 3

| | |
|-----------------|----------------|
| not carried out | |
| no | |
| SELECT | not applicable |

| Energy Use | Previous year | Current year | Production +/- % compared to previous reporting year** | Energy Consumption +/- % vs overall site production* |
|--|---------------|--------------|--|--|
| Total Energy Used (MWHrs) | 15.2 | 16.7 | -5.40% | 17% |
| Total Energy Generated (MWHrs) | 0 | 0 | | |
| Total Renewable Energy Generated (MWHrs) | 0 | 0 | | |
| Electricity Consumption (MWHrs) | 15.2 | 16.7 | | |
| Fossil Fuels Consumption: | | | | |
| Heavy Fuel Oil (m3) | 775 | 852 | | |
| Light Fuel Oil (m3) | 0 | 0 | | |
| Natural gas (CMN) | 0 | 0 | | |
| Coal/Solid fuel (metric tonnes) | 0 | 0 | | |
| Peat (metric tonnes) | 0 | 0 | | |
| Renewable Biomass | 0 | 0 | | |
| Renewable energy generated on site | 0 | 0 | | |

* 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 | 0 | 0 | | | | | | |
| Surface water | 0 | 0 | | | | | | |
| Public supply | 0 | 0 | | | | | | |
| Recycled water | unmetered | unmetered | unmetered | unmetered | unmetered | unmetered | unmetered | unmetered |
| 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: W0158-01 Year 2012

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 | | | | | |

| | | |
|---|-------------------------------------|------------------------------------|
| WASTE SUMMARY | Lic No: W0158-01 | Year: 2012 |
| SECTION A-PRTR ON SITE WASTE TREATMENT AND WASTE TRANSFERS TAB- TO BE COMPLETED BY ALL IPPC AND WASTE FACILITIES | PRTR facility logon | dropdown list click to see options |

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

1 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)

| | |
|------------------------|--|
| Additional Information | |
| Yes | |

If yes please enter details in table 1 below

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

| | |
|----|--|
| No | |
| No | |

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

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

| Licensed annual tonnage limit for your site (total tonnes/annum) | EWC code | Source of waste accepted | Description of waste accepted Please enter an accurate and detailed description - which European Waste Catalogue EWC codes | 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 - |
|--|----------|---|--|---|--|---|--|---|---|---|------------|
| 28,380 | 200301 | 20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS | mixed municipal waste | 22,239.44 | 20,970 | 5.7% (+) | | 0% | D14-Repackaging prior to submission to any of the operations numbered D1 to D13 | | |
| | 200301 | 20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS | mixed dry recyclables | 4,132.92 | 6,307 | 7.6% (-) | | 25% | R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage) | | |
| Included in above | 200301 | 20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS | mixed commercial waste | 1,725.56 | included in mixed dry recyclables | included in mixed dry recyclables | | 0% | R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage) | | |
| Included in above | 200101 | 20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS | cardboard | 170.14 | 603 | 254% (-) | | 100% | R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage) | | |
| Included in above | 200102 | 20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS | glass | 166.82 | 359 | 85% (-) | | 100% | R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage) | | |
| Included in above | 200139 | 20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS | plastic | 7.88 | included in mixed dry recyclables | included in mixed dry recyclables | | 100% | R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage) | | |

| | | | | |
|---------------|---------|----------|------|------|
| WASTE SUMMARY | Lic No: | W0158-01 | Year | 2012 |
|---------------|---------|----------|------|------|

WASTE SUMMARY Lic No: W0158-01 Year 2012

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 |
|---|---|---|---|---|--|---|---|----------|
| | | | | | | | | |

+.+ 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 | | | | | |

*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?

SELECT

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

SELECT

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

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

Table 7 Landfill Gas-Landfill only

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