| Facility Information Summary | |
|---|---|
| AER Reporting Year | 2016 |
| Licence Register Number | W0240-01 |
| Name of site | AES Nenagh |
| Site Location | Springfort Cross, Solsborough, Nenagh, Co. Tipperary |
| NACE Code | 3821 |
| Class/Classes of Activity | Schedule 3 - Classes 11, 12 & **13(PA);** Schedule 4 - Classes 2, 3, 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.

AES Nenagh acts as the principal waste transfer facility for AES in the Munster region servicing waste collections from Clare, Limerick City & County, Tipperary and some parts of Offaly. Domestic waste services include a glass bin and compost bin service in selected areas. in addition the facilty operates a small civic amenity area and accepts waste from the public to the site. All wastes are received over the facilty weighbridge and unloaded within the waste reception building (or the designated Civic Amenity Area). Residual wastes are bulked and sent for further treatment (Recovery) or disposal at landfill. Separately collected recyclables are transferred from AES Nenagh to AES Tullamore for processing. Similary other seperately collected fractions are sent for further processing to various waste operators in Ireland. Waste received in 2016 was within the total waste acceptance allowed under the Waste Licence. There were 3 minor incidents reported to the Agency in 2016 in relation to breach of ELVs. In May and October for exceedance of dust ELV's and in August for elevate ammonia above ELVs of 50mg/l in SE1 Emissions to sewer. The EPA conducted a site visit in September and found the site to be compliant with the Licence Conditions.

**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.

Charlotte Greene

09/05/17

**CHARLOTTE GREENE**
Environmental Officer

Date

## AIR-summary template

Lic No: W0240-01 Year 2016

**Answer all questions and complete all tables where relevant**

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

### 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 | Yes | |
| 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 | Total Particulates | Quarterly | 350mg/m2/day | 100 % of values < ELV | 212 | mg/m2/day | yes | Gravmetric | | |
| D2 | Total Particulates | Quarterly | 350mg/m2/day | 100 % of values < ELV | 316 | mg/m2/day | no (if no please enter details in comments box) | Gravmetric | | Exceedance of licence limit of 350mg/m2/day with a result of 414mg/m2/day |
| D3 | Total Particulates | Quarterly | 350mg/m2/day | 100 % of values < ELV | 361 | mg/m2/day | yes | Gravmetric | | |
| D4 | Total Particulates | Quarterly | 350mg/m2/day | 100 % of values < ELV | 123 | mg/m2/day | yes | Gravmetric | | |

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

### Continuous Monitoring

| | | | |
|---|---|---|---|
| 4 | Does your site carry out continuous air emissions monitoring? | No | |
| | If yes please review your continuous monitoring data and report the required fields below in Table 3 and compare it to its relevant Emission Limit Value (ELV) | | |
| 5 | Did continuous monitoring equipment experience downtime? If yes please record downtime in table 3 below | No | |
| 6 | Do you have a proactive service agreement for each piece of continuous monitoring equipment? | No | |
| 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 therof | 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 | | | | | |

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

**Table A3: Abatement system bypass reporting table** Bypass protocol

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

* this should include all dates that an abatement system bypass occurred

** an accurate record of time bypass beginning and end should be logged on site and maintained for future Agency inspections please refer to bypass protocol link

### Solvent use and management on site

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

**Table A4: Solvent Management Plan Summary Total** Solvent regulations Please refer to linked solvent regulations

| 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 therof | Compliance |
|---|---|---|---|---|---|
| | | | | | SELECT |
| | | | | | SELECT |

**Table A5: Solvent Mass Balance summary**

| | (I) Inputs (kg) | (O) Outputs (kg) | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Solvent | (I) Inputs (kg) | Organic solvent emission in waste gases(kg) | Solvents lost in water (kg) | Collected waste solvent (kg) | Fugitive Organic | Solvent released in other ways e.g. | Solvents destroyed onsite | Total emission of Solvent to air (kg) |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | Total | |

**AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)** Lic No: W0240-01 Year 2016

| | | | 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 | Storm water from roof and yards is collected onsite through the storm water collection system and passed trhough an oil interceptor prior to discharging at SW1 to the local drainage network to the north of the site. Foulwater from the waste processing building and the bin wash area is collected through the foulwater collection system passed through an oil interceptor and then pumped from the foulwater collection chamber (SE1) to the mains foul sewer |
| 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 | No evidence of contamination was found during 2016 visual inspections |

**Table W1 Surface water monitoring**

| Location reference | Location relative to site activities | PRTR Parameter | Licenced Parameter | ELV or trigger level in licence or any revision thereof* | Licence Compliance criteria | Measured value | Annual Average | Unit of measurement | Compliant with licence | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

*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)**

| | | | | Additional information |
|---|---|---|---|---|
| 3 | Was there any result in breach of licence requirements? If yes please provide brief details in the comment section of Table W3 below | | Yes | |
| 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 | External /Internal Lab Quality checklist / Assessment of results checklist | Yes | |

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

| Emission reference no: | Emission released to | Parameter/ SubstanceNote 1 | Type of sample | Frequency of monitoring | Averaging period | ELV or trigger values in licence or any revision therof | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Annual Average | | | | | | | |
| SE1 | Wastewater/Sew | pH | composite | Monthly | Monthly | 6 to 10 | No pH value shall deviate from the specified range. | 7.3 | pH units | yes | pH Meter (Electrode) | APHA / AWWA "Standard Methods" | Method 4500 H+B | | |
| SE1 | Wastewater/Sew | COD | composite | Monthly | Monthly | 3000 | All values < ELV | 383 | mg/L | yes | Spectrophotometry (Colorimetry) | APHA / AWWA "Standard Methods" | 5220D, Closed Reflux, colourimetric method | | |
| SE1 | Wastewater/Sew | BOD | composite | Quarterly | Quarterly | 1000 | All values < ELV | 243 | mg/L | yes | Dissolved Oxygen Meter (Electrode) | APHA / AWWA "Standard Methods" | Method 5210-B | | |
| SE1 | Wastewater/Sew | Ammonia (as N) | composite | Quarterly | Quarterly | 50 | All values < ELV | 21 | mg/L | no (if no please enter details in comments box) | Spectrophotometry (Colorimetry) | APHA / AWWA "Standard Methods" | Method 4500-CN--E | | one exceedances on the 04/05/16 with a results of 59mg/l |
| SE1 | Wastewater/Sew | Suspended Solids | composite | Monthly | Monthly | 1000 | All values < ELV | 182 | mg/L | yes | Gravimetric analysis | APHA / AWWA "Standard Methods" | 2540D | | |
| SE1 | Wastewater/Sew | Hydrocarbons | composite | Quarterly | Quarterly | - | | 1.8 | mg/L | | GC (Gas Chromatography) | | | | |
| SE1 | Wastewater/Sew | Sulphate | composite | Quarterly | Quarterly | 500 | All values < ELV | 65 | mg/L | yes | Ion Chromatography | APHA / AWWA "Standard Methods" | Method 4110B. | | |
| SE1 | Wastewater/Sew | Fats, Oils and Greases | composite | Quarterly | Quarterly | 100 | All values < ELV | 18 | mg/L | yes | Gravimetric analysis | APHA / AWWA "Standard Methods" | Method 5520B | | |
| SE1 | Wastewater/Sew | Detergents (as MBAS) | composite | Quarterly | Quarterly | 100 | All values < ELV | 0.85 | mg/L | yes | Spectrophotometry (Colorimetry) | APHA / AWWA "Standard Methods" | Method 5540C | | |
| SE1 | Wastewater/Sew | Ortho-phosphate (as PO4) | composite | Quarterly | Quarterly | - | All values < ELV | 2.6 | mg/L | | Spectrophotometry (Colorimetry) | APHA / AWWA "Standard Methods" | Method 4110B | | |
| SW-1 | Water | pH | discrete | Monthly | Monthly | 6.5-9.5 | No pH value shall deviate from the specified range. | 7.3 | pH units | yes | pH Meter (Electrode) | APHA / AWWA "Standard Methods" | Method 4500 H+B | | |
| SW-1 | Water | Conductivity | discrete | Monthly | Monthly | 1000 | All results < 1.2 x ELV | 366 | µS/cm @20oC | yes | Conductivity Meter (Electrode) | APHA / AWWA "Standard Methods" | Method 2510B | | |
| SW-1 | Water | COD | discrete | Monthly | Monthly | 130 | All results < 1.2 x ELV | 36 | mg/L | yes | Spectrophotometry (Colorimetry) | APHA / AWWA "Standard Methods" | 5220D, Closed Reflux, colourimetric method | | |
| SW-1 | Water | Ammonia (as N) | discrete | Quarterly | Quarterly | 2.5 | All results < 1.2 x ELV | 0.82 | mg/L | yes | Spectrophotometry (Colorimetry) | APHA / AWWA "Standard Methods" | Method 4500-CN--E | | |
| SW-1 | Water | Suspended Solids | discrete | Monthly | Monthly | 57 | All results < 1.2 x ELV | 48 | mg/L | no (if no please enter details in comments box) | Gravimetric analysis | APHA / AWWA "Standard Methods" | 2540D | | one exceedance in September with a results of 84mg/l |
| SW-1 | Water | Mineral oils | discrete | Quarterly | Quarterly | 0.01 | All results < 1.2 x ELV | 0.13 | mg/L | no (if no please enter details in comments box) | GC (Gas Chromatography) | | | | One exceedance in june with a results of 0.13mg/l all other results <0.01mg/l |

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

**Continuous monitoring**

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

| AER Monitoring returns summary template-WATER/WASTEWATER(SEWER) | Lic No: | W0240-01 | Year | 2016 |
|---|---|---|---|---|

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: W0240-01 Year 2016

Bund testing — dropdown menu click to see options

| | | | Additional information |
|---|---|---|---|
| 1 | 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** | Yes | |
| 2 | Please provide integrity testing frequency period | 3 years | |
| 3 | 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) | Yes | |
| 4 | How many bunds are on site? | 7 | |
| 5 | How many of these bunds have been tested witin the required test schedule? | 7 | |
| 6 | How many mobile bunds are on site? | 6 | |
| 7 | Are the mobile bunds included in the bund test schedule? | Yes | |
| 8 | How many of these mobile bunds have been tested witin the required test schedule? | 6 | |
| 9 | How many sumps on site are included in the integrity test schedule? | 2 | |
| 10 | How many of these sumps are integrity tested within the test schedule? | 0 | |
| | **Please list any sump integrity failures in table B1** | | |
| 11 | Do all sumps and chambers have high level liquid alarms? | No | |
| 12 | If yes to Q11 are these failsafe systems included in a maintenance and testing programme? | N/A | |

**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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bund 1, Concrete Bund | reinforced concrete | | Road Diesel | 56250 | 41000 | Hydraulic test | | 26/09/2016 | Yes | Pass | | SELECT | | |
| Oil Bund 1 | prefabricated | | Hydraulic Oils | 264 | 220 | Hydraulic test | | 31/03/2016 | Yes | Pass | | | | |
| Oil Bund 2 | prefabricated | | Hydraulic Oils | 264 | 220 | Hydraulic test | | 31/03/2016 | Yes | Pass | | | | |
| Oil Bund 3 | prefabricated | | Hydraulic Oils | 264 | 220 | Hydraulic test | | 31/03/2016 | Yes | Pass | | | | |
| Oil Bund 4 | prefabricated | | Hydraulic Oils | 264 | 55 | Hydraulic test | | 31/03/2016 | Yes | Pass | | | | |
| Oil Bund 5 | prefabricated | | Hydraulic Oils | 264 | 55 | Hydraulic test | | 31/03/2016 | Yes | Pass | | | | |
| Bund 6 Quarantine Zon | prefabricated | | Paints, Gas cylinders, Spent | 264 | 220 | Hydraulic test | | 31/03/2016 | Yes | Pass | | | | |

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

| | | | Commentary |
|---|---|---|---|
| 14 | 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) | Yes | |
| 15 | Are channels/transfer systems to remote containment systems tested? | Yes | |
| 16 | Are channels/transfer systems compliant in both integrity and available volume? | Yes | |

Pipeline/underground structure testing

| | | | |
|---|---|---|---|
| 1 | 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** | Yes | |
| 2 | Please provide integrity testing frequency period | 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Storm Water Pipelines | Storm | Mix (please specify) | No | SELECT | CCTV | Yes | Pass | | | | SELECT |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

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

| Groundwater/Soil monitoring template | Lic No: | W0240-01 | Year | 2016 |
|---|---|---|---|---|

| | | | Comments |
|---|---|---|---|
| 1 | Are you required to carry out groundwater monitoring as part of your licence requirements? | no | |
| 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) | no | |
| 6 | Have actions been taken to address contamination issues?If yes please summarise remediation strategies proposed/undertaken for the site | N/A | |
| 7 | Please specify the proposed time frame for the remediation strategy | N/A | |
| 8 | Is there a licence condition to carry out/update ELRA for the site? | N/A | |
| 9 | Has any type of risk assesment been carried out for the site? | N/A | |
| 10 | Has a Conceptual Site Model been developed for the site? | N/A | |
| 11 | Have potential receptors been identified on and off site? | N/A | |
| 12 | Is there evidence that contamination is migrating offsite? | N/A | |

**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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | SELECT | | | | SELECT |
| | | | | | | | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 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)

Surface water EQS | Groundwater regulations GTV's | Drinking water (private supply) standards | Drinking water (public supply) standards | Interim Guideline Values (IGV)

**Groundwater/Soil monitoring template** Lic No: W0240-01 Year 2016

**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: | W0240-01 | Year | 2016 |
|---|---|---|---|---|

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

| | | | Commentary |
|---|---|---|---|
| 1 | ELRA initial agreement status | Submitted and agreed by EPA | |
| 2 | ELRA review status | Review required and completed | |
| 3 | Amount of Financial Provision cover required as determined by the latest ELRA | Specify | €173,484 |
| 4 | Financial Provision for ELRA status | Required but not submitted | |
| 5 | Financial Provision for ELRA - amount of cover | To be agreed | |
| 6 | Financial Provision for ELRA - type | Other please specify | PCG |
| 7 | Financial provision for ELRA expiry date | Enter expiry date | |
| 8 | Closure plan initial agreement status | Closure plan submitted and agreed by E | |
| 9 | Closure plan review status | | |
| 10 | Financial Provision for Closure status | Required but not submitted | |
| 11 | Financial Provision for Closure - amount of cover | To be agreed | |
| 12 | Financial Provision for Closure - type | Other please specify | PCG |
| 13 | Financial provision for Closure expiry date | Enter expiry date | |

**Environmental Management Programme/Continuous Improvement Programme template** Lic No: W0240-01 Year 2016

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 | |

**Environmental Management Programme (EMP) report**

| Objective Category | Target | Status (% completed) | How target was progressed | Responsibility | Intermediate outcomes |
|---|---|---|---|---|---|
| Reduction of emissions to Air | Eliminate the frequency of breach of Emission limit values in Dust | 100 | Repair and install roller shutter door on waste processing building | Individual | Reduced emissions |
| Groundwater protection | Zero risk to groundwater from site activities | 20 | All Sumps and underground tanks to be assessed for structural integrity | Individual | Increased compliance with licence conditions |
| Reduction of emissions to Water | Construct Firewater Retention Wall | 100% | SEW prepared and approved by the Agency in 2011, Works completed in 2016 | Individual | Increased compliance with licence conditions |
| Waste reduction/Raw material usage efficiency | Diversion of biodegradable waste from landfill | 100 | Roll out of bin services in the following towns: Cloughjordan, Shinrone, Borriskane by 1st July 2016. | Section Head | Increased compliance with licence conditions |
| Energy Efficiency/Utility conservation | Implementation of ISO 50001 | 35 | Compliance team is taking a course run by SEAI in ISO 50001 implementation. - Initial Energy Review underway. 2017 working towards Certification | Section Head | Improved Environmental Management Practices |
| Energy Efficiency/Utility conservation | Reduction of fuel usage in 2016 | 100 | Supatrac technology to be installed on all vehicles and drivers are currently being trained on this new technology to ensure fleet efficiency. This will also allow for greater visibility and management with regards to fuel usage. Route optimisation is ongoing. | Individual | Reduced emissions |
| Materials Handling/Storage/Bunding | Zero risk to groundwater from site activities | 60 | Structural repairs to internal shed floor; concrete reparis to damged sections of the yard outside the waste processing shed - areas earmarked for 2017 budget | Section Head | Increased compliance with licence conditions |
| Materials Handling/Storage/Bunding | Structural Repairs to cladding on shed | 30 | Remove and replace the cladding on the western wall of the waste processing shed where panel is damaged | Individual | Installation of infrastructure |
| Waste reduction/Raw material usage efficiency | Rainwater harvesting and reuse | 25 | reuse harvested rainwater in bin washing | Individual | Improved Environmental Management Practices |
| Additional improvements | Purchase of new Waste collection vehicles | 25 | Purchase new RCVs, and skip trucks | Individual | Reduced emissions |

| Noise monitoring summary report | Lic No: | W0240-01 | Year | 2016 |
|---|---|---|---|---|

| | | |
|---|---|---|
| 1 Was noise monitoring a licence requirement for the AER period? If yes please fill in table N1 noise summary below | | Yes |
| 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? | | No |

**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)? |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 5th & 8th December 2016 | 30 Mins | N1 | | 58-69 | 57-75 | 46-52 | 82-83 | No | SELECT | Site –AES trucks entering yard & engines left running while on weighbridge. People talking on weighbridge audible. Reversing beacons on trucks. Sweeping and cleaning of rubbish in yard by wash are audible.(40m) Van engine parked and revving next to noise meter → LAFmax Round 1 Background – Heavy traffic on the Limerick Road (dominant). Bird singing. Alarm was sounding during run 1. | No |
| 5th & 8th December 2016 | 30 Mins | N2 | | 57-58 | 56-59 | 47-49 | 80-82 | No | | Site – Lorry's idling on weighbridge. Passing site traffic (mostly trucks/lorry) + associated banging and rattling chains on AES skips. Banging from waste shed. Reversing alarms on trucks/machinery. Machinery operating in recycling shed. Revering truck engine within 2m of meter. Background – Constant Traffic on Limerick road. Bird singing, Dog barking loudly. | Yes |
| 5th & 8th December 2016 | 30 Mins | N3 | | 62-65 | 63-67 | 50-52 | 81-88 | No | | Site – Lorries idling in yard awaiting entry to waste storage area loading & unloading skips. Rev. alarms, chains rattling. Front loader banging on ground in front of shed, Reversing truck engine within 2-3m of meter. Skip offloaded LAFmax Round 1 Background – Passing traffic on the Dark Road and Bird singing | No |
| 5th & 8th December 2016 | 30 Mins | N4 | | 53-58 | 56-60 | 46-53 | 75-78 | No | | Site – Machinery operating in waste shed with reversing alarms. Banging of skips Background – Passing road traffic on the Kilcolman and Dark Road → Dominant. Work on roof of house across the road from site domain noise source during round 1 | No |
| 5th & 8th December 2016 | 30 Mins | | NSL-1 | 56-61 | 57-60 | 48-52 | 77-87 | No | | Site – Occasional lorries entering/exiting site (25m). Movement of lorries. Rattling of skip chains. Reversing beacons. Background – Heavy traffic on Limerick, Kilcolman and Dark Roads → Dominant Bird calls | Yes |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 5th & 8th December 2016 | 30 Mins | | NSL-2 | 53-54 | 52-53 | 46-48 | 75-81 | No | | Site – Lorry engines + reversing alarms Sweeper occasionally faintly audible.<br>Background – Constant heavy traffic on Limerick & Kilcolman Roads → Dominant Bird singing. Sirens audible during run 3 | 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? | nothing** |

| |
|---|
| ** 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: W0240-01 Year 2016

| | | | 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 | SEAI - Large Industry Energy Network (LIEN) SELECT | |
| 3 | Where Fuel Oil is used in boilers on site is the sulphur content compliant with licence conditions? Please state percentage in additional information | SELECT | |

Table R1 Energy usage on site

| Energy Use | Previous year | Current year | Production +/- % compared to previous reporting year** | Energy Consumption +/- % vs overall site production* |
|---|---|---|---|---|
| Total Energy Used (MWHrs) | 3246.91 | 3205.28 | | |
| Total Energy Generated (MWHrs) | | | | |
| Total Renewable Energy Generated (MWHrs) | | | | |
| Electricity Consumption (MWHrs) | 29.97 | 31.086 | | |
| Fossil Fuels Consumption: | | | | |
| Heavy Fuel Oil (m3) | | | | |
| Light Fuel Oil (m3) | 316.359 | 312.15529 | | |
| Natural gas (CMN) | | | | |
| Coal/Solid fuel (metric tonnes) | | | | |
| Peat (metric tonnes) | | | | |
| Renewable Biomass | | | | |
| Renewable energy generated on site | | | | |

| Conversion | | |
|---|---|---|
| Kerosene | 0.009821 | MWh/ltr |
| Gasoil | 0.010165 | kWh/ltr |
| Med FO | 0.010786 | kWh/ltr |
| DERV | 0.010169 | kWh/ltr |
| Petrol | 0.009269 | kWh/ltr |

| | 2015 | 2016 |
|---|---|---|
| DERV | 287334 | 282990.29 |
| Gas Oil | 29025 | 29165 |
| | 2921.90 | 2877.73 |
| | 295.04 | 296.46 |
| | 3216.94 | 3174.19 |

* 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

Table R2 Water usage on site

| | | | | | Water Emissions | Water Consumption | |
|---|---|---|---|---|---|---|---|
| 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* | Volume Discharged back to environment($m^3$/yr): | Volume used i.e not discharged to environment e.g. released as steam m3/yr | Unaccounted for Water: |
| Groundwater | | | | | | | |
| Surface water | | | | | | | |
| Public supply | | | | | | | |
| 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

Table R3 Waste Stream Summary

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

**Resource Usage/Energy efficiency summary** Lic No: W0240-01 Year 2016

Table R4: Energy Audit finding recommendations

| Date of audit | Recommendations | Description of Measures proposed | Origin of measures | Predicted energy savings % | Implementation date | Responsibility | Completion date | Status and comments |
|---|---|---|---|---|---|---|---|---|
| | | | SELECT | | | | | |
| | | | SELECT | | | | | |
| | | | SELECT | | | | | |

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

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

## Complaints and Incidents summary template

Lic No: W0240-01 Year 2016

### Complaints

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

Table 1 Complaints summary

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

### Incidents

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

| | |
|---|---|
| *For information on how to report and what constitutes an incident | What is an incident |

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 reoccurence |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| May-16 | Breach of ELV | Licenced discharge point (SE1 | 1. Minor | Sewer | Operational controls | | Normal activities | EPA | New | AES Nenagh site manager and yard manager have been reminded of the importance of managing water on the site. | All water on the site will be managed to ensure high ammonia levels do not reoccur in sewer emissions. | Complete | 01/08/2016 | Low |
| 04/05/2016 | Breach of ELV | Licenced discharge point (D2 & D3) | 1. Minor | Air | Not related to site activities | Dissolved Bird waste and insects in dust gauge | Normal activities | EPA | New | Dust gauges cleaned and hedges to be cut back more regularly. | Ensure large items such as insects are removed from gauges before they breakdown and hedges are cut back. | Complete | 08/07/2016 | Low |
| 10/11/2016 | Breach of ELV | Licenced discharge point (D2) | 1. Minor | Air | Operational controls | Solids | Normal activities | EPA | New | On collection of the dust gauges the Environmental technician contacted the yard supervisor and explained how he found the dust gauge lodged in the hedge. | Ensure all drivers are made aware of the dust monitoring locations to prevent tampering/damage when reversing; Ensure the dust gauges are checked to be free and correctly fixed during daily site walkovers | Complete | 10/01/2017 | Low |

| | |
|---|---|
| Total number of incidents current year | 3 |
| Total number of incidents previous year | 3 |
| % reduction/ increase | 0% |

| WASTE SUMMARY | Lic No: | W0240-01 | Year | 2016 |
|---|---|---|---|---|
| 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**

| | | | Additional Information |
|---|---|---|---|
| 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 If yes please enter details in table 1 below | Yes | |
| 2 | Did your site have any rejected consignments of waste in the current reporting year? If yes please give a brief explanation in the additional information | 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 | 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)**

| Licenced annual tonnage limit for your site (total tonnes/annum) | EWC code<br>European Waste Catalogue EWC codes | Source of waste accepted | Description of waste accepted<br>**Please enter an accurate and detailed description - which applies to relevant EWC code**<br>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 - |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *24750* | 15 01 01 | 15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED | Paper and cardboard packaging | 672.91 | 641.556 | 5% | *Increase in Commercial waste intake* | *100%* | R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage) | *4* | |
| | 15 01 02 | 15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED | plastic packaging | 159.48 | 175.345 | -9% | *Waste stream diverted from site* | *100%* | R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage) | | |
| | 15 01 03 | 15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED | Wooden packaging | 354.97 | 188.3 | 89% | *Increase in Commercial waste intake* | *100%* | R3-Recycling/reclamation or organic substances which are not used as solvents(including composting asnother biological transformation processes)which includes gasification and pyrolisis | | |
| | 15 01 04 | 15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED | Metallic Packaging | 1.4 | 0 | 100% | *improved coding practices* | | | | |
| | 15 01 07 | 15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED | Glass Packaging | 421.44 | 371.0401 | 14% | *Increase in Commercial waste intake* | *100%* | R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage) | *14* | |
| | 17 01 02 | 17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES) | Bricks | 0 | 7.04 | 100% | *greater segregation at source* | *0%* | R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage) | | |
| | 170201 | 17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES) | Wood from C&D sources | 116.9 | 90.82 | 29% | *Increase in C& D activities* | *0%* | R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage) | *11* | |
| | 170202 | 17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES) | Glass from C&D sources | 0 | 6.44 | 100% | *diversion of waste stream* | *0%* | R5-Recycling/reclamation or other inorganic materials which includes soil celaning resuling in recovery of the soil and recycling of inorganic construction materials | | |
| | 170203 | 17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES) | | 0 | 0.82 | 100% | *diversion of waste stream* | *0%* | | | |
| | 170407 | 17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES) | Mixed C&D Metals | 45 | 51.13 | -12% | *diversion of waste stream* | *0%* | R4- Recycling/reclamation of metals and metal compounds | | |

| WASTE SUMMARY | | | | | Lic No: | W0240-01 | | Year | 2016 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 17 09 04 | 17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES) | Mixed Construction & Demolition wastes (non-hazardous) | 224.6 | 27.78 | 708% | *increase in C&D activity* | *0%* | R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage) | | |
| | 18 01 04 | 18- WASTES FROM HUMAN OR ANIMAL HEALTH CARE AND/OR RELATED RESEARCH (except kitchen and restaurant wastes not arising from immediate RESEARCH (except kitchen and restaurant wastes not arising from immediate health care) | Non-Hazardous Hospital waste | 0.56 | 0 | 100% | *new waste stream* | *0%* | R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage) | | |
| | 190801 | 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 | Screenings (wastes from waste water treatment plants not otherwise specified) | 0 | 2.92 | -100% | *diversion of waste stream* | *0%* | R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage) | | |
| | 200102 | 20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS | Municipal Glass | 23 | 27.7 | -17% | *diversion of waste stream* | *0%* | R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage) | | |
| | 200108 | 20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS | Biodegradable kitchen and canteen waste | 1689.112 | 1591.41 | 100% | *increase in waste generation* | *0%* | R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage) | | |
| | 200138 | 20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS | Municipal Wood | 1.46 | 1.42 | 3% | *no significant change* | *0%* | R3-Recycling/reclamation or organic substances which are not used as solvents(including composting asnother biological transformation processes)which includes gasification and pyrolisis | | |
| | 200139 | 20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS | Municipal Plastic | 224.2 | 220.332 | 2% | *no significant change* | *0%* | R3-Recycling/reclamation or organic substances which are not used as solvents(including composting asnother biological transformation processes)which includes gasification and pyrolisis | *6* | |
| | 200140 | 20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS | Municipal Metals | 110.9 | 76.97 | 44% | *improved coding practices* | *0%* | R4- Recycling/reclamation of metals and metal compounds | *1.5* | |
| | 20 02 01 | 20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS | Biodegradable wastes (from garden and Park wastes) | 0.8 | 2.74 | -71% | *diversion of waste stream* | *0%* | R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage) | | |

| WASTE SUMMARY | | | | | | Lic No: | W0240-01 | Year | 2016 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 20 03 01 | 20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS | Mixed Municipal Waste | 15460.74 | 14563.05 | 6% | *no significant change* | *0%* | R12-Exchange of waste for submission to any of the operations numbered R1 to R11 (if there is no other R code appropriate, this can include preliminary operations prior to recovery including pre-processing such as amongst others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging, seperating, blending or mixing prior to submission to any of the operations numbered R1 to R11) | *60* | |
| | 20 03 01 | 20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS | Mixed Recyclable Waste | 4307.7076 | 4417.1068 | -2% | *no significant change* | *0%* | R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage) | *25* | |
| | 20 03 03 | 20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS | Street-Cleansing residues | 249.52 | 254.23 | -2% | *no significant change* | *0%* | R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage) | | |
| | 20 03 07 | 20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS | Bulky Waste | 669.8 | 806.622 | -17% | *diversion of waste stream* | *0%* | R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage) | *14* | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

**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 | SELECT | |
| 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 | SELECT | |
| | SELECT | |
| 6 Does your facility have relevant nuisance controls in place? | SELECT | |
| 7 Do you have an odour management system in place for your facility? If no why? | SELECT | |
| 8 Do you maintain a sludge register on site? | 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 |
|---|---|---|---|---|
| | | | | |
| | | | | |
| | | | | |
| | | | | |

**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 | | | | | | | | | | | | | |

| WASTE SUMMARY | Lic No: | W0240-01 | Year | 2016 |
|---|---|---|---|---|

**Table 4 Environmental monitoring-landfill on** Landfill Manual-Monitoring Standards

| Was meterological 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 | 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 | |

Environmental Protection Agency

Guidance to completing the PRTR workbook

# PRTR Returns Workbook

Version 1.1.19

| | |
|---|---|
| **REFERENCE YEAR** | 2016 |

## 1. FACILITY IDENTIFICATION

| | |
|---|---|
| Parent Company Name | Advanced Environmental Solutions (Ireland) Limited |
| Facility Name | Advanced Environmental Solutions (Ireland) Limited (Nenagh) |
| PRTR Identification Number | W0240 |
| Licence Number | W0240-01 |

Classes of Activity

| No. | class_name |
|---|---|
| - | Refer to PRTR class activities below |

| | |
|---|---|
| Address 1 | Solsborough |
| Address 2 | Springfort Cross |
| Address 3 | Nenagh |
| Address 4 | |
| | |
| | Tipperary |
| Country | Ireland |
| Coordinates of Location | -8.22389 52.85971 |
| River Basin District | IEGBNISH |
| NACE Code | 3900 |
| Main Economic Activity | Remediation activities and other waste management services |
| **AER Returns Contact Name** | Charlotte Greene |
| **AER Returns Contact Email Address** | charlotte.greene@bnm.ie |
| **AER Returns Contact Position** | Environmental Officer |
| **AER Returns Contact Telephone Number** | 045439492 |
| **AER Returns Contact Mobile Phone Number** | 0877697465 |
| **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** | 1 |
| **User Feedback/Comments** | incorrect NACE Code listed - Correct Code is 3821 Treatment and Disposal of Non-Hazardous Waste |
| **Web Address** | http://www.aesirl.ie |

## 2. PRTR CLASS ACTIVITIES

| Activity Number | Activity Name |
|---|---|
| 5(c) | Installations for the disposal of non-hazardous waste |

## 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) ? | |

**4.1 RELEASES TO AIR** Link to previous years emissions data | PRTR# : W0240 | Facility Name : Advanced Environmental Solutions (Ireland) Limited (Nenagh) | Filename : w0240_2016.xls | Return Year : 2016 | 09/05/2017 23:32

**SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS**

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

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

**SECTION B : REMAINING PRTR POLLUTANTS**

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

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

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

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

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

## Additional Data Requested from Landfill operators

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

**Landfill:** Advanced Environmental Solutions (Ireland) Limited (Nenagh)

| **Please enter summary data on the quantities of methane flared and / or utilised** | T (Total) kg/Year | M/C/E | Method Used: Method Code | Method Used: Designation or Description | Facility Total Capacity m3 per hour | |
|---|---|---|---|---|---|---|
| Total estimated methane generation (as per site model) | 0.0 | | | | N/A | |
| Methane flared | 0.0 | | | | 0.0 | (Total Flaring Capacity) |
| Methane utilised in engine/s | 0.0 | | | | 0.0 | (Total Utilising Capacity) |
| Net methane emission (as reported in Section A above) | 0.0 | | | | N/A | |

## 4.2 RELEASES TO WATERS

Link to previous years emissions data



### 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

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

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

### SECTION B : REMAINING PRTR POLLUTANTS

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

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

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

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

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

## 4.3 RELEASES TO WASTEWATER OR SEWER

Link to previous years emissions data



### 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 | | | |
| | | | Method Used | | | | | |
| No. Annex II | Name | M/C/E | Method Code | Designation or Description | Emission Point 1 | T (Total) KG/Year | A (Accidental) KG/Year | F (Fugitive) KG/Year |
| | | | | | 0.0 | 0.0 | 0.0 | 0.0 |

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

### SECTION 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 | | | |
| | | | Method Used | | | | | |
| Pollutant No. | Name | M/C/E | Method Code | Designation or Description | Emission Point 1 | T (Total) KG/Year | A (Accidental) KG/Year | F (Fugitive) KG/Year |
| | | | | | 0.0 | 0.0 | 0.0 | 0.0 |

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

**4.4 RELEASES TO LAND** Link to previous years emissions data | PRTR# : W0240 | Facility Name : Advanced Environmental Solutions (Ireland) Limited (Nenagh) | Filename : w0240_2016.xls | Return Year : 2016 09/05/2017 23:37

**SECTION A : PRTR POLLUTANTS**

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

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

**5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE** | PRTR# : W0240 | Facility Name : Advanced Environmental Solutions (Ireland) Limited (Nenagh) | Filename : w0240_2016.xls | Return Year : 2016 | 09/05/2017 23:39

**Please enter all quantities on this sheet in Tonnes** 59

| Transfer Destination | European Waste Code | Hazardous | Quantity (Tonnes per Year) | Description of Waste | Waste Treatment Operation | Method Used | | Location of Treatment | Haz Waste : Name and Licence/Permit No of Next Destination Facility Non Haz Waste: Name and Licence/Permit No of Recover/Disposer | Haz Waste : Address of Next Destination Facility Non Haz Waste: Address of Recover/Disposer | Name and License / Permit No. and Address of Final Recoverer / Disposer (HAZARDOUS WASTE ONLY) | Actual Address of Final Destination i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | M/C/E | Method Used | | | | | |
| Within the Country | 13 05 07 | Yes | 0.0 | oily water from oil/water separators | D9 | M | Weighed | Offsite in Ireland | ENVA Ireland Ltd.,W0184-01 | Clonminam Industrial Estate,Portlaoise,Co. Laois,.,Ireland | ENVA Ireland Ltd.,W0184-01,Clonminam Industrial Estate,Portlaoise,Co. Laois,.,Ireland | Clonminam Industrial Estate,Portlaoise,Co. Laois,.,Ireland |
| Within the Country | 13 05 07 | Yes | 0.0 | oily water from oil/water separators | D9 | M | Weighed | Offsite in Ireland | Padraic Thornton Waste Disposal Ltd trading as Thorntons Recycling,WFP-KE-10-0061-01 | Unit S3B ,Henry Road,Park West Business Park,Dublin,Ireland | Rilta Environmental Limited,W0192-03,Block 402 Grant's Drive,Greenogue Business Park,Rathcoole,County Dublin,Ireland | Block 402 Grant's Drive,Greenogue Business Park,Rathcoole,County Dublin,Ireland |
| Within the Country | 15 01 01 | No | 190.4 | paper and cardboard packaging | R13 | M | Weighed | Offsite in Ireland | AES Tullamore,W0104-03 | Cappincur Industrial Estate,Daingean Road,Tullamore,Co. Offaly,Ireland | | |
| Within the Country | 15 01 01 | No | 250.421 | paper and cardboard packaging | R13 | M | Weighed | Offsite in Ireland | Greenstar Ltd,W0082-02 | Ballykeefe Townland ,Dock Road,Limerick,.,Ireland | | |
| Within the Country | 15 01 01 | No | 0.0 | paper and cardboard packaging | R13 | M | Weighed | Offsite in Ireland | Irish Packaging Recycling,W0263-01 | Ballymount Road,Walkinstown,Dublin,12 ,Ireland | | |
| Within the Country | 15 01 01 | No | 0.0 | paper and cardboard packaging | R13 | M | Weighed | Offsite in Ireland | Greenstar Ltd,W0082-02 | Ballykeefe Townland ,Dock Road,Limerick,.,Ireland | | |
| Within the Country | 15 01 02 | No | 65.68 | plastic packaging | R3 | M | Weighed | Offsite in Ireland | Leinster Environmentals,WP 2008/06 | Clermont Business Park,Haggardstown,Dundalk, Co. Louth,Ireland | | |
| Within the Country | 15 01 02 | No | 0.0 | plastic packaging | R13 | M | Weighed | Offsite in Ireland | Irish Packaging Recycling,W0263-01 | Ballymount Road,Walkinstown,Dublin,12 ,Ireland | | |
| Within the Country | 15 01 02 | No | 0.0 | plastic packaging | R13 | M | Weighed | Offsite in Ireland | AES Tullamore,W0104-03 | Cappincur Industrial Estate,Daingean Road,Tullamore,Co. Offaly,Ireland | | |
| Within the Country | 15 01 03 | No | 0.0 | wooden packaging | R3 | M | Weighed | Offsite in Ireland | CJ SHeeran ,P0337-01 | Mountrath Sawmills ,Shannon Street Mountrath,Co. Laois,.,Ireland | | |
| Within the Country | 15 01 03 | No | 0.0 | wooden packaging | R3 | M | Weighed | Offsite in Ireland | Thomas O'Neill (Timber recycling) Ltd,WFP/LK/2012/05B/R1 | 18 Upper William Street,Limerick,.,.,Ireland | | |
| Within the Country | 15 01 03 | No | 512.58 | wooden packaging | R13 | M | Weighed | Offsite in Ireland | Clonmel Waste Disposal Ltd,WFP-TS-11-0001-01 | Lawlesstown,Clonmel,Co. Tipperary,.,Ireland | | |
| Within the Country | 15 01 03 | No | 0.0 | wooden packaging | R13 | M | Weighed | Offsite in Ireland | Irish Packaging Recycling,W0263-01 | Ballymount Road,Walkinstown,Dublin,12 ,Ireland | | |
| Within the Country | 15 01 03 | No | 0.0 | wooden packaging | R13 | M | Weighed | Offsite in Ireland | AES Tullamore,W0104-03 | Cappincur Industrial Estate,Daingean Road,Tullamore,Co. Offaly,Ireland | | |
| Within the Country | 15 01 03 | No | 0.0 | wooden packaging | R13 | M | Weighed | Offsite in Ireland | Paddy Daly,. | Killmainham,Kells,Co. Meath,.,Ireland | | |
| Within the Country | 15 01 03 | No | 0.0 | wooden packaging | R13 | M | Weighed | Offsite in Ireland | Thomas O'Neill (Timber recycling) Ltd,WFP/LK/2012/05B/R1 | 18 Upper William Street,Limerick,.,.,Ireland | | |
| Within the Country | 15 01 03 | No | 0.0 | wooden packaging | R13 | M | Weighed | Offsite in Ireland | Paddy Daly,. | Killmainham,Kells,Co. Meath,.,Ireland | | |
| Within the Country | 15 01 04 | No | 0.0 | metallic packaging | R13 | M | Weighed | Offsite in Ireland | KMK Metals Recycling Ltd,W0113-03 | Cappincur Industrial Estate,Daingean Road,Tullamore,Offaly,Ireland | | |
| Within the Country | 15 01 07 | No | 439.42 | glass packaging | R5 | M | Weighed | Offsite in Ireland | Rehab Glassco Ltd,WFP-KE-08-0357-01 | Unit 4 Osberstown Industrial Park,Caragh Road,Naas,Co. Kildare,Ireland | | |
| Within the Country | 17 01 01 | No | 0.0 | concrete | R13 | M | Weighed | Offsite in Ireland | Drehid Waste Management Facility,W0201-03 | Killinagh Upper,Carbury,Co. 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: Name and Licence/Permit No of Recover/Disposer | Haz Waste : Address of Next Destination Facility Non Haz Waste: Address of Recover/Disposer | Name and License / Permit No. and Address of Final Recoverer / Disposer (HAZARDOUS WASTE ONLY) | Actual Address of Final Destination i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | M/C/E | Method Used | | | | | |
| Within the Country | 17 01 01 | No | 227.44 | concrete | R13 | M | Weighed | Offsite in Ireland | Williams Sand & Gravel,WFT-TS-09-0084-01 | Carrickconeen,.,Co. Tipperary,.,Ireland | | |
| Within the Country | 17 01 02 | No | 0.0 | bricks | R13 | M | Weighed | Offsite in Ireland | Paddy Daly,. | Killmainham,Kells,Co. Meath,.,Ireland | | |
| Within the Country | 17 01 07 | No | 0.0 | mixture of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06 | R13 | M | Weighed | Offsite in Ireland | Gortadroma Landfill Site Limerick Co. Co.,W0017-04 | Gortadroma,Ballyhahill,Limerick,.,Ireland | | |
| Within the Country | 17 02 01 | No | 0.0 | wood | R3 | M | Weighed | Offsite in Ireland | Thomas O'Neill (Timber recycling) Ltd,WFP/LK/2012/05B/R1 | 18 Upper William Street,Limerick,.,.,Ireland | | |
| Within the Country | 17 02 01 | No | 0.0 | wood | R13 | M | Weighed | Offsite in Ireland | Thomas O'Neill (Grain Merchant) Ltd,WP LK 05(a) | 18 Upper William Street,Limerick,.,.,Ireland | | |
| Within the Country | 17 02 01 | No | 12.78 | wood | R13 | M | Weighed | Offsite in Ireland | Clonmel Waste Disposal Ltd,WFP-TS-11-0001-01 | Lawlesstown,Clonmel,Co. Tipperary,.,Ireland | | |
| Within the Country | 17 02 01 | No | 0.0 | wood | R13 | M | Weighed | Offsite in Ireland | Paddy Daly,. | Killmainham,Kells,Co. Meath,.,Ireland | | |
| Within the Country | 17 04 05 | No | 0.0 | iron and steel | R13 | M | Weighed | Offsite in Ireland | United Metals ,WFP/LK/2010/147A/R1 | Eastway Business Park,Ballysimon,Limerick,.,Ireland | | |
| Within the Country | 17 04 07 | No | 0.0 | mixed metals | R13 | M | Weighed | Offsite in Ireland | Clearcircle Metals (formerly Hegarty Metal Recycling Ltd.),WFP-LKC-11-001-01 | Ballysimon Road,Limerick,.,.,Ireland | | |
| Within the Country | 17 04 07 | No | 199.91 | mixed metals | R13 | M | Weighed | Offsite in Ireland | United Metals ,WFP/LK/2010/147A/R1 | Eastway Business Park,Ballysimon,Limerick,.,Ireland | | |
| Within the Country | 17 04 11 | No | 0.0 | cables other than those mentioned in 17 04 10 | R13 | M | Weighed | Offsite in Ireland | United Metals ,WFP/LK/2010/147A/R1 | Eastway Business Park,Ballysimon,Limerick,.,Ireland | | |
| Within the Country | 17 09 04 | No | 0.0 | mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03 | D1 | M | Weighed | Offsite in Ireland | Gortadroma Landfill Site Limerick Co. Co.,W0017-04 | Gortadroma,Ballyhahill,Limerick,.,Ireland | | |
| Within the Country | 17 09 04 | No | 0.0 | mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03 | R13 | M | Weighed | Offsite in Ireland | United Metals ,WFP/LK/2010/147A/R1 | Eastway Business Park,Ballysimon,Limerick,.,Ireland | | |
| Within the Country | 20 01 01 | No | 0.0 | paper and cardboard | R13 | M | Weighed | Offsite in Ireland | AES Tullamore,W0104-03 | Cappincur Industrial Estate,Daingean Road,Tullamore,Co. Offaly,Ireland | | |
| Within the Country | 20 01 08 | No | 1635.59 | biodegradable kitchen and canteen waste | R3 | M | Weighed | Offsite in Ireland | Acorn Recycling,W0249-01 | Archerstown Industrial Estate,Thurles,Co. Tipperary,.,Ireland | | |
| Within the Country | 20 01 08 | No | 0.0 | biodegradable kitchen and canteen waste | R3 | M | Weighed | Offsite in Ireland | Miltown Compostng Ltd,W0270-01 | Milltown More & Moorstown,Fethard,Co. Tipperary,.,Ireland | | |
| Within the Country | 20 01 08 | No | 0.0 | biodegradable kitchen and canteen waste | R3 | M | Weighed | Offsite in Ireland | Drehid Waste Management Facility,W0201-03 | Killinagh Upper,Carbury,Co. Kildare,.,Ireland | | |
| Within the Country | 20 01 36 | No | 0.0 | discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35 | R13 | M | Weighed | Offsite in Ireland | KMK Metals Recycling Ltd,W0113-03 | Cappincur Industrial Estate,Daingean Road,Tullamore,Offaly,Ireland | | |
| Within the Country | 20 01 36 | No | 0.0 | discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35 | R13 | M | Weighed | Offsite in Ireland | KMK Metals Recycling Ltd,W0113-03 | Cappincur Industrial Estate,Daingean Road,Tullamore,Offaly,Ireland | | |
| Within the Country | 20 01 39 | No | 0.0 | plastics | R13 | M | Weighed | Offsite in Ireland | Irish Packaging Recycling,W0263-01 | Ballymount Road,Walkinstown,Dublin,12,Ireland | | |
| Within the Country | 20 01 39 | No | 0.0 | plastics | R13 | M | Weighed | Offsite in Ireland | Thorntons Recycling Ltd,W0044-02 | Killeen Road,Ballyfermot,Dublin,10,Ireland | | |
| Within the Country | 20 01 39 | No | 0.0 | plastics | R13 | M | Weighed | Offsite in Ireland | Leinster Environmentals,WP 2008/06 | Clermont Business Park,Haggardstown,Dundalk, Co. Louth,Ireland | | |
| Within the Country | 20 01 40 | No | 23.48 | metals | R13 | M | Weighed | Offsite in Ireland | Clearcircle Metals (formerly Hegarty Metal Recycling Ltd.),WFP-LKC-11-001-01 | Ballysimon Road,Limerick,.,.,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: Name and Licence/Permit No of Recover/Disposer | Haz Waste : Address of Next Destination Facility Non Haz Waste: Address of Recover/Disposer | Name and License / Permit No. and Address of Final Recoverer / Disposer (HAZARDOUS WASTE ONLY) | Actual Address of Final Destination i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | M/C/E | Method Used | | | | | |
| Within the Country | 20 01 40 | No | 0.0 | metals | R13 | M | Weighed | Offsite in Ireland | Irish Packaging Recycling,W0263-01 | Ballymount Road,Walkinstown,Dublin,12 ,Ireland | | |
| Within the Country | 20 01 40 | No | 1.1 | metals | R13 | M | Weighed | Offsite in Ireland | United Metals ,WFP/LK/2010/147A/R1 | Eastway Business Park,Ballysimon,Limerick,.,Ireland | | |
| Within the Country | 20 02 01 | No | 0.0 | biodegradable waste | R3 | M | Weighed | Offsite in Ireland | Thomas O'Neill (Timber recycling) Ltd,WFP/LK/2012/05B/R1 | 18 Upper William Street,Limerick,.,.,Ireland | | |
| Within the Country | 20 03 01 | No | 0.0 | mixed municipal waste | D13 | M | Weighed | Offsite in Ireland | Midland Waste Disposal Ltd (AES Navan),W0131-02 | Proudstown Road,Clonmagadden Navan,Co Meath,.,Ireland | | |
| Within the Country | 20 03 01 | No | 10964.875 | mixed municipal waste | D5 | M | Weighed | Offsite in Ireland | Drehid Waste Management Facility,W0201-03 | Killinagh Upper,Carbury,Co. Kildare,.,Ireland | | |
| Within the Country | 20 03 01 | No | 0.0 | mixed municipal waste | D5 | M | Weighed | Offsite in Ireland | Gortadroma Landfill Site Limerick Co. Co.,W0017-04 | Gortadroma,Ballyhahill,Limer ick,.,Ireland | | |
| Within the Country | 20 03 01 | No | 0.0 | mixed municipal waste | R12 | M | Weighed | Offsite in Ireland | Thorntons Recycling Ltd,W0044-02 | Killeen Road,Ballyfermot,Dublin,10,I reland | | |
| Within the Country | 20 03 01 | No | 0.0 | mixed municipal waste | R13 | M | Weighed | Offsite in Ireland | O'Toole Composting Ltd,WFP-CW-10-0003-01 | Ballintrane,Fenagh,Carlow,.,I reland | | |
| Within the Country | 20 03 01 | No | 0.0 | mixed recyclable waste | R13 | M | Weighed | Offsite in Ireland | Killarney Waste Disposal Ltd (KWD),W0217-01 | Aughacurreen ,Killarney ,Co. Kerry,.,Ireland | | |
| Within the Country | 20 03 01 | No | 0.0 | mixed municipal waste | R12 | M | Weighed | Offsite in Ireland | AES Tullamore,W0104-03 | Cappincur Industrial Estate,Daingean Road,Tullamore,Co. Offaly,Ireland | | |
| Within the Country | 20 03 01 | No | 0.0 | mixed municipal waste | D5 | M | Weighed | Offsite in Ireland | Drehid Waste Management Facility,W0201-03 | Killinagh Upper,Carbury,Co. Kildare,.,Ireland | | |
| **Within the Country** | **20 03 01** | **No** | 0.0 | mixed municipal waste | D1 | M | Weighed | Offsite in Ireland | Kyletalesha Landfill Laois Co. Co.,W0026-03 | Clonsoughy Kyleclonhobert ,Portlaoise,Co. Laois,.,Ireland | | |
| Within the Country | 20 03 01 | No | 0.0 | mixed municipal waste | D1 | M | Weighed | Offsite in Ireland | Gortadroma Landfill Site Limerick Co. Co.,W0017-04 | Gortadroma,Ballyhahill,Limer ick,.,Ireland | | |
| Within the Country | 20 03 01 | No | 0.0 | mixed municipal waste | R13 | M | Weighed | Offsite in Ireland | AES Tullamore,W0104-03 | Cappincur Industrial Estate,Daingean Road,Tullamore,Co. Offaly,Ireland | | |
| Within the Country | 20 03 01 | No | 4737.24 | Mixed Dry Recyclables | R13 | M | Weighed | Offsite in Ireland | AES Tullamore,W0104-03 | Cappincur Industrial Estate,Daingean Road,Tullamore,Co. Offaly,Ireland | | |
| Within the Country | 20 03 01 | No | 0.0 | mixed municipal waste | R13 | M | Weighed | Offsite in Ireland | Midland Waste Disposal Ltd (AES Navan),W0131-02 | Proudstown Road,Clonmagadden Navan,Co Meath,.,Ireland | | |
| Within the Country | 20 03 01 | No | 0.0 | mixed municipal waste | R3 | M | Weighed | Offsite in Ireland | Drehid Waste Management Facility,W0201-03 | Killinagh Upper,Carbury,Co. Kildare,.,Ireland | | |
| Within the Country | 20 03 01 | No | 1146.42 | mixed municipal waste | R1 | M | Weighed | Offsite in Ireland | Indaver (Ireland) Ltd,W0167-03 | Carranstown,Dulleek,Co Meath,.,Ireland | | |
| Within the Country | 20 03 01 | No | 3488.79 | mixed municipal waste | R13 | M | Weighed | Offsite in Ireland | AES Portlaoise,W0194-02 | Kyletalesha,Mountmellick Road,Portlaoise,Co Laois,Ireland | | |
| Within the Country | 20 03 03 | No | 513.68 | street-cleaning residues | D5 | M | Weighed | Offsite in Ireland | Drehid Waste Management Facility,W0201-03 | Killinagh Upper,Carbury,Co. Kildare,.,Ireland | | |
| Within the Country | 20 03 07 | No | 0.0 | bulky waste | R13 | M | Weighed | Offsite in Ireland | Nurendale Ltd. T/A Panda Waste Services,W0140-04 | Rathdrinagh,Beauparc Navan,Co. Meath,.,Ireland | | |
| Within the Country | 20 03 07 | No | 0.0 | bulky waste | R13 | M | Weighed | Offsite in Ireland | Midland Waste Disposal Ltd (AES Navan),W0131-02 | Proudstown Road,Clonmagadden Navan,Co Meath,.,Ireland | | |
| Within the Country | 20 03 07 | No | 0.0 | bulky waste | R13 | M | Weighed | Offsite in Ireland | Kyletalesha Landfill Laois Co. Co.,W0026-03 | Clonsoughy Kyleclonhobert ,Portlaoise,Co. Laois,.,Ireland | | |
| Within the Country | 20 03 07 | No | 0.0 | bulky waste | R13 | M | Weighed | Offsite in Ireland | AES Tullamore,W0104-03 | Cappincur Industrial Estate,Daingean Road,Tullamore,Co. Offaly,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: Name and Licence/Permit No of Recover/Disposer | Haz Waste : Address of Next Destination Facility Non Haz Waste: Address of Recover/Disposer | Name and License / Permit No. and Address of Final Recoverer / Disposer (HAZARDOUS WASTE ONLY) | Actual Address of Final Destination i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | M/C/E | Method Used | | | | | |
| Within the Country | 20 03 07 | No | 0.0 | bulky waste | R13 | M | Weighed | Offsite in Ireland | O'Toole Composting Ltd,WFP-CW-10-0003-01 | Ballintrane,Fenagh,Carlow,.,Ireland | | |
| Within the Country | 20 03 07 | No | 0.0 | bulky waste | R13 | M | Weighed | Offsite in Ireland | AES Portlaoise,W0194-02 | Kyletalesha,Mountmellick Road,Portlaoise,Co Laois,Ireland | | |
| Within the Country | 20 03 07 | No | 0.0 | bulky waste | R13 | M | Weighed | Offsite in Ireland | O'Toole Composting Ltd,WFP-CW-10-0003-01 | Ballintrane,Fenagh,Carlow,.,Ireland | | |
| Within the Country | 20 03 01 | No | 74.34 | mixed municipal waste | D5 | M | Weighed | Offsite in Ireland | Ballynagran Landfill Ltd,W0165-02 | Ballynagran ,Coolbeg and Kilcandra ,Co Wicklow.,.,Ireland | | |
| Within the Country | 20 03 01 | No | 285.1 | mixed municipal waste | D5 | M | Weighed | Offsite in Ireland | Knockharley Landfill Ltd,W0146-02 | Knockharley ,., Navan , Co. Meath.,Ireland | | |

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