| | |
|---|---|
| SELECT | cells that are highlighted blue cont |
| guidance document link | 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 |

Please note an interpretation of results is still required. This should be e
appropriately to fit your interpretation, if additional space is required plea
template should have all cells sized appropri

tain a dropdown menu click to select one option from the list

click to access relevant guidance documents for this section

ool have an associated footnote or instructions

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

ntered in the additional information/comments boxes within the templates. Please size these boxes
se include an appendix to the AER template and merge it as part of the AER PDF document. The excel
ately so that all text is readable before it is converted to PDF document.

| Facility Information Summary | |
|---|---|
| AER Reporting Year | 2013 |
| Licence Register Number | W0054-02 |
| Name of site | SRCL Kylemore Rd |
| Site Location | Unit 1A Allied Industrial Estate, Kylemore Road |
| NACE Code | 3821 |
| Class/Classes of Activity | Disposal Class 7,12 &13. Recovery Class 3,4 & 13. |
| National Grid Reference (6E, 6 N) | -6.34449 53.3343 |

| | |
|---|---|
| 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. | The following waste activities were carried out at Eco-Safe Systems during the reporting year: 1. Disinfection, shredding and disposal of healthcare risk waste. 2. Segregation, repackaging and export of hazardous waste for recovery or disposal. |

**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.

| | |
|---|---|
| Joe Mahon/James McHugh | 14.05.14 |
| Signature<br>Group/Facility manager<br>(or nominated, suitably qualified and experienced deputy) | Date |

**AIR-summary template** Lic No: W0054-02 Year 2013

**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 AG2 | Yes | |

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

| | Emission reference no: | Parameter/ Substance | Frequency of Monitoring | ELV in licence or any revision thereof | Licence Compliance criteria | Measured value | Unit of measurement | Compliant with licence limit | Method of analysis | Annual mass load (kg) | Comments - reason for change in % mass load from previous year if applicable |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | EP1 | Ammonia | Bi-annual | 50 | 100 % of values < ELV | 0.27 | mg/m3 | yes | EN 14791:2005 | 29.44 | |
| | EP1 | Volatile organic compounds (as TOC) | Bi-annual | 0.1 | 100 % of values < ELV | 5.37 | mg/m3 | yes | EN 12619 | 582.7 | |
| | EP1 | Indicator Micro- organisms | Bi-annual | 2000 | 100 % of values < ELV | <1 | cfu/m3 | yes | OTH | N/A | |
| | EP1 | Hydrogen Sulphide & Mercaptans | Bi-annual | 5 | 100 % of values < ELV | 0.2 | mg/m3 | yes | US EPA M11/ EN 13649 | 77.66 | |
| | EP1 | Particulates | Bi-annual | 50 | 100 % of values < ELV | 20 | g/hr | yes | EN 13284-1 | 121.26 | |
| | EP1 | Ammonia | Bi-annual | 50 | 100 % of values < ELV | 0.39 | mg/m3 | yes | EN 14791:2005 | | |
| | EP1 | Volatile organic compounds (as TOC) | Bi-annual | 0.1 | 100 % of values < ELV | 6.13 | mg/m3 | yes | EN 12619 | | |
| 4 | EP1 | Indicator Micro- organisms | Bi-annual | 2000 | 100 % of values < ELV | <1 | cfu | yes | OTH | | |
| | EP1 | Hydrogen Sulphide & Mercaptans | Bi-annual | 5 | 100 % of values < ELV | 1.42 | | yes | US EPA M11/ EN 13649 | | |
| 5 | EP1 | Particulates | Bi-annual | 50 | 100 % of values < ELV | 17 | g/hr | yes | EN 13284-1 | | |
| 6 | EP5 | Airborne Microorganisms | Bi-annual | 2000 | 100 % of values < ELV | 0 | cfu/m3 | yes | OTH | | |
| 7 | EP6 | Airborne Microorganisms | Bi-annual | 2000 | 100 % of values < ELV | 0 | cfu/m3 | yes | OTH | | |
| | EP7 | Airborne Microorganisms | Bi-annual | 2000 | 100 % of values < ELV | 0 | cfu/m3 | yes | OTH | | |
| | EP5 | Airborne Microorganisms | Bi-annual | 2000 | 100 % of values < ELV | 0 | cfu/m3 | yes | OTH | | |
| | EP6 | Airborne Microorganisms | Bi-annual | 2000 | 100 % of values < ELV | 0 | cfu/m3 | yes | OTH | | |
| | EP7 | Airborne Microorganisms | Bi-annual | 2000 | 100 % of values < ELV | 0 | cfu/m3 | yes | OTH | | |
| | AA1 | Airborne Microorganisms | Bi-annual | 1000 | 100 % of values < ELV | 70 | cfu/m3 | yes | OTH | | |
| | AA2 | Airborne Microorganisms | Bi-annual | 1000 | 100 % of values < ELV | 41 | cfu/m3 | yes | OTH | | |
| | AA3 | Airborne Microorganisms | Bi-annual | 1000 | 100 % of values < ELV | 17 | cfu/m3 | yes | OTH | | |
| | AA4 | Airborne Microorganisms | Bi-annual | 1000 | 100 % of values < ELV | 21 | cfu/m3 | yes | OTH | | |
| | AA1 | Airborne Microorganisms | Bi-annual | 1000 | 100 % of values < ELV | 84 | cfu/m3 | yes | OTH | | |
| | AA2 | Airborne Microorganisms | Bi-annual | 1000 | 100 % of values < ELV | 87 | cfu/m3 | yes | OTH | | |
| | AA3 | Airborne Microorganisms | Bi-annual | 1000 | 100 % of values < ELV | 167 | cfu/m3 | yes | OTH | | |
| | AA4 | Airborne Microorganisms | Bi-annual | 1000 | 100 % of values < ELV | 410 | cfu/m3 | yes | OTH | | |

**Continuous Monitoring**

| | | | |
|---|---|---|---|
| | 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 A2 and compare it to its relevant | | |
| | Did continuous monitoring equipment experience downtime? If yes please record downtime in table A2 below | SELECT | |
| | Do you have a proactive service agreement for each piece of continuous monitoring equipment? | SELECT | |
| | Did your site experience any abatement system bypasses? If yes please detail them in table A3 below | SELECT | |

**Table A2: Summary of average emissions -continuous monitoring**

| | Emission reference no: | Parameter/ Substance | ELV in licence or any revision thereof | Averaging Period | Compliance Criteria | Units of measurement | Annual Emission | Annual maximum | Monitoring Equipment | Number of ELV exceedences in | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | | SELECT | | | SELECT | SELECT | | | | | |
| | | SELECT | | | | SELECT | | | | | |
| | | SELECT | | | | SELECT | | | | | |
| | | SELECT | | | | SELECT | | | | | |
| | | SELECT | | | | SELECT | | | | | |

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

Bypass protocol

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

| Date* | Duration** (hours) | Location | Reason for bypass | Impact maximum | 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

**Solvent use and management on site**

| | | |
|---|---|---|
| | 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 VOC** 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 (direct and fugitive) | Total VOC emissions as %of solvent input | Total Emission Limit Value (ELV) in licence or any revision thereof | Compliance |
|---|---|---|---|---|---|
| | | | | | SELECT |
| | | | | | SELECT |

**Table A5: Solvent Mass Balance summary**

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

| AIR-summary template | Lic No: | W0054-02 | Year | 2013 |
|---|---|---|---|---|

PCDD + PCDF (dioxins + furans)(as Teq)
Pentachlorobenzene
Pentachlorophenol (PCP)
Perfluorocarbons (PFCs)
Phenols (as total C)
Polychlorinated biphenyls (PCBs)
Polycyclic aromatic hydrocarbons (PAHs)
Sulphur hexafluoride (SF6)
Sulphur oxides (SOx/SO2)
Tetrachloroethylene (PER)
Tetrachloromethane (TCM)
Toluene
Toxaphene
Trichlorobenzenes (TCBs)(all isomers)
Trichloroethylene
Trichloromethane
Vinyl chloride
Xylenes
Zinc and compounds (as Zn)

**AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)** Lic No: W0054-02 Year 2013

| | | | Additional information |
|---|---|---|---|
| 1 | Does your site have licensed emissions direct to surface water or direct to sewer? If yes please complete table W2 and W3 below for the current reporting year and answer further questions. If **you do not have** licenced emissions you only need to complete table W1 and or W2 for storm water analysis and visual inspections | Yes | |
| 2 | Was it a requirement of your licence to carry out visual inspections on any surface water discharges or watercourses on or near your site? If yes please complete table W2 below summarising only any evidence of contamination noted during visual inspections | SELECT | |

**Table W1 Storm water monitoring**

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

*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 | SELECT | pH exceedance on FS1 Novmber -01 sample. Result of pH 10.3 |
| 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) | SELECT | |

**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 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FS1 | Wastewater/Sewer | SELECT | SELECT | SELECT | SELECT | SELECT | SELECT | SELECT | SELECT | SELECT | SELECT | SELECT | SELECT | SELECT |
| FS1 | Wastewater/Sewer | BOD | discrete | Fortnightly | Annual | 5000 | All results < 2 x ELV | 2323.26 | mg/L | yes | Dissolved Oxygen Meter (Electrode) | APHA / AWWA "Standard Methods" | MEWAM, APHA 5220D, 2005 | 2172.48 |
| FS1 | Wastewater/Sewer | COD | discrete | Fortnightly | Annual | 15000 | All results < 4 x ELV | 3519.66 | mg/L | yes | HACH Method | APHA / AWWA "Standard Methods" | MEWAM, 1988 APHA 5210 +4500C, 2006 | 3291.24 |
| FS1 | Wastewater/Sewer | Sulphate | discrete | Fortnightly | Annual | 1000 | All results < 4 x ELV | 22.25 | mg/L | yes | Other (please describe) | Other (please specify) | Quantitative precipitation with Barium Chloride. | 20.81 |
| FS1 | Wastewater/Sewer | Suspended Solids | discrete | Fortnightly | Annual | 500 | All results < 4 x ELV | 45.20 | mg/L | yes | Gravimetric analysis | APHA / AWWA "Standard Methods" | MEWAM, 1980 APHA 2540D, 2005 | 42.27 |

**AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)** Lic No: W0054-02 Year 2013

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FS1 | Wastewater/Sewer | pH | composite | Fortnightly | Annual | Between 6 -10 | All values < ELV | 9.29 | pH Units | yes | pH Meter (Electrode) | Manufacturer method | N/A | |
| 5 | FS1 | Wastewater/Sewer | Volumetric flow | composite | Fortnightly | Annual | 25 | All values < ELV | 2.85 | m3/day | yes | Other (please describe) | Flow Meter | N/A | |
| | FS1 | Wastewater/Sewer | Temperature | composite | Fortnightly | Annual | 42 | All values < ELV | 24.61 | degrees C | yes | Other (please describe) | Thermometer | N/A | |
| 6 | FS1 | Wastewater/Sewer | Total Coliforms | discrete | Fortnightly | Annual | N/A | N/A | 0 | cfu/100ml | yes | Other (please describe) | Pour Plate | SP035 | |
| 7 | FS1 | Wastewater/Sewer | Faecal Coliforms | discrete | Fortnightly | Annual | N/A | N/A | 0 | cfu/100ml | yes | Other (please describe) | Pour Plate | SP049 | |
| 8 | FS1 | Wastewater/Sewer | Faecal Streptococci | discrete | Fortnightly | Annual | N/A | N/A | 0 | cfu/100ml | yes | Other (please describe) | Pour Plate | SP058 | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

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

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

## Continuous monitoring

| | | Additional Information |
|---|---|---|
| Does your site carry out continuous emissions to water/sewer monitoring? | Yes | Flow |
| **If yes please summarise your continuous monitoring data below in Table W4 and compare it to its relevant Emission** | | |
| Did continuous monitoring equipment experience downtime? **If yes please record downtime in table W4 below** | No | |
| Do you have a proactive service contract for each piece of continuous monitoring equipment on site? | Yes | |
| Did abatement system bypass occur during the reporting year? **If yes please complete table W5 below** | No | |

## 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 | | | | | |

| Comments | |
|---|---|
| | |
| | |
| | |
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| | |
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| | |
| | |

| Bund/Pipeline testing template | Lic No: | W0054-02 | Year | 2013 | |
|---|---|---|---|---|---|

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, please include all bunds outside the licenced testing period** (mobile bunds and chemstore included) | 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? | 47 | |
| 5 | How many of these bunds have been tested within the required test schedule? | 44 | |
| 6 | How many mobile bunds are on site? | 31 | |
| 7 | Are the mobile bunds included in the bund test schedule? | Yes | |
| 8 | How many of these mobile bunds have been tested within the required test schedule? | 31 | |
| 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? | 2 | |
| | **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? | | |
| 13 | Is the Fire Water Retention Pond included in your integrity test programme? | SELECT | |

**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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A Brown | prefabricated | | Class 4.3, 6.1 & 8 | 19,000 | 4,800 | Other (please specify) | Leak test | Apr-14 | Yes | Pass | | SELECT | Apr-17 | |
| A Blue | prefabricated | | Class 4.3, 6.1 & 8 | 12,000 | 3,300 | Other (please specify) | Leak test | Apr-14 | Yes | Pass | | SELECT | Apr-17 | |
| B Red | prefabricated | | Class 8 | 4,000 | 1,100 | Other (please specify) | Leak test | Apr-14 | Yes | Pass | | SELECT | Apr-17 | |
| B Green | prefabricated | | Corrosive Class 8 | 8,000 | 2,200 | Other (please specify) | Leak test | Apr-14 | Yes | Pass | | SELECT | Apr-17 | |
| C Grey | prefabricated | | Class 2.1 | 8,000 | 2,200 | Other (please specify) | Leak test | Apr-14 | Yes | Pass | | SELECT | Apr-17 | |
| E1 | prefabricated | | Class 9 & 4.2 | 2,000 | 1,100 | Other (please specify) | Leak test | Apr-14 | Yes | Pass | | SELECT | Apr-17 | |
| E2 | prefabricated | | Class 9 & 2.2 | 2,000 | 1,100 | Other (please specify) | Leak test | Apr-14 | Yes | Pass | | SELECT | Apr-17 | |
| E3 | prefabricated | | Class 2.3 & 5.1 | 8,000 | 2,400 | Other (please specify) | Leak test | Apr-14 | Yes | Pass | | SELECT | Apr-17 | |
| E4 | prefabricated | | Class 9 | 8,000 | 2,400 | Other (please specify) | Leak test | Apr-14 | Yes | Pass | | SELECT | Apr-17 | |
| Outside Bund | reinforced concrete | | Non Haz, Class 3 & 4.1 | 152,000 | 38,000 | Other (please specify) | Leak test | 18.04.12 | Yes | Pass | | Scheduled for Test Q2-2014 | Jan-14 | |
| Maintenance | prefabricated | | Fuel, Oil and other maintenance liquids. | 400 | 100 | Other (please specify) | Leak test | 21.01.11 | Yes | Pass | | Scheduled for Test May 2014 | Jan-14 | |
| VEM | reinforced concrete | | Containment Tank | 150 | 150 | Other (please specify) | Leak test | 21.01.11 | Yes | Pass | | Scheduled for Test May 2014 | Jan-14 | |
| D Yellow | prefabricated | | Amalgam | 800 | 200 | Other (please specify) | Leak test | Apr-14 | Yes | Pass | | | Apr-17 | |
| Radiological Bund | prefabricated | | Radioactive Waste | 250 | 62.5 | Other (please specify) | Leak test | Apr-14 | Yes | Pass | | | Apr-17 | |
| Pallet Bund 1-31 | prefabricated | | Marshalling Area | 190 -285 | 47.5-71.25 | Other (please specify) | Leak test | Apr-14 | Yes | Pass | | | Apr-17 | |
| Metal Bund 1-3 | prefabricated | | Marshalling Area | 390 | 97.5 | Other (please specify) | Leak test | Apr-14 | Yes | Pass | | | Apr-17 | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |

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 | Yes | |
| | Please provide integrity testing frequency period | Other (please specify) | 5 years |

*please note integrity testing means water tightness testing for process and foul pipelines (as required under your licence)

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

| Structure ID | Type system | Material of construction: | Does this structure have Secondary containment? | Type of secondary containment | Type integrity testing | Integrity reports maintained on site? | Results of test | Integrity test failure explanation <50 words | Corrective action taken | Scheduled date for retest | Results of retest(if in current reporting year) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | SELECT | SELECT | SELECT | SELECT | SELECT | SELECT | SELECT | | | | SELECT |
| Foul Sewer | Foul | steel | No | SELECT | Hydraulic | Yes | Pass | | | 30.03.2017 | |
| Surface Line | Surface | pvc | No | | CCTV | Yes | Pass | | | 12.08.2016 | |
| Rotoclave Sump Tank | Process | steel | No | | Combination | Yes | Pass | | Scheduled test may | 23.02.2014 | |
| Bin Wash Sump Tank | Process | steel | No | | Combination | Yes | Pass | | Scheduled test may | 23.02.2014 | |
| Acco Channel & Transfer System Red Area | Process | steel | No | | Combination | Yes | Pass | | | 30.03.2017 | |
| Acco Channel & Transfer System Biosystems | Process | steel | No | | Combination | Yes | Pass | | | 30.03.2017 | |
| Acco Channel & Transfer System VEM | Process | Mix (steel & polypropylene) | No | | Combination | Yes | Pass | | | 30.03.2017 | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

| Groundwater/Soil monitoring template | Lic No: | W0054-02 | Year | 2013 |
|---|---|---|---|---|

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

**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** | 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** | Upward trend in yearly average pollutant concentration over last 5 years of monitoring data |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | SELECT | | | SELECT |
| | | | | | | | SELECT | | | SELECT |

| Groundwater/Soil monitoring template | Lic No: | W0054-02 | Year | 2013 |
|---|---|---|---|---|

| | |
|---|---|
| *please note exceedance of generic assessment criteria (GAC) such as a Groundwater Threshold Value (GTV) or an Interim Guideline Value (IGV) or an upward trend in results for a substance indicates that further interpretation of monitoring results is required. In addition to completing the above table, please complete the Groundwater Monitoring Guideline Template Report at the link provided and submit separately through ALDER as a licensee return or as otherwise instructed by the EPA. | Groundwater monitoring template |
| More information on the use of soil and groundwater standards/ generic assessment criteria (GAC) and risk assessment tools is available in the EPA published guidance (see the link in G31) | Guidance on the Management of Contaminated Land and Groundwater at EPA Licensed Sites (EPA 2013). |

| | | | | | |
|---|---|---|---|---|---|
| **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: | W0054-02 | Year | 2013 |
|---|---|---|---|---|

**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: | W0054-02 | Year | 2013 |
|---|---|---|---|---|

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 | € 1,500,000 | |
| 4 | Financial Provision for ELRA status | Submitted and agreed by EPA | |
| 5 | Financial Provision for ELRA - amount of cover | € 15,500,000 | |
| 6 | Financial Provision for ELRA - type | nsurance with Environmental Impairment Liability cover, | |
| 7 | Financial provision for ELRA expiry date | N/A | |
| 8 | Closure plan initial agreement status | losure plan submitted and agreed by EPA | |
| 9 | Closure plan review status | Review required and completed | |
| 10 | Financial Provision for Closure status | Submitted and agreed by EPA | |
| 11 | Financial Provision for Closure - amount of cover | € 82,390 | |
| 12 | Financial Provision for Closure - type | bond | |
| 13 | Financial provision for Closure expiry date | 12.09.2015 | |

## Environmental Management Programme/Continuous Improvement Programme template

Lic No: W0054-02 Year 2013

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 | SRCL Group Objectives and Targets |
| 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 |
|---|---|---|---|---|---|
| Waste reduction/Raw material usage efficiency | Zero Waste to Landfill | 100 | All waste from Dublin sites div | Section Head | Improved Environmental Management Practices |
| | | SELECT | | SELECT | SELECT |
| SELECT | | SELECT | | SELECT | SELECT |

| Noise monitoring summary report | Lic No: | W0054-02 | Year | 2013 |
|---|---|---|---|---|

| | | |
|---|---|---|
| 1 | Was noise monitoring a licence requirement for the AER period?<br>If yes please fill in table N1 noise summary below | No |
| 2 | Was noise monitoring carried out using the EPA Guidance note, including completion of the "Checklist for noise measurement report" included in the guidance note as table 6? (Noise Guidance note NG4) | SELECT |
| 3 | Does your site have a noise reduction plan | SELECT |
| 4 | When was the noise reduction plan last updated? | Enter date |
| 5 | Have there been changes relevant to site noise emissions (e.g. plant or operational changes) since the last noise survey? | SELECT |

**Table N1: Noise monitoring summary**

| Date of monitoring | Time period | Noise location (on site) | Noise sensitive location -NSL (if applicable) | $LA_{eq}$ | $LA_{90}$ | $LA_{10}$ | $LA_{max}$ | Tonal or Impulsive noise* (Y/N) | If tonal /impulsive noise was identified was 5dB penalty applied? | Comments (ex. main noise sources on site, & extraneous noise ex. road traffic) | Is site compliant with noise limits (day/evening/night)? |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | SELECT | SELECT | | SELECT |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

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

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

| |
|---|
| ** please explain the reason for not taking action/resolution of noise issues? |
| Any additional comments? (less than 200 words) |

| Resource Usage/Energy efficiency summary | Lic No: | W0054-02 | Year | 2013 |
|---|---|---|---|---|

| | | | Additional information |
|---|---|---|---|
| 1 | When did the site carry out the most recent energy efficiency audit? Please list the recommendations in table 3 below | May-13 | |
| 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) — yes | SEAI Client No 2622 |
| 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 | n/a |

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) | 1941 | 1541.595 | 15.6 | |
| Total Energy Generated (MWHrs) | | | | |
| Total Renewable Energy Generated (MWHrs) | | | | |
| Electricity Consumption (MWHrs) | 289 | 226.365 | | |
| Fossil Fuels Consumption: | | | | |
| Heavy Fuel Oil (m3) | | | | |
| Light Fuel Oil (m3) | 0 | 15.5 | | |
| Natural gas (m3) | 1362 | 1163 | | |
| Coal/Solid fuel (metric tonnes) | | | | |
| Peat (metric tonnes) | | | | |
| Renewable Biomass | | | | |
| Renewable energy generated on site | | | | |

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

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 | 1477 | 1744 | 15.6 | | 939.7 | 804.3 | |
| 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) | 7497.02 | 0 | 4984.12 | 2512.9 | 0 |
| Non-Hazardous (Tonnes) | 88.56 | 0 | 0 | 88.56 | 0 |

**Resource Usage/Energy efficiency summary** Lic No: W0054-02 Year 2013

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 |
|---|---|---|---|---|---|---|---|---|
| 30.05.13 | Spirax | Temp controlled Wate | energy audit | 7 | Q1 2014 | Facility manager | Dec-13 | Complete |
| 30.05.13 | Energy Training for Staff | Awarness Training for | energy audit | 2 | Q3 2014 | Facility manager | N/A | |
| 30.05.13 | Steam Trap Monitoring | M&C Traps | energy audit | 200% | Q3 2013 | Facility manager | Ongoing | Ongoing Process |

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: W0054-02 Year 2013

Complaints

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

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 |
|---|---|---|---|---|---|---|---|
| 18/12/2013 | Odour | | Odour complaint from neighbour. | Remainder of dividing wall to be sprayed with closed cell spray foam. | Complete | 14/01/2014 | |
| 13/11/2013 | Odour | | Odour complaint from neighbour. | Remainder of dividing wall to be sprayed with closed cell spray foam. | Complete | 14/01/2014 | Complainant said that odour only lasted a very short time. |
| 20/06/2013 | Odour | | Odour complaint from neighbour. | Complaint not substantiated. | Complete | 20/06/2013 | |
| 22/02/2013 | Odour | | Odour complaint from neighbour. | Continual monitoring to ensure that roller shutter door is closed at all times. Modifications to bagging and shredding area. An additional extraction hood was installed in the area where the odours were detected. Final works are scheduled for March and will see the section of wall in question being sealed with two coats of silicon . | Complete | 31/05/2013 | |
| | SELECT | | | | SELECT | | |

| | |
|---|---|
| Total complaints open at start of reporting year | 0 |
| Total new complaints received during reporting year | 4 |
| Total complaints closed during reporting year | 4 |
| Balance of complaints end of reporting year | 0 |

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 |

**Complaints and Incidents summary template** Lic No: W0054-02 Year 2013

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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07/11/2013 | Breach of ELV | Licenced discharge point (typ | 2. Limited | Sewer | Other (add details | The root casue of t | Normal activities | EPA | New | More frequent monitoring of pH @ FS1 | Continuous training and information should be provided to the customer to ensure that they are aware of what material is suitable for treatment and what should be sent through the transfer station. | Complete | 07/01/2014 | Medium |
| | SELECT | SELECT | SELECT | SELECT | SELECT | | SELECT | SELECT | SELECT | | | SELECT | | SELECT |
| | SELECT | SELECT | SELECT | SELECT | SELECT | | SELECT | SELECT | SELECT | | | SELECT | | SELECT |
| | SELECT | SELECT | SELECT | SELECT | SELECT | | SELECT | SELECT | SELECT | | | SELECT | | SELECT |
| | SELECT | SELECT | SELECT | SELECT | SELECT | | SELECT | SELECT | SELECT | | | SELECT | | SELECT |

| | |
|---|---|
| Total number of incidents current year | 1 |
| Total number of incidents previous year | 1 |
| % reduction/ increase | 0 |

| WASTE SUMMARY | Lic No: | W0054-02 | Year | 2013 |
|---|---|---|---|---|
| SECTION A-PRTR ON SITE WASTE TREATMENT AND WASTE TRANSFERS TAB- TO BE COMPLETED BY ALL IPPC AND WASTE FACILITIES | | PRTR facility listing | | 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 boundaries is to be captured through PRTR reporting) | 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 | |
| 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 - | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 9525 | 03 02 05* | 03- WASTES FROM WOOD PROCESSING AND THE PRODUCTION OF PANELS AND FURNITURE, PULP, PAPER AND CARDBOARD | 03 02 05* | 0.54 | 2.448 | -353% | | | *D15-Storage pending any of the operations numbered D1 to D14* | | | | |
| | | 06 01 01* | 06- WASTES FROM INORGANIC CHEMICAL PROCESSES | 06 01 01* | 0.38 | 0.478 | -26% | | | *D15-Storage pending any of the operations numbered D1 to D14* | | | | |
| | | 06 01 02* | 06- WASTES FROM INORGANIC CHEMICAL PROCESSES | 06 01 02* | 0.23 | 0 | 100% | | | *D15-Storage pending any of the operations numbered D1 to D14* | | | | |
| | | 06 01 06* | 06- WASTES FROM INORGANIC CHEMICAL PROCESSES | 06 01 06* | 13.18 | 15.3 | -16% | | | *D15-Storage pending any of the operations numbered D1 to D14* | | | | |
| | | 06 02 04 | 06- WASTES FROM INORGANIC CHEMICAL PROCESSES | 06 02 04 | 8.84 | 4.221 | 52% | | | *D15-Storage pending any of the operations* | *0.06* | | | |
| | | 07 01 01* | 07- WASTES FROM ORGANIC CHEMICAL PROCESSES | 07 01 01* | 1.31 | 3.161 | -141% | | | *D15-Storage pending any of the operations* | *0.23* | | | |
| | | 07 01 03* | ORGANIC CHEMICAL PROCESSES | 07 01 03* | 0.78 | 3.749 | -381% | | | *D15-Storage pending any of the operations numbered D1 to D14* | | | | |
| | | 07 01 04* | 07- WASTES FROM ORGANIC CHEMICAL PROCESSES | 07 01 04* | 70.88 | 23.554 | 67% | | | *D15-Storage pending any of the operations* | *6.83* | | | |
| | | 07 01 10* | 07- WASTES FROM ORGANIC CHEMICAL PROCESSES | 07 01 10* | 0.51 | 0 | 100% | | | *D15-Storage pending any of the operations numbered D1 to D14* | | | | |
| 4 | | 07 02 01* | ORGANIC CHEMICAL PROCESSES | 07 02 01* | 2.93 | 0 | 100% | | | *D15-Storage pending any of the operations numbered D1 to D14* | | | | |
| | | 07 02 08* | 07- WASTES FROM ORGANIC CHEMICAL PROCESSES | 07 02 08* | 3.74 | 5 | 20% | | | *D15-Storage pending any of the operations numbered D1 to D14* | | | | |
| 5 | | 07 02 99 | ORGANIC CHEMICAL PROCESSES | 07 02 99 | 1.39 | 3.161 | -128% | | | *D15-Storage pending any of the operations numbered D1 to D14* | | | | |
| | | 07 04 13* | solid wastes containing dangerous substances | 07 04 13* | 0.31 | 0 | 100% | | | *D15-Storage pending any of the operations numbered D1 to D14* | | | | |
| 6 | | 07 04 99 | wastes not otherwise specified | 07 04 99 | 0.08 | 0 | 100% | | | *D15-Storage pending any of the operations numbered D1 to D14* | | | | |
| 7 | | 07 04 99 | wastes not otherwise specified | 07 04 99 | 0.08 | 0 | 100% | | | *D15-Storage pending any of the operations numbered D1 to D14* | | | | |
| | | 07 05 01* | 07- WASTES FROM ORGANIC CHEMICAL PROCESSES | 07 05 01* | 1,640.42 | 2565.057 | -56% | | | *D15-Storage pending any of the operations numbered D1 to D14* | | | | |
| 8 | | 07 05 03* | 07- WASTES FROM ORGANIC CHEMICAL PROCESSES | 07 05 03* | 111.59 | 433.666 | -289% | | | *D15-Storage pending any of the operations numbered D1 to D14* | | | | |
| | | 07 05 04* | 07- WASTES FROM ORGANIC CHEMICAL PROCESSES | 07 05 04* | 597.81 | 339.086 | 43% | | | *D15-Storage pending any of the operations* | *0.56* | | | |
| | | 07 05 12 | 07- WASTES FROM ORGANIC CHEMICAL PROCESSES | 07 05 12 | 8.38 | 2.749 | 67% | | | *D15-Storage pending any of the operations numbered D1 to D14* | | | | |
| | | 07 05 13* | 07- WASTES FROM ORGANIC CHEMICAL PROCESSES | 07 05 13* | 798.95 | 701.1713 | 12% | | | *D15-Storage pending any of the operations numbered D1 to D14* | | | | |
| | | 07 05 14 | 07- WASTES FROM ORGANIC CHEMICAL PROCESSES | 07 05 14 | 48.18 | 34.173 | 29% | | | *D15-Storage pending any of the operations* | *0.12* | | | |
| | | 07 05 99 | 07- WASTES FROM ORGANIC CHEMICAL PROCESSES | 07 05 99 | 213.82 | 172.881 | 19% | | | *D15-Storage pending any of the operations numbered D1 to D14* | | | | |
| | | 07 06 99 | 07- WASTES FROM ORGANIC CHEMICAL PROCESSES | 07 06 99 | 215.97 | 221.908 | -3% | | | *D15-Storage pending any of the operations numbered D1 to D14* | | | | |
| | | 08 01 11* | 08- WASTES FORM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS.) ADHESIVES, SEALANTS AND PRINTING INKS | 08 01 11* | 226.55 | 211.87 | 6% | | | *D15-Storage pending any of the operations* | *14.7* | | | |
| | | 08 01 12 | 08- WASTES FORM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS.) ADHESIVES, SEALANTS AND PRINTING INKS | 08 01 12 | 102.00 | 125.323 | -23% | | | *D15-Storage pending any of the operations* | *4.75* | | | |
| | | 08 01 14 | 08- WASTES FORM THE | 08 01 14 | 1.47 | 4.509 | -207% | | | *D15-Storage pending any of the operations numbered D1 to D14* | | | | |
| | | 08 01 16 | 08- WASTES FORM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS | 08 01 16 | 39.10 | 14.1 | 64% | | | *D15-Storage pending any of the operations numbered D1 to D14* | | **Unload area** | **Comments on liner type** | |
| | | 08 03 08 | | 08 03 08 | 2.70 | 0 | 100% | | | *D15-Storage pending any of the operations numbered D1 to D14* | | **SELECT UNIT** | | |
| | | 08 03 12* | 08- WASTES FORM THE | 08 03 12* | 194.10 | 178.48 | 8% | | | *D15-Storage pending any of the operations* | *17.8* | | | |
| | | 08 03 13 | 08- WASTES FORM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS.) ADHESIVES, SEALANTS AND PRINTING INKS | 08 03 13 | 66.00 | 54.1942 | 18% | | | *D15-Storage pending any of the operations* | *1.4* | | | |

| WASTE SUMMARY | | | | Lic No: | W054-02 | | | Year | 2011 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 08 03 14* | 08- WASTES FORM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS,) ADHESIVES, SEALANTS AND PRINTING INKS | 08 03 14* | 0.24 | 0.695 | -186% | | | D15-Storage pending any of the operations | | |
| | 08 04 09* | 08- WASTES FORM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS | 08 04 09* | 72.32 | | | | | D15-Storage pending any of the operations | 17.08 | |
| | 08 04 13* | | 08 04 13* | 17.52 | 0 | 100% | | | D15-Storage pending any of the operations numbered D1 to D14 | | |
| | 09 01 01* | 09- WASTES FROM THE PHOTOGRAPHIC INDUSTRY | 09 01 01* | 0.12 | 0.261 | -118% | | | D15-Storage pending any of the operations numbered D1 to D14 | | |
| | 09 01 02* | 09- WASTES FROM THE PHOTOGRAPHIC INDUSTRY | 09 01 02* | 4.30 | 0 | 100% | | | D15-Storage pending any of the operations numbered D1 to D14 | | |
| | 09 01 04* | 09- WASTES FROM THE PHOTOGRAPHIC INDUSTRY | 09 01 04* | 0.08 | 1.31 | -1460% | | | D15-Storage pending any of the operations | 0.8 | |
| | 09 01 05* | 09- WASTES FROM THE PHOTOGRAPHIC INDUSTRY | 09 01 05* | 228.61 | 275.1496 | -20% | | | D15-Storage pending any of the operations | 23.58 | |
| | 09 01 07 | 09- WASTES FROM THE PHOTOGRAPHIC INDUSTRY | 09 01 07 | 14.13 | 16.547 | -17% | | | D15-Storage pending any of the operations numbered D1 to D14 | | |
| | 11 01 09* | 11- WASTES FROM CHEMICAL SURFACE TREATMENT AND COATING OF METALS AND OTHER MATERIALS; NON-FERROUS HYDRO-METALLURGY | 11 01 09* | 3.77 | 0 | 100% | | | D15-Storage pending any of the operations numbered D1 to D14 | | |
| | 11 01 10 | 11- WASTES FROM CHEMICAL SURFACE TREATMENT AND COATING OF METALS AND OTHER MATERIALS; NON-FERROUS HYDRO-METALLURGY | 11 01 10 | 63.50 | 12.07 | 81% | | | D15-Storage pending any of the operations numbered D1 to D14 | | |
| 9 | 11 01 11* | 11- WASTES FROM CHEMICAL SURFACE TREATMENT AND COATING OF METALS AND OTHER MATERIALS; NON-FERROUS HYDRO-METALLURGY | 11 01 11* | 46.84 | 15.9086 | 66% | | | D15-Storage pending any of the operations | 2.74 | |
| 10 | 11 01 13* | 11- WASTES FROM CHEMICAL SURFACE TREATMENT AND COATING OF METALS AND OTHER MATERIALS; NON-FERROUS HYDRO-METALLURGY | 11 01 13* | 9.49 | 3.454 | 64% | | | D15-Storage pending any of the operations | 7.58 | |
| | 11 01 98* | 11- WASTES FROM CHEMICAL SURFACE TREATMENT AND COATING OF METALS AND OTHER MATERIALS; NON-FERROUS HYDRO-METALLURGY | 11 01 98* | 21.33 | 23.772 | -11% | | | D15-Storage pending any of the operations numbered D1 to D14 | | |
| | 12 01 03 | 12-WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS | 12 01 03 | 116.59 | 121.2531 | -4% | | | D15-Storage pending any of the operations | 2.53 | |
| | 12 01 09* | 12-WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS | 12 01 09* | 13.90 | 1.602 | 88% | | | D15-Storage pending any of the operations numbered D1 to D14 | | |
| | 13 01 11* | 13- OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19) | 13 01 11* | 8.55 | 10.213 | -19% | | | D15-Storage pending any of the operations | 0.4 | |
| | 13 01 13* | 13- OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19) | 13 01 13* | 8.84 | 0.145 | 98% | | | D15-Storage pending any of the operations numbered D1 to D14 | | |
| | 13 02 05* | 13- OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19) | 13 02 05* | 5.98 | 12.45 | -108% | | | D15-Storage pending any of the operations | 0.07 | |
| | 13 02 06* | 13- OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19) | 13 02 06* | 2.01 | 3.627 | -81% | | | D15-Storage pending any of the operations | 0.12 | |
| | 13 02 08* | 13- OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19) | 13 02 08* | 1.61 | 0.498 | 69% | | | D15-Storage pending any of the operations | 0.76 | |
| | 13 03 01* | 13- OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19) | 13 03 01* | 1.52 | 0 | 100% | | | D15-Storage pending any of the operations numbered D1 to D14 | | |
| | 13 08 99* | | 13 08 99* | 1.66 | 0 | 100% | | | D15-Storage pending any of the operations numbered D1 to D14 | | |
| | 14 06 01* | 14- WASTE ORGANIC SOLVENTS, REFRIGERANTS AND PROPELLANTS (except 07 and 08) | 14 06 01* | 9.28 | 6.736 | 27% | | | D15-Storage pending any of the operations | 1.32 | |
| | 14 06 03* | 14- WASTE ORGANIC SOLVENTS, REFRIGERANTS AND PROPELLANTS (except 07 and 08) | 14 06 03* | 5.17 | 1.49 | 71% | | | D15-Storage pending any of the operations numbered D1 to D14 | | |
| | 15 01 01 | 15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED | 15 01 01 | 14.05 | 7.176 | 49% | | | D15-Storage pending any of the operations numbered D1 to D14 | | |
| | 15 01 02 | 15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED | 15 01 02 | 5.18 | 3.35 | 35% | | | D15-Storage pending any of the operations numbered D1 to D14 | | |
| | 15 01 03 | 15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED | 15 01 03 | 29.43 | 0 | 100% | | | D15-Storage pending any of the operations numbered D1 to D14 | | |
| | 15 01 04 | 15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED | 15 01 04 | 36.86 | 48.51 | -32% | | | D15-Storage pending any of the operations numbered D1 to D14 | | |
| | 15 01 06 | 15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED | 15 01 06 | 1.07 | 3.174 | -198% | | | D15-Storage pending any of the operations | 0.22 | |
| | 15 01 10* | 15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED | 15 01 10* | 231.26 | 163.59 | 29% | | | D15-Storage pending any of the operations | 4.57 | |
| | 15 02 02* | 15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED | 15 02 02* | 188.27 | 172.53 | 8% | | | D15-Storage pending any of the operations | 6.82 | |
| | 16 01 07* | 16- WASTES NOT OTHERWISE SPECIFIED IN THE LIST | 16 01 07* | 0.02 | 0 | 100% | | | D15-Storage pending any of the operations numbered D1 to D14 | | |
| | 16 02 09* | 16- WASTES NOT OTHERWISE SPECIFIED IN THE LIST | 16 02 09* | 6.12 | 0.129 | 98% | | | D15-Storage pending any of the operations numbered D1 to D14 | | |

| WASTE SUMMARY | | | | | Lic No: | W054-02 | | Year | 2011 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 16 02 16 | 16- WASTES NOT OTHERWISE SPECIFIED IN THE LIST | 16 02 16 | 2.11 | 0 | 100% | | | D15-Storage pending any of the operations numbered D1 to D14 | | |
| | 16 03 03* | 16- WASTES NOT OTHERWISE SPECIFIED IN THE LIST | 16 03 03* | 35.05 | 45.55 | -30% | | | D15-Storage pending any of the operations | 0.96 | |
| | 16 03 04 | 16- WASTES NOT OTHERWISE SPECIFIED IN THE LIST | 16 03 04 | 0.07 | 0.84 | -1051% | | | D15-Storage pending any of the operations numbered D1 to D14 | | |
| | 16 03 05* | 16- WASTES NOT OTHERWISE SPECIFIED IN THE LIST | 16 03 05* | 116.85 | 205.57 | -76% | | | D15-Storage pending any of the operations | 3.57 | |
| | 16 03 06 | 16- WASTES NOT OTHERWISE SPECIFIED IN THE LIST | 16 03 06 | 0.14 | 0.061 | 57% | | | D15-Storage pending any of the operations numbered D1 to D14 | | |
| | 16 05 04* | 16- WASTES NOT OTHERWISE SPECIFIED IN THE LIST | 16 05 04* | 9.58 | 19.37 | -102% | | | D15-Storage pending any of the operations | 0.7 | |
| | 16 05 06* | 16- WASTES NOT OTHERWISE SPECIFIED IN THE LIST | 16 05 06* | 60.42 | 33.1 | 45% | | | D15-Storage pending any of the operations | 11.68 | |
| | 16 05 07* | 16- WASTES NOT OTHERWISE SPECIFIED IN THE LIST | 16 05 07* | 58.42 | 20.551 | 65% | | | D15-Storage pending any of the operations | 4.96 | |
| | 16 05 08* | 16- WASTES NOT OTHERWISE SPECIFIED IN THE LIST | 16 05 08* | 183.24 | 175.948 | 4% | | | D15-Storage pending any of the operations | 18.66 | |
| | 17 09 02* | construction and demolition wastes containing PCB (for example PCB-containing sealants, PCB-containing resin-based floorings, PCB-containing sealed glazing units, PCB-containing capacitors) | 17 09 02* | 0.25 | 0 | 100% | | | D15-Storage pending any of the operations numbered D1 to D14 | | |
| | 18 01 01 | 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) | 18 01 01 | 2.17 | 2.88 | -33% | | | D15-Storage pending any of the operations | 0.5 | |
| | 18 01 03* | 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) | 18 01 03* | 565.52 | 1388.94 | -146% | | | D15-Storage pending any of the operations | 2.9 | |
| | 18 01 03* | 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) | 18 01 03* | 665.00 | | | | | D9-Physico-Chemical treatment not specified elsewhere which results in fial compounds or mixtures which are discarded by means D1 to D12 | | |
| | 18 01 04 | 18- WASTES FROM HUMAN OR ANIMAL HEALTH CARE | 18 01 04 | 2.57 | 0.898 | 65% | | | | 2.4 | |
| | 18 01 06* | 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) | 18 01 06* | 9.08 | 45.53 | -401% | | | D15-Storage pending any of the operations | 2.16 | |
| | 18 01 07 | 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) | 18 01 07 | 0.17 | 0.2686 | -54% | | | D15-Storage pending any of the operations | 0.05 | |
| | 18 01 08* | 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) | 18 01 08* | 56.52 | 85.53 | -51% | | | D15-Storage pending any of the operations | 4.85 | |
| | 18 01 09 | 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) | 18 01 09 | 102.38 | 60.54 | 41% | | | D15-Storage pending any of the operations | 0.62 | |
| | 18 01 10* | 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) | 18 01 10* | 1.44 | 1.3 | 10% | | | D15-Storage pending any of the operations | 0.4 | |
| | 18 02 02* | 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) | 18 02 02* | 21.32 | 84.95 | -298% | | | D15-Storage pending any of the operations | 0.56 | |
| | 18 02 02* | 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) | 18 02 02* | 42.45 | | | | | D9-Physico-Chemical treatment not specified elsewhere which results in fial compounds or mixtures which are discarded by means D1 to D12 | | |
| | 18 02 03 | 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) | 18 02 03 | 4.88 | 0 | 100% | | | D15-Storage pending any of the operations numbered D1 to D14 | | |
| | 18 02 05* | 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) | 18 02 05* | 2.34 | 10.55 | -352% | | | D15-Storage pending any of the operations | 0.17 | |
| | 18 02 06 | 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) | 18 02 06 | 0.15 | 0.102 | 32% | | | D15-Storage pending any of the operations numbered D1 to D14 | | |

**WASTE SUMMARY** Lic No: W0054-02 Year 2011

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 18 02 08 | 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) | 18 02 08 | 10.06 | 0.3775 | 96% | | | D15-Storage pending any of the operations | 0.13 | |
| | 20 01 01 | paper and cardboard | 20 01 01 | 4.47 | 11.21 | -151% | | | D15-Storage pending any of the operations | 0.17 | |
| | 20 01 13* | Solvents | 20 01 13* | 4.12 | 2.28 | 45% | | | D15-Storage pending any of the operations | 0 | |
| | 20 01 19* | pesticides | 20 01 19* | 4.13 | 2.66 | 36% | | | D15-Storage pending any of the operations | 0.34 | |
| | 20 01 21* | fluorescent tubes and other mercury-containing waste | 20 01 21* | 1.84 | 2.295 | -25% | | | D15-Storage pending any of the operations | 0.12 | |
| | 20 01 25 | edible oil and fat | 20 01 25 | 1.37 | 0.4118 | 70% | | | D15-Storage pending any of the operations | 0.17 | |
| | 20 01 26* | oil and fat other than those mentioned in 20 01 25 | 20 01 26* | 6.83 | 6.27 | 8% | | | D15-Storage pending any of the operations | 1.15 | |
| | 20 01 27* | paint, inks, adhesives and resins containing dangerous substances | 20 01 27* | 193.23 | 165.15 | 15% | | | D15-Storage pending any of the operations | 8.37 | |
| | 20 01 32 | medicines other than those mentioned in 20 01 31 | 20 01 32 | 4.39 | 1.13 | 74% | | | D15-Storage pending any of the operations numbered D1 to D14 | | |
| | 20 01 33* | batteries and accumulators included in 16 06 01, 16 06 02 or 16 06 03 and unsorted batteries and accumulators containing these batteries | 20 01 33* | 15.42 | 15.289 | 1% | | | D15-Storage pending any of the operations numbered D1 to D14 | | |
| | 20 01 35* | discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components (6) | 20 01 35* | 24.87 | 8.3 | 67% | | | D15-Storage pending any of the operations | 1.19 | |
| | 20 01 36 | discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35 | 20 01 36 | 8.99 | 26.25 | -192% | | | D15-Storage pending any of the operations numbered D1 to D14 | | |
| | 20 01 39 | plastics | 20 01 39 | 1.12 | 0 | 100% | | | D15-Storage pending any of the operations numbered D1 to D14 | | |
| | 20 01 40 | metals | 20 01 40 | 1.46 | 1.002 | 31% | | | D15-Storage pending any of the operations numbered D1 to D14 | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | Radiological Licence | Carbon 14 to Sewer | | 2501.20 MBq | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

**SECTION C-TO BE COMPLETED BY ALL WASTE FACILITIES (waste transfer stations, Composters, Material recovery facilities etc) EXCEPT LANDFILL SITES**

| | |
|---|---|
| Is all waste processing infrastructure as required by your licence and approved by the Agency in place? If no please list waste processing infrastructure required onsite | Yes |
| Is all waste storage infrastructure as required by your licence and approved by the Agency in place? If no please list waste storage infrastructure required on site | Yes |
| Does your facility have relevant nuisance controls in place? | Yes |
| Do you have an odour management system in place for your facility? If no why? | Yes |
| Do you maintain a sludge register on site? | No |

**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 (ha to tenths) | Lined disposal area occupied by (ha to tenths) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | SELECT UNIT | SELECT UNIT |
| Cell 8 | | | | | | | | | | | |

**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 either | Area with waste that should be permanently | What materials are used in the cap | Comments |
|---|---|---|---|---|---|---|
| SELECT UNIT | SELECT UNIT | | | | | |
| | | | | | | |

*please note this includes daily cover area

**Table 6 Leachate-Landfill only**

| | |
|---|---|
| Is leachate from your site treated in a Waste Water Treatment Plant? | SELECT |
| 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 | |

| WASTE SUMMARY | Lic No: | W054-02 | Year | 2013 |
|---|---|---|---|---|

| | | | | | | |
|---|---|---|---|---|---|---|
| D1 | D1-Deposit into or onto land | Yes | | Public | | |
| D2 | D2-Land treatment | No | | Private | | 01-WASTE RESULTING FROM EXPLORATION, MINING, QUARRYING, AND PHYSICAL AND CHEMICAL TREATMENT OF MINERALS |
| D3 | D3-Deep injection | N/A | | Inert | | 02-WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND PROCESSING |
| D4 | D4-Surface impoundment | SELECT | | Non Hazardous | | 03- WASTES FROM WOOD PROCESSING AND THE PRODUCTION OF PANELS AND FURNITURE, PULP, PAPER AND CARDBOARD |
| D5 | D5- Specially engineered landfill | 0-15 | | | | 04- WASTES FROM THE LEATHER, FUR AND TEXTILE INDUSTRIES |
| D6 | D6-Release into a water body except seas or oceans | 15-30 | | | | 05- WASTES FROM PETROLEUM REFINING, NATURAL GAS PURIFICATION AND PYROLYTIC TREATMENT OF COAL |
| D7 | D7-Release to seas/oceans including sea bed insertion | 30-45 | | | | 06- WASTES FROM INORGANIC CHEMICAL PROCESSES |
| D8 | D8-Biological treatment not specified elsewhere which are discarded by me | 45-60 | | | | 07- WASTES FROM ORGANIC CHEMICAL PROCESSES |
| D9 | D9-Physico-Chemical treatment not specified elsewhere which results in fia | | 0% | m2 | | 08- WASTES FORM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS,) ADHESIVES, SEALANTS AND PRINTING INKS |
| D10 | D10-Incineration on land | | 10% | ha | | 09- WASTES FROM THE PHOTOGRAPHIC INDUSTRY |
| D11 | D11-Incineration at sea | | 20% | a | | 10- WASTES FROM THERMAL PROCESSES |
| D12 | D12-Permanent storage | | 30% | | | 11- WASTES FROM CHEMICAL SURFACE TREATMENT AND COATING OF METALS AND OTHER MATERIALS; NON-FERROUS HYDRO-METALLURGY |
| D13 | D13- Blending or mixing prior to submission to any of the operations numb | | 40% | | | 12-WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS |
| D14 | D14-Repackaging prior to submission to any of the operations numbered D | | 50% | | | 13- OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19) |
| D15 | D15-Storage pending any of the operations numbered D1 to D14 | | 60% | | | 14- WASTE ORGANIC SOLVENTS, REFRIGERANTS AND PROPELLANTS (except 07 and 08) |
| R1 | R1-Use principally as a fuel or other means to generate energy | | 70% | | | 15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED |
| R2 | R2-Solvent reclamation/regeneration | | 80% | | | 16- WASTES NOT OTHERWISE SPECIFIED IN THE LIST |
| R3 | R3-Recvcline/reclamation or organic substances which are not used as solv | | 90% | | | 17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES) |
| R4 | R4- Recycling/reclamation of metals and metal compounds | | 100% | | | 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) |
| R5 | R5-Recvcline/reclamation or other inorganic materials which includes soil c | SELECT | | | | 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 |
| R6 | R6-Regeneration of acides or bases | | | | | 20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS |
| R7 | R7-Recovery of components used for pollution abatement | | | | | |
| R8 | R8-Recovery of components from catalysts | | | | | |
| R9 | R9-Oil re-refining or other reuses of oil | | | | | |
| R10 | R10-Land treatment resulting in benefit to agriculture or ecological improvement | | | | | |
| R11 | R11-Use of waste obtained from any of the operations numbered R1 to R10 | | | | | |
| R12 | 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) | | | | | |
| R13 | R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage) | | | | | |
| SELECT | | | | | | |