

Headquarters  
P.O. Box 3000  
Johnstown Castle Estate  
County Wexford  
Ireland

**INDUSTRIAL EMISSIONS LICENCE**

|                                  |                                                                              |
|----------------------------------|------------------------------------------------------------------------------|
| <b>Licence Register Number:</b>  | <b>P1093-01</b>                                                              |
| <b>Company Register Number:</b>  | <b>216626</b>                                                                |
| <b>Licensee:</b>                 | <b>Soltec (Ireland) Limited</b>                                              |
| <b>Location of Installation:</b> | <b>IDA Business Park,<br/>Clonmore,<br/>Mullingar,<br/>County Westmeath.</b> |



## ENVIRONMENTAL PROTECTION AGENCY ACT 1992 AS AMENDED

### INDUSTRIAL EMISSIONS LICENCE

Decision of Agency, under Section 83(1) of the EPA Act 1992 as amended in respect of licence

Reference number in Register of licences: P1093-01

Further to notice dated 17/12/19, the Agency in exercise of the powers conferred on it by the Environmental Protection Agency Act 1992 as amended, for the reasons hereinafter set out, hereby grants an Industrial Emissions licence to Soltec (Ireland) Limited, Mullingar Business Park, Mullingar, County Westmeath, CRO number 216626,

to carry on the following activities:

|         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 11.1    | The recovery or disposal of waste in a facility, within the meaning of the Act of 1996, which facility is connected or associated with another activity specified in this Schedule in respect of which a licence or revised licence under Part IV is in force or in respect of which a licence under the said Part is or will be required.                                                                                                                                                                       |
| 11.2    | Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving:<br>(b) physico-chemical treatment;<br>(c) blending or mixing prior to submission to any of the other activities listed in paragraph 11.2 or 11.3;<br>(d) repackaging prior to submission to any other the other activities listed in paragraph 11.2 or 11.3;<br>(e) solvent reclamation or regeneration;<br>(f) recycling or reclamation of inorganic materials other than metals or metal compounds.             |
| 11.4(b) | Recovery, or a mix of recovery and disposal, of non-hazardous waste with a capacity exceeding 75 tonnes per day involving one or more of the following activities, (other than activities to which the Urban Waste Water Treatment Regulations 2001 (S.I. No. 254 of 2001) apply):<br><br>(ii) pre-treatment of waste for incineration or co-incineration;<br><br>(iv) treatment in shredders of metal waste, including waste electrical and electronic equipment and end-of-life vehicles and their components; |
| 11.6    | Temporary storage of hazardous waste, (other than waste referred to in paragraph 11.5) pending any of the activities referred to in paragraph 11.2, 11.3, 11.5 or 11.7 with a total capacity exceeding 50 tonnes, other than temporary storage, pending collection, on the site where the waste is generated.                                                                                                                                                                                                    |


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At IDA Business Park, Clonmore, Mullingar, County Westmeath, subject to the conditions as set out.

GIVEN under the Seal of the Agency on this the 2nd day of July 2020.

PRESENT when the seal of the Agency was affixed hereto:

  
Tara Gillen, Authorised Person



## ***INTRODUCTION***

*This introduction is not part of the licence and does not purport to be a legal interpretation of the licence.*

This Soltec (Ireland) Limited installation is proposed to be located in the IDA Business Park in Mullingar, County Westmeath. It is proposed to accept 20,000 tonnes of waste solvent material for distillation and recycling, with subsequent generation of marketable products at the installation.

Soltec (Ireland) Limited provide a number of services including waste collection, solvent cleaning machines, solvent recovery, solvent production and sales and a waste transfer station.

The licensee is required to carry out regular environmental monitoring and to submit monitoring results and a range of reports on the operation and management of the installation to the Agency.

For the purposes of the EU Industrial Emissions Directive (2010/75/EU), this installation falls within the scope of Categories 5.1, 5.3(b) and 5.5.

The licence sets out in detail the conditions under which Soltec (Ireland) Limited will operate and manage this installation.



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## ***Glossary of Terms***

All terms in this licence should be interpreted in accordance with the definitions in the Environmental Protection Agency Act 1992 as amended, unless otherwise defined in the section.

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Adequate lighting</b>      | 20 lux measured at ground level.                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>AER</b>                    | Annual Environmental Report.                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Aerosol</b>                | A suspension of solid or liquid particles in a gaseous medium.                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Approval</b>               | Approval in writing/electronically.                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Annually</b>               | All or part of a period of twelve consecutive months.                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Application</b>            | The application by the licensee for this licence.                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Appropriate Facility</b>   | A waste management facility or installation, duly authorised under relevant law and technically suitable.                                                                                                                                                                                                                                                                                                                                                   |
| <b>Attachment</b>             | Any reference to Attachments in this licence refers to attachments submitted as part of this licence application.                                                                                                                                                                                                                                                                                                                                           |
| <b>BAT</b>                    | Best Available Techniques.                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>BAT conclusions</b>        | A document containing the parts of a BAT reference document laying down the conclusions on best available techniques, their description, information to assess their applicability, the emission levels associated with the best available techniques, associated monitoring, associated consumption levels and, where appropriate, relevant site remediation measures.                                                                                     |
| <b>BAT reference document</b> | A document drawn up by the Commission of the European Union in accordance with Article 13 of the Industrial Emissions Directive, resulting from the exchange of information in accordance with that Article of that Directive and describing, in particular, applied techniques, present emissions and consumption levels, techniques considered for the determination of best available techniques as well as BAT conclusions and any emerging techniques. |
| <b>Biannually</b>             | At approximately six – monthly intervals.                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Biennially</b>             | Once every two years.                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>BOD</b>                    | 5 day Biochemical Oxygen Demand (without nitrification suppression).                                                                                                                                                                                                                                                                                                                                                                                        |

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|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CEN</b>                 | Comité Européen De Normalisation – European Committee for Standardisation.                                                                                                                                                                                                                |
| <b>CID</b>                 | Commission Implementing Decision establishing best available techniques (BAT) conclusions for waste treatment, under Directive 2010/75/EU of the European Parliament and of the Council.                                                                                                  |
| <b>COD</b>                 | Chemical Oxygen Demand.                                                                                                                                                                                                                                                                   |
| <b>Containment boom</b>    | A boom that can contain spillages and prevent them from entering drains or watercourses or from further contaminating watercourses.                                                                                                                                                       |
| <b>CRO Number</b>          | Company Register Number.                                                                                                                                                                                                                                                                  |
| <b>Daily</b>               | During all days of plant operation and, in the case of emissions, when emissions are taking place; with at least one measurement on any one day.                                                                                                                                          |
| <b>Day</b>                 | Any 24 hour period.                                                                                                                                                                                                                                                                       |
| <b>Daytime</b>             | 0700 hrs to 1900 hrs                                                                                                                                                                                                                                                                      |
| <b>dB(A)</b>               | Decibels (A weighted).                                                                                                                                                                                                                                                                    |
| <b>Diffuse Emissions</b>   | Non-channelled emissions which can result from ‘area’ sources (e.g. tanks) or ‘point’ sources (e.g. pipe flanges).                                                                                                                                                                        |
| <b>DO</b>                  | Dissolved oxygen.                                                                                                                                                                                                                                                                         |
| <b>Documentation</b>       | Any report, record, results, data, drawing, proposal, interpretation or other document in written or electronic form which is required by this licence.                                                                                                                                   |
| <b>Drawing</b>             | Any reference to a drawing or drawing number means a drawing or drawing number contained in the application, unless otherwise specified in this licence.                                                                                                                                  |
| <b>Emission limits</b>     | Those limits, including concentration limits and deposition rates, established in <i>Schedule B: Emission Limits</i> , of this licence.                                                                                                                                                   |
| <b>EMP</b>                 | Environmental Management Programme.                                                                                                                                                                                                                                                       |
| <b>End-of-Waste Status</b> | As specified in Article 28 of the European Communities (Waste Directive) Regulations 2011 (S.I. No. 126 of 2011).                                                                                                                                                                         |
| <b>End User Agreement</b>  | An agreement between the licensee and Irish Water which provides for the contractual conditions and arrangements (outside the terms and conditions set out in this licence) relating to the acceptance of, and treatment by, Irish Water of the licensee’s trade effluent and wastewater. |

|                                  |                                                                                                                                                                                                                         |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Environmental damage</b>      | As defined in Directive 2004/35/EC.                                                                                                                                                                                     |
| <b>EPA</b>                       | Environmental Protection Agency.                                                                                                                                                                                        |
| <b>Evening Time</b>              | 1900hrs to 2300hrs                                                                                                                                                                                                      |
| <b>Facility</b>                  | Any site or premises used for the purpose of the recovery or disposal of waste.                                                                                                                                         |
| <b>Fortnightly</b>               | A minimum of 24 times per year, at approximately two week intervals.                                                                                                                                                    |
| <b>GC/MS</b>                     | Gas chromatography/mass spectroscopy.                                                                                                                                                                                   |
| <b>Groundwater</b>               | Has the meaning assigned to it by Regulation 3 of the European Communities Environmental Objectives (Groundwater) Regulations 2010 (S.I. No. 9 of 2010), as amended.                                                    |
| <b>ha</b>                        | Hectare.                                                                                                                                                                                                                |
| <b>Hazardous Substances</b>      | Substances or mixtures as defined in Article 3 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures. |
| <b>Heavy metals</b>              | This term is to be interpreted as set out in "Parameters of Water Quality, Interpretation and Standards" published by the Agency in 2001. ISBN 1-84095-015-3.                                                           |
| <b>Hours of operation</b>        | The hours during which the installation is authorised to be operational.                                                                                                                                                |
| <b>Hours of waste acceptance</b> | The hours during which the installation is authorised to accept waste.                                                                                                                                                  |
| <b>ICP</b>                       | Inductively coupled plasma spectroscopy.                                                                                                                                                                                |
| <b>IE</b>                        | Industrial Emissions.                                                                                                                                                                                                   |





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|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Incident</b>                       | <p>The following shall constitute an incident for the purposes of this licence:</p> <ul style="list-style-type: none"><li>(i) an emergency;</li><li>(ii) any emission which does not comply with the requirements of this licence;</li><li>(iii) any malfunction or breakdown of key environmental abatement, control or monitoring equipment</li><li>(iv) any exceedance of the daily duty capacity of the waste handling equipment;</li><li>(v) any trigger level specified in this licence which is attained or exceeded; and,</li><li>(vi) any indication that environmental pollution has, or may have, taken place.</li></ul> |
| <b>Industrial Emissions Directive</b> | Directive 2010/75/EU of the European Parliament and of the Council of 24 November 2010 on industrial emissions (integrated pollution prevention and control) (Recast).                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Industrial waste</b>               | As defined in Section 5(1) of the Waste Management Act 1996 as amended.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Installation</b>                   | A stationary technical unit or plant where the activity concerned referred to in the First Schedule of EPA Act 1992 as amended is or will be carried on, and shall be deemed to include any directly associated activity, which has a technical connection with the activity and is carried out on the site of the activity.                                                                                                                                                                                                                                                                                                        |
| <b>Irish Water</b>                    | Irish Water, Colvill House, 24/26 Talbot Street, Dublin 1.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>K</b>                              | Kelvin.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>kPa</b>                            | Kilopascals.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b><math>L_{Aeq,T}</math></b>         | This is the equivalent continuous sound level. It is a type of average and is used to describe a fluctuating noise in terms of a single noise level over the sample period (T).                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b><math>L_{A,T}</math></b>           | The Rated Noise Level, equal to the $L_{Aeq}$ during a specified time interval (T), plus specified adjustments for tonal character and/or impulsiveness of the sound.                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Licensee</b>                       | Soltec (Ireland) Limited, Mullingar Business Park, Mullingar, County Westmeath, CRO Number: 216626.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Liquid waste</b>                   | Any waste in liquid form and containing less than 2% dry matter.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

|                                       |                                                                                                                                                                                                                                                                                                                                                                                                                         |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Local Authority</b>                | Westmeath County Council.                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>List of Waste (LoW)</b>            | A harmonised, non-exhaustive list of wastes drawn up by the European Commission and published as Commission Decision 2014/955/EU, as amended by any subsequent amendment published in the Official Journal of the European Community.                                                                                                                                                                                   |
| <b>Mass flow limit</b>                | An emission limit value expressed as the maximum mass of a substance that can be emitted per unit time.                                                                                                                                                                                                                                                                                                                 |
| <b>Mass flow threshold</b>            | A mass flow rate above which a concentration limit applies.                                                                                                                                                                                                                                                                                                                                                             |
| <b>Monthly</b>                        | A minimum of 12 times per year, at intervals of approximately one month.                                                                                                                                                                                                                                                                                                                                                |
| <b>Night-time</b>                     | 2300 hrs to 0700 hrs.                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Noise-sensitive location (NSL)</b> | Any dwelling house, hotel or hostel, health building, educational establishment, place of worship or entertainment, or any other installation or area of high amenity which for its proper enjoyment requires the absence of noise at nuisance levels.                                                                                                                                                                  |
| <b>Odour-sensitive location</b>       | Any dwelling house, hotel or hostel, health building, educational establishment, place of worship or entertainment, or any other premises or area of high amenity which for its proper enjoyment requires the absence of odour at nuisance levels.                                                                                                                                                                      |
| <b>Oil separator</b>                  | Device installed according to the International Standard I.S. EN 858-2:2003 (Separator system for light liquids, (e.g. oil and petrol) – Part 2: Selection of normal size, installation, operation and maintenance).                                                                                                                                                                                                    |
| <b>Potential emissions</b>            | Emissions which take place only under abnormal operating conditions. Examples include emissions from overpressure valves, bursting discs, and emergency generators.                                                                                                                                                                                                                                                     |
| <b>PRTR</b>                           | Pollutant Release and Transfer Register.                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Quarterly</b>                      | All or part of a period of three consecutive months beginning on the first day of January, April, July or October.                                                                                                                                                                                                                                                                                                      |
| <b>Relevant Hazardous Substances</b>  | Those substances or mixtures defined within Article 3 of Regulation (EC) No 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP Regulation) which, as a result of their hazardousness, mobility, persistence and biodegradability (as well as other characteristics), are capable of contaminating soil or groundwater and are used, produced and/or released by the installation. |

|                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>SAC</b>                      | Special Area of Conservation designated under the Habitats Directive, Council Directive 92/43/EEC of 21 May 1992 on the conservation of natural habitats and of wild fauna and flora.                                                                                                                                                                                                                                                                                                                             |
| <b>Sample(s)</b>                | Unless the context of this licence indicates to the contrary, the term samples shall include measurements taken by electronic instruments.                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Sanitary effluent</b>        | Wastewater from installation toilet, washroom and canteen facilities.                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Soil</b>                     | The top layer of the Earth's crust situated between the bedrock and the surface. The soil is composed of mineral particles, organic matter, water, air and living organisms.                                                                                                                                                                                                                                                                                                                                      |
| <b>SOP</b>                      | Standard operating procedure.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>SPA</b>                      | Special Protection Area designated under the Birds Directive, Directive 2009/147/EC of the European Parliament and of the Council of 30 November 2009 on the conservation of wild birds                                                                                                                                                                                                                                                                                                                           |
| <b>Specified emissions</b>      | Those emissions listed in <i>Schedule B: Emission Limits</i> , of this licence.                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Standard method</b>          | A National, European or internationally recognised procedure (e.g. I.S. EN, ISO, CEN, BS or equivalent); or an in-house documented procedure based on the above references; a procedure as detailed in the current edition of "Standard Methods for the Examination of Water and Wastewater" (prepared and published jointly by A.P.H.A., A.W.W.A. & W.E.F.), American Public Health Association, 1015 Fifteenth Street, N.W., Washington DC 20005, USA; or an alternative method as may be agreed by the Agency. |
| <b>Storage</b>                  | Includes holding of waste.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Storm water</b>              | Rain water run-off from roof and non-process areas.                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>The Agency</b>               | Environmental Protection Agency.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>TOC</b>                      | Total organic carbon.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Trade effluent</b>           | Trade effluent has the meaning given in the Water Services Act, 2007.                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Trigger level</b>            | A parameter value, the achievement or exceedance of which requires certain actions to be taken by the licensee.                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Waste</b>                    | Any substance or object which the holder discards or intends or is required to discard.                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Water Services Authority</b> | Westmeath County Council.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

**Weekly** During all weeks of plant operation and, in the case of emissions, when emissions are taking place; with at least one measurement in any one week.

**WWTP** Waste water treatment plant.

## ***Decision & Reasons for the Decision***

The Environmental Protection Agency is satisfied, on the basis of the information available, that subject to compliance with the conditions of this licence, any emissions from the activity will comply with and will not contravene any of the requirements of Section 83(5) of the Environmental Protection Agency Act 1992 as amended.

The Agency also considers that the activities will not adversely affect the integrity of any European Site, and has decided to impose conditions for the purposes of ensuring they do not do so. It has determined that the activities, if managed, operated and controlled in accordance with the licence, will not have any adverse effect on the integrity of any of those sites.

The Agency has applied the Commission Implementing Decision 2018/1147 establishing Best Available Techniques (BAT) Conclusions, under Directive 2010/75/EU of the European Parliament and of the Council, for waste treatment as a reference when setting licence conditions.

The Agency has accordingly decided to grant a licence to Soltec (Ireland) Limited to carry on the activities listed in *Part I, Schedule of Activities Licensed*, subject to the conditions set out in *Part III Conditions*;

In reaching this decision the Agency has considered the documentation relating to:

- the application, Register Number: P1093-01 and the supporting documentation received from the applicant;
- the submission received;
- the Inspector's Report dated 28 November 2019;
- the Proposed Determination dated 17 December 2019;
- the objection received from the Applicant;
- the Technical Committee Report dated 17 June 2020 on the objection to the Proposed Determination

and has carried out an Environmental Impact Assessment (EIA) and an Appropriate Assessment of the likely significant effects of the activity on European Sites.

It is considered that the Inspector's Report and the Technical Committee Report represent a fair and reasonable examination, evaluation and analysis of the likely significant effects of the activities on the environment, and adequately and accurately identify, describe and assess those effects. The assessment as reported in these documents is adopted as the assessment of the Agency. Having regard to this assessment, it is considered that the activities, if managed, operated and controlled in accordance with the licence will not result in the contravention of any relevant environmental quality standards or cause environmental pollution.

Having regard to the examination of environmental information in the Inspector's Report, and in particular to the content of the Environmental Impact Assessment Report (EIAR) and supplementary information provided by the applicant and the third parties in the course of the application, it is considered that the potential significant direct and indirect effects of the activities on the environment are as follows:

- Emissions to air;
- Noise emissions;
- Accidental leakages or spills.

Having assessed those potential effects, the Agency has concluded as follows:

- Emissions to air will be mitigated through: operation of abatement; imposing emission limit values to comply with ambient air quality standards; and implementing monitoring, maintenance and control measures;

- Noise emissions will be mitigated through: imposing daytime, evening-time and night-time noise limits at noise sensitive locations; and implementing monitoring, maintenance and control measures;
- Accidental leakages or spills will be mitigated through inspection and maintenance of bunds and tanks and accident and emergency requirements specified in the licence.

Having regard to the effects (and interactions) identified, described and assessed throughout the Inspector's Report, it is considered that the monitoring, mitigation and preventative measures proposed will enable the activities to operate without causing environmental pollution, subject to compliance with the licence.

The conditions of the licence and the mitigation measures proposed will significantly reduce the likelihood of accidental emissions occurring and limit the environmental consequences of an accidental emission should one occur.

A screening for Appropriate Assessment was undertaken to assess, in view of best scientific knowledge and the conservation objectives of the site, if the activities, individually or in combination with other plans or projects are likely to have a significant effect on any European Site. In this context, particular attention was paid to the European Site(s) at Lough Ennell SAC, Lough Owel SAC, Wooddown Bog SAC, Scragh Bog SAC, Lough Ennell SPA, Lough Owel SPA and Lough Iron SPA.

The activities are not directly connected with or necessary to the management of any European Site and the Agency considered, for the reasons set out below, that it cannot be excluded, on the basis of objective information, that the activities, individually or in combination with other plans or projects, will have a significant effect on any European Site and accordingly determined that an Appropriate Assessment of the activities was required, and for this reason determined to require the applicant to submit a Natura Impact Statement. The reason for this decision is based on the potential significant effects of the proposed activities on the European sites.

The Agency has completed the Appropriate Assessment of potential impacts on these site(s) and has made certain, based on best scientific knowledge in the field and in accordance with the European Communities (Birds and Natural Habitats) Regulations 2011 as amended, pursuant to Article 6(3) of the Habitats Directive, that the activities, individually or in combination with other plans or projects, will not adversely affect the integrity of any European Site, in particular Lough Ennell SAC, Lough Owel SAC, Wooddown Bog SAC, Scragh Bog SAC, Lough Ennell SPA, Lough Owel SPA and Lough Iron SPA, having regard to their conservation objectives and will not affect the preservation of these sites at favourable conservation status if carried out in accordance with this licence and the Conditions attached hereto for the following reasons:

- Condition 5 requires that no specified emission from the installation shall exceed the emission limit values set out in *Schedule B: Emission Limits* of this licence. There shall be no other emissions of environmental significance.
- Condition 3.10 requires full retention oil separators on all storm water discharges. The licence requires the applicant to discharge only uncontaminated storm water.
- Noise levels from the installation will not impact on the qualifying interests within a European Site. The licence specifies noise ELVs of 55dB(A)<sub>L<sub>A</sub>T</sub> (daytime), 50dB(A)<sub>L<sub>A</sub>T</sub> and 45dB(A)<sub>L<sub>A</sub>eq,T</sub> (night-time) at any noise sensitive location.
- Emissions to air will be mitigated through chilled glycol columns on the emissions from the distillation units and through carbon filters or bag filters on the emissions from the solid recovered fuel activity. The imposing of emission limit values and monitoring requirements will ensure compliance with air quality standards.
- While there is potential for accidents and unplanned releases from the installation, it is considered that the Conditions of this licence in relation to bunding and the protection of surface water and groundwater, are sufficient to ensure that accidental emissions from the activity will not impact on the qualifying interests of any of the European sites identified above. This licence specifies accident prevention and emergency response requirements.

The Agency is satisfied that no reasonable scientific doubt remains as to the absence of adverse effects on the integrity of those European Site(s) Lough Ennell SAC, Lough Owel SAC, Wooddown Bog SAC, Scragh Bog SAC, Lough Ennell SPA, Lough Owel SPA and Lough Iron SPA.

## ***Part I Schedule of Activities Licensed***

In pursuance of the powers conferred on it by the Environmental Protection Agency Act 1992 as amended, the Agency hereby grants this Industrial Emissions licence to:

Soltec (Ireland) Limited, Mullingar Business Park, Mullingar, County Westmeath, CRO Number 216626

under Section 83(1) of the said Act to carry on the following activities:

|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>11.1</b>    | The recovery or disposal of waste in a facility, within the meaning of the Act of 1996, which facility is connected or associated with another activity specified in this Schedule in respect of which a licence or revised licence under Part IV is in force or in respect of which a licence under the said Part is or will be required.                                                                                                                                                                       |
| <b>11.2</b>    | Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving:<br>(b) physico-chemical treatment;<br>(c) blending or mixing prior to submission to any of the other activities listed in paragraph 11.2 or 11.3;<br>(d) repackaging prior to submission to any other the other activities listed in paragraph 11.2 or 11.3;<br>(e) solvent reclamation or regeneration;<br>(f) recycling or reclamation of inorganic materials other than metals or metal compounds.             |
| <b>11.4(b)</b> | Recovery, or a mix of recovery and disposal, of non-hazardous waste with a capacity exceeding 75 tonnes per day involving one or more of the following activities, (other than activities to which the Urban Waste Water Treatment Regulations 2001 (S.I. No. 254 of 2001) apply):<br><br>(ii) pre-treatment of waste for incineration or co-incineration;<br><br>(iv) treatment in shredders of metal waste, including waste electrical and electronic equipment and end-of-life vehicles and their components; |
| <b>11.6</b>    | Temporary storage of hazardous waste, (other than waste referred to in paragraph 11.5) pending any of the activities referred to in paragraph 11.2, 11.3, 11.5 or 11.7 with a total capacity exceeding 50 tonnes, other than temporary storage, pending collection, on the site where the waste is generated.                                                                                                                                                                                                    |

at IDA Business Park, Clonmore, Mullingar, County Westmeath, subject to the following twelve Conditions, with the reasons therefor and associated schedules attached thereto.



## ***Part II Schedule of Activities Refused***

*None of the proposed activities as set out in the licence application have been refused.*



## ***Part III Conditions***

### **Condition 1. Scope**

- 1.1 Industrial Emissions Directive activities at this installation shall be restricted to those listed and described in *Part I Schedule of Activities Licensed* and shall be as set out in the licence application or as modified under Condition 1.4 of this licence and subject to the Conditions of this licence.
- 1.2 The licensee shall carry on the licensed activities in accordance with the limitations set out in *Schedule A: Limitations* of this licence.
- 1.3 For the purposes of this licence, the installation is the area of land outlined in red on the "Location Map" (Drawing no: EPA3256-C004) of the application form. Any reference in this licence to "installation" shall mean the area thus outlined in red. The licensed activities shall be carried on only within the area outlined.
- 1.4 No alteration to, or reconstruction in respect of, the activity, or any part thereof, that would, or is likely to, result in
- (i) a material change or increase in:
    - the nature or quantity of any emission;
    - the abatement/treatment or recovery systems;
    - the range of processes to be carried out;
    - the fuels, raw materials, intermediates, products or wastes generated, or
  - (ii) any changes in:
    - site management, infrastructure or control with adverse environmental significance;
- shall be carried out or commenced without prior notice to, and without the approval of the Agency.
- 1.5 The installation shall be controlled, operated and maintained, and emissions shall take place as set out in the licence. All programmes required to be carried out under the terms of this licence become part of this licence.
- 1.6 This licence is for the purpose of licensing under the EPA Act 1992 as amended only and nothing in this licence shall be construed as negating the licensee's statutory obligations or requirements under any other enactments or regulations.
- 1.7 **Waste Acceptance Hours and Hours of Operation**
- 1.7.1 With the exception of emergencies, or as may be agreed by the Agency, waste shall only be accepted at or dispatched from the installation between the hours of 0700 and 2100 Monday to Saturday inclusive.
- 1.7.2 The installation shall not accept/dispatch waste on Sundays or Bank Holidays without the agreement of the Agency.
- 1.8 Having regard to the nature of the activity and arrangements necessary to be made or made in connection with the carrying on of the activity, the specified period for the purposes of Section 92(2)(a) of the EPA Act 1992 as amended, is five years

**Reason:** To clarify the scope of this licence.

## **Condition 2. Management of the Installation**

### **2.1 Installation Management**

- 2.1.1 The licensee shall employ a suitably qualified and experienced installation manager who shall be designated as the person in charge. The installation manager or a nominated, suitably qualified and experienced deputy shall be present on the installation at all times during its operation or as otherwise required by the Agency.
- 2.1.2 The licensee shall ensure that personnel performing specifically assigned tasks shall be qualified on the basis of appropriate education, training and experience as required and shall be aware of the requirements of this licence.

### **2.2 Environmental Management System (EMS)**

- 2.2.1 The licensee shall establish, maintain and implement an Environmental Management System (EMS), which shall incorporate energy efficiency management, in advance of the commencement of the activity. The EMS shall be reviewed by senior management for suitability, adequacy and effectiveness and updated on an annual basis.

- 2.2.2 The EMS shall include, as a minimum, the following elements:

- 2.2.2.1 Commitment of management, including senior management.
- 2.2.2.2 An environmental policy defined for the installation that includes the continuous improvement for the installation by the management.
- 2.2.2.3 Management and Reporting Structure and responsibility.
- 2.2.2.4 The necessary procedures, objectives and targets, in conjunction with financial planning and investment.
- 2.2.2.5 Procedures that ensure employee involvement in ensuring compliance with environmental legislation.
- 2.2.2.6 A procedure for checking performance by sectoral benchmarking on a regular basis including energy efficiency.
- 2.2.2.7 Schedule of Environmental Objectives and Targets

The licensee shall prepare, maintain and implement a Schedule of Environmental Objectives and Targets. The Schedule shall, as a minimum, provide for a review of all operations and processes, including an evaluation of practicable options, for energy and resource efficiency, reduction in water consumption, reduction in effluent generation, the use of cleaner technology, cleaner production, odour and noise management, and the prevention, reduction and minimisation of waste and shall include waste reduction targets. The Schedule shall include time frames for the achievement of set targets and shall address a five-year period as a minimum. The Schedule shall be reviewed annually.

- 2.2.2.8 Environmental Management Programme (EMP)

The licensee shall prepare, maintain and implement an EMP, including a time schedule, for achieving the Environmental Objectives and Targets prepared under Condition 2.2.2.7. The EMP shall include:

- designation of responsibility for targets;
- the means by which they may be achieved;
- the time within which they may be achieved.

The EMP shall be reviewed annually.

A report on the programme, including the success in meeting agreed targets, shall be prepared and submitted to the Agency as part of the AER. Such reports shall be retained on-site for a period of not less than seven years and shall be available for inspection by authorised persons of the Agency.

**2.2.2.9 Documentation**

- (i) The licensee shall establish, maintain and implement an environmental management documentation system.
- (ii) The licensee shall issue a copy of this licence to all relevant personnel whose duties relate to any condition of this licence.

**2.2.2.10 Corrective and Preventative Action**

- (i) The licensee shall establish, maintain and implement procedures to ensure that corrective and preventative action is taken should the specified requirements of this licence not be fulfilled. The responsibility and authority for persons initiating further investigation and corrective and preventative action in the event of a reported non-conformity with this licence shall be defined.
- (ii) Where a breach of one or more of the conditions of this licence occurs, the licensee shall without delay take measures to restore compliance with the conditions of this licence in the shortest possible time and initiate any feasible preventative actions to prevent recurrence of the breach.
- (iii) All corrective and preventative actions shall be documented.

**2.2.2.11 Internal Audits**

The licensee shall establish, maintain and implement a programme for independent internal audits of the EMS. Such audits shall be carried out at least once every three years. The audit programme shall determine whether or not the EMS is being implemented and maintained properly, and in accordance with the requirements of the licence. Audit reports and records of the resultant corrective and preventative actions shall be maintained as part of the EMS in accordance with Condition 2.2.2.9.

**2.2.2.12 Awareness, Training and Competence**

The licensee shall establish, maintain and implement procedures for identifying training needs, and for providing appropriate training, for all personnel whose work can have a significant effect upon the environment to ensure awareness and competence in their work area. Appropriate records of training shall be maintained.

**2.2.2.13 Communications Programme**

The licensee shall establish, maintain and implement a Public Awareness and Communications Programme to ensure that members of the public can obtain information at the installation, at all reasonable times, concerning the environmental performance of the installation.

**2.2.2.14 Maintenance Programme**

The licensee shall establish, maintain and implement a programme for maintenance of all plant and equipment based on the instructions issued by the manufacturer/supplier or installer of the equipment. Appropriate record keeping and diagnostic testing shall support this maintenance programme. The licensee shall clearly allocate responsibility for the planning, management and execution of all aspects of this programme to appropriate personnel (see Condition 2.1

above). The maintenance programme shall use appropriate techniques and measures to ensure the optimisation of energy efficiency in plant and equipment.

#### 2.2.2.15 Efficient Process Control

The licensee shall establish, maintain and implement a programme to ensure there is adequate control of processes under all modes of operation. The programme shall identify the key indicator parameters for process control performance, as well as identifying methods for measuring and controlling these parameters. Abnormal process operating conditions shall be documented, and analysed to identify any necessary corrective action.

**Reason:** *To make provision for management of the activity on a planned basis having regard to the desirability of ongoing assessment, recording and reporting of matters affecting the environment.*

### Condition 3. Infrastructure and Operation

- 3.1 The licensee shall ensure, at all times after commencement of activity, that all infrastructure and all equipment required under this licence has been and is:
- (i) installed,
  - (ii) commissioned,
  - (iii) present on site, and
  - (iv) maintained in full working order.
- 3.2 The licensee shall establish and maintain, for each component of the installation, all infrastructure referred to in this licence in advance of the commencement of the licensed activities in that component, or as required by the conditions of this licence. Infrastructure specified in the application that relates to the environmental performance of the installation and is not specified in the licence, shall be installed in accordance with the schedule submitted in the application.
- 3.3 The licensee shall have regard to the following when choosing and/or designing any new plant/infrastructure:
- (i) Energy efficiency, and
  - (ii) The environmental impact of eventual decommissioning.
- 3.4 Installation Notice Board
- (i) The licensee shall, prior to commencement of activity, provide an Installation Notice Board on the installation so that it is legible to persons outside the main entrance to the installation. The minimum dimensions of the board shall be 1200 mm by 750 mm. The notice board shall be maintained thereafter.
  - (ii) The board shall clearly show:
    - (i) the name and telephone number of the installation;
    - (ii) the normal hours of operation;
    - (iii) the normal hours of waste acceptance;
    - (iv) the name of the licence holder;
    - (v) an emergency out of hours contact telephone number;
    - (vi) the licence reference number; and
    - (vii) where environmental information relating to the installation can be obtained.

- 3.5 The licensee shall install on all emission points such sampling points or equipment, including any data-logging or other electronic communication equipment, as may be required by the Agency. All such equipment shall be consistent with the safe operation of all sampling and monitoring systems.
- 3.6 In the case of composite sampling of aqueous emissions from the operation of the installation, a separate composite sample or homogeneous sub-sample (of sufficient volume as advised) shall be refrigerated immediately after collection and retained as required for EPA use.
- 3.7 The licensee shall clearly label and provide safe and permanent access to all on-site sampling and monitoring points and to off-site points as required by the Agency. The requirement with regard to off-site points is subject to the prior agreement of the landowner(s) concerned.
- 3.8 **Tank, Container and Drum Storage Areas**
- 3.8.1 All tank, container and drum storage areas shall be rendered impervious to the materials stored therein. Bunds shall be designed having regard to Agency guidelines 'Storage and Transfer of Materials for Scheduled Activities' (2004).
- 3.8.2 All tank and drum storage areas shall, as a minimum, be bunded, either locally or remotely, to a volume not less than the greater of the following:
- 3.8.2.1 110% of the capacity of the largest tank or drum within the bunded area;
- 3.8.2.2 25% of the total volume of substance that could be stored within the bunded area
- 3.8.3 All drainage from bunded areas shall be treated as contaminated unless it can be demonstrated to be otherwise. All drainage from bunded areas shall be diverted for collection and safe disposal, unless it can be deemed uncontaminated and does not exceed the trigger levels set for storm water emissions under Condition 6.13.
- 3.8.4 All inlets, outlets, vent pipes, valves and gauges must be within the bunded area.
- 3.8.5 All tanks, containers and drums shall be labelled to clearly indicate their contents.
- 3.8.6 All bunds shall be uniquely identified and labelled at the bund.
- 3.8.7 The licensee shall apply a leak detection system in accordance with BAT to all storage tanks, container and drum storage areas that contain liquid material other than water.
- 3.9 The licensee shall have in storage an adequate supply of containment booms and/or suitable absorbent material to contain and absorb any spillage at the installation. Once used, the absorbent material shall be disposed of at an appropriate facility.
- 3.10 **Silt Traps and Oil Separators**
- The licensee shall, within six months of date of grant of this licence, install and maintain silt traps and oil separators at the installation:
- (i) Silt traps to ensure that all storm water discharges, other than from roofs, from the installation pass through a silt trap in advance of discharge;
- (ii) An oil separator on the storm water discharge from yard areas. The separator shall be a Class I full retention/by-pass separator. The separator shall be in accordance with I.S. EN-858-2: 2003 (separator systems for light liquids).
- 3.11 **Fire-water Retention**
- 3.11.1 The licensee shall carry out a risk assessment to determine if the activity should have a fire-water retention facility. The licensee shall submit a report to the Agency for approval on the findings and recommendations of the assessment prior to commencement of licensable activities.

- 3.11.2 In the event that a significant risk exists for the release of contaminated fire-water, the licensee shall, based on the findings of the risk assessment, prepare and implement, with the approval of the Agency, a suitable risk management programme. The risk management programme shall be fully implemented prior to commencement of licensable activities.
- 3.11.3 In the event of a fire or a spillage to storm water, the site storm water shall be diverted for collection.
- 3.11.4 The licensee shall examine (based upon the findings of the risk assessment in Condition 3.11.1) as part of the response programme in Condition 3.11.2 the need to provide automatic diversion of storm water for collection.
- 3.11.5 The licensee shall have regard to any guidelines issued by the Agency with regard to firewater retention.
- 3.12 All pump sumps, storage tanks or other treatment plant chambers from which spillage of environmentally significant materials might occur in such quantities as are likely to breach local or remote containment or separators, shall be fitted with high liquid level alarms (or oil detectors as appropriate) prior to commencement of licensable activities.
- 3.13 The provision of a catchment system to collect any leaks from flanges and valves of all over-ground pipes used to transport material other than water shall be examined. This shall be incorporated into a Schedule of Environmental Objectives and Targets set out in Condition 2. of this licence for the reduction in fugitive emissions.
- 3.14 The licensee shall, prior to commencement of licensable activities, install in a prominent location on the site a wind sock, or other wind direction indicator, which shall be visible from the public roadway outside the site.
- 3.15 **Operational Controls**  
The licensee shall provide and use adequate lighting during the operation of the facility in hours of darkness.
- 3.16 **Dust and Odour Control**  
The licensee shall maintain adequate measures for the control of dust and odour emissions, including fugitive dust emissions, from the facility. Installation of a dust and odour management system shall at a minimum include the following:
- (i) Install and thereafter maintain dust curtains (or equivalent approved by the Agency) on the entry/exit points from the waste treatment building within six months of the commencement of activities unless otherwise agreed by the Agency;
  - (ii) Roller shutter doors shall be installed on all entry/exit points used by waste vehicles;
  - (iii) All doors in this building shall be kept closed when not in use.
- 3.17 **Specified Engineering Works**
- 3.17.1 The licensee shall submit proposals for all Specified Engineering Works, as defined in *Schedule D: Specified Engineering Works*, of this licence, to the Agency for its agreement at least two months in advance of the intended date of commencement of any such works. No such works shall be carried out without the prior agreement of the Agency.
- 3.17.2 All specified engineering works shall be supervised by a competent person(s) and that person, or persons, shall be present at all times during which relevant works are being undertaken.
- 3.17.3 Following the completion of all specified engineering works, the licensee shall complete a construction quality assurance validation. The validation report shall be made available to the Agency on request. The report shall, as appropriate, include the following information:
- (i) A description of the works;
  - (ii) As-built drawings of the works; and



(iii) Any other information requested in writing by the Agency.

**3.18 Installation security**

- 3.18.1 Security and stock-proof fencing and gates shall be maintained at the installation. Subject to the implementation of the Closure, Restoration and Aftercare Management Plan the requirement for such installation security may be removed.
- 3.18.2 The licensee shall maintain a CCTV monitoring system which records all waste vehicle movement into and out of the installation. The CCTV system shall be operated at all times with digital date stamping. Copies of recordings shall be kept on site and made available to the Agency on request.
- 3.18.3 There shall be no unauthorised public access to the installation.
- 3.18.4 Gates shall be locked shut when the installation is unsupervised.
- 3.18.5 The licensee shall remedy any defect in the gates and/or fencing as follows:
  - (i) A temporary repair shall be made by the end of the working day; and
  - (ii) A repair to the standard of the original gates and/or fencing shall be undertaken within three working days.

**3.19 Installation Hardstanding**

The licensee shall provide and maintain an impermeable concrete surface in all areas of the installation used for the movement, holding, storage or processing of waste. The concrete surface shall be constructed to British Standard 8110 or an alternative as agreed by the Agency. The licensee shall remedy any defect in concrete surfaces within five working days.

**3.20 Waste Inspection and Quarantine Areas**

- 3.20.1 A Waste Inspection Area and a Waste Quarantine Area shall be provided and maintained at the installation.
- 3.20.2 These areas shall be constructed and maintained in a manner suitable, and be of a size appropriate, for the inspection of waste and subsequent quarantine if required. The waste inspection area and the waste quarantine area shall be clearly identified and segregated from each other.

**3.21 Waste Treatment Infrastructure**

- 3.21.1 Waste treatment infrastructure shall at a minimum comprise the following:
  - (i) Designated waste acceptance, inspection, quarantine, storage and treatment/processing areas;
  - (ii) Separate storage areas for all waste treatment outputs including any screened fractions;
  - (iii) Waste water management infrastructure; and
  - (iv) Air handling and treatment infrastructure.
- 3.21.2 Items of plant deemed critical to the efficient and adequate processing of waste at the installation (including inter alia waste loading vehicles and ejector trailers) shall be provided on the following basis:
  - (i) 100% duty capacity;
  - (ii) 20% standby capacity available on a routine basis; and,
  - (iii) Provision of contingency arrangements and/or back up and spares in the case of breakdown of critical equipment.



- 3.21.3 The odour control system shall be provided on the following basis:
- (i) 100% duty capacity; and
  - (ii) 50% standby capacity.
- 3.21.4 The licensee shall prepare and maintain on site a record detailing the duty and standby capacity, in tonnes per day, of all waste handling and processing equipment to be used at the installation. These capacities shall be based on the licensed waste intake, as per *Schedule A: Limitations*, of this licence.
- 3.21.5 The quantity of waste to be accepted at the installation on a daily basis shall not exceed the duty capacity of the equipment at the installation. Any exceedance of this intake shall be treated as an incident.
- 3.22 Storm Water Management
- Storm water management infrastructure shall be provided and maintained at the installation during construction works, operation, closure, restoration and aftercare at the installation. As a minimum, the infrastructure shall be capable of the collection/diversion of any contaminated run-off arising within the installation.
- 3.23 Groundwater wells
- 3.23.1 All wellheads at the installation shall be adequately protected to prevent contamination or physical damage prior to commencement of licensable activities.
- 3.23.2 Groundwater wells shall be labelled in situ with their respective identification number and casing elevation in meters above ordnance datum Malin Head (mAOD Malin Head).
- 3.24 Drainage system, pipeline testing
- The drainage system, bunds, silt traps and oil separators shall be inspected weekly, desludged as necessary and properly maintained at all times. All sludge and drainage from these operations shall be collected for safe disposal. A written record shall be kept of the inspections, desludging, cleaning, disposal of associated waste products, maintenance and performance of the interceptors, bunds and drains.
- 3.25 The licensee shall operate a weather monitoring station on the site at a location agreed by the Agency, which records conditions of wind speed and wind direction.
- 3.26 Natural gas, or biodiesel (meeting CEN standard EN14214) shall be used in the boilers on site. In the event of an interruption to the supply of natural gas or biodiesel, an alternative fuel oil may be used with the prior approval of the Agency.
- 3.27 Weighbridge and Wheel Cleaning
- 3.27.1 The licensee shall provide and maintain a weighbridge and wheel cleaner at the installation, unless otherwise agreed by the Agency.
- 3.27.2 All waste arriving at or leaving from the installation shall be weighed at the weighbridge onsite.
- 3.27.3 The wheel cleaner shall be used by all vehicles leaving the installation as required to ensure that no wastewater, waste or storm water is carried off-site. All water from the wheel cleaning area shall be collected for appropriate treatment, reuse or disposal.
- 3.27.4 The wheel-wash shall be inspected on a daily basis and drained as required. Silt, stones and other accumulated material shall be removed as required from the wheel-wash and disposed of appropriately.

**Reason:** *To provide for appropriate operation of the installation to ensure protection of the environment.*

## Condition 4. Interpretation

- 4.1 Emission limit values for emissions to atmosphere in this licence shall be interpreted in the following way:
- 4.1.1 Continuous Monitoring
- (i) No 24 hour mean value shall exceed the emission limit value.
  - (ii) 97% of all 30 minute mean values taken continuously over an annual period shall not exceed 1.2 times the emission limit value.
  - (iii) No 30 minute mean value shall exceed twice the emission limit value.
- 4.1.2 Non-Continuous Monitoring
- (i) For any parameter where, due to sampling/analytical limitations, a 30 minute sample is inappropriate, a suitable sampling period should be employed, and the value obtained therein shall not exceed the emission limit value.
  - (ii) For flow, no hourly or daily mean value, calculated on the basis of appropriate spot readings, shall exceed the relevant limit value.
  - (iii) For all other parameters, no 30 minute mean value shall exceed the emission limit value.
- 4.2 The concentration and volume flow limits for emissions to atmosphere specified in this licence shall be achieved without the introduction of dilution air and shall be based on gas volumes under standard conditions of:
- 4.2.1 From non-combustion sources:
- Temperature 273K, Pressure 101.3 kPa (no correction for oxygen or water content).
- 4.2.2 From combustion sources:
- Temperature 273K, Pressure 101.3 kPa, dry gas; 3% oxygen for liquid and gas fuels, 6% oxygen for solid fuels.
- 4.3 Emission limit values for emissions to sewer/waters in this licence shall be achieved without the introduction of dilution, and shall be interpreted in the following way:
- 4.3.1 Continuous Monitoring
- (i) No flow value shall exceed the specific limit.
  - (ii) No pH value shall deviate from the specified range.
  - (iii) No temperature value shall exceed the limit value.
- 4.3.2 Composite Sampling
- (i) No pH value shall deviate from the specified range.
  - (ii) For parameters other than pH and flow, eight out of ten consecutive composite results, based on flow proportional composite sampling, shall not exceed the emission limit value. No individual results similarly calculated shall exceed 1.2 times the emission limit value.
- 4.3.3 Discrete Sampling
- For parameters other than pH and temperature, no grab sample value shall exceed 1.2 times the emission limit value.
- 4.4 Where the ability to measure a parameter is affected by mixing before emission, then, with agreement from the Agency, the parameter may be assessed before mixing takes place.

**4.5 Noise**

Noise from the installation shall not give rise to sound pressure levels measured at noise sensitive locations which exceed the limit value(s).

**4.6 Dust and Particulate Matter**

Dust and particulate matters from the activity shall not give rise to deposition levels which exceed the limit value(s).

**Reason:** To clarify the interpretation of limit values fixed under the licence.

## **Condition 5. Emissions**

**5.1 Emissions may be made from the specified emission points set out in *Schedule B: Emission Limits*, of this licence subject to compliance with the Emission Limit Values specified in that Schedule.**

5.1.1 Uncontaminated storm water may be discharged to surface water.

5.1.2 Uncontaminated storm water may be emitted to groundwater or to soil.

5.1.3 Minor, diffuse and potential emissions may be emitted to air as specified in the application, or as approved by the Agency under Condition 1 of this licence.

**5.2 Notwithstanding the requirements of Condition 5.1 above, there shall be no other emissions from the installation.**

**5.3 No emissions, including odours, from the activities carried on at the site shall result in an impairment of, or an interference with amenities or the environment beyond the installation boundary or any other legitimate uses of the environment beyond the installation boundary.**

**5.4 No substance shall be discharged in a manner, or at a concentration, that, following initial dilution, causes tainting of fish or shellfish.**

**5.5 The licensee shall ensure that all or any of the following:**

- Vermin
- Birds
- Flies
- Mud
- Litter

associated with the activity do not result in an impairment of, or an interference with, amenities or the environment at the installation or beyond the installation boundary or any other legitimate uses of the environment beyond the installation boundary. Any method used by the licensee to control or prevent any such impairment/interference shall not cause environmental pollution.

**Reason:** To provide for the protection of the environment by way of control and limitation of emissions.

## **Condition 6. Control and Monitoring**

### **6.1 Test Programme**

- 6.1.1 The licensee shall prepare a test programme for abatement equipment installed to abate emissions to atmosphere.
- 6.1.2 The programme shall be completed within three months of the commencement of operation of the abatement equipment.
- 6.1.3 The criteria for the operation of the abatement equipment as determined by the test programme, shall be incorporated into the standard operating procedures.
- 6.1.4 The test programme shall as a minimum:
  - (i) establish all criteria for operation, control and management of the abatement equipment to ensure compliance with the emission limit values specified in this licence; and
  - (ii) assess the performance of any monitors on the abatement system and establish a maintenance and calibration programme for each monitor.
- 6.1.5 A report on the test programme shall be submitted to the Agency within one month of completion.

### **6.2 The licensee shall carry out such sampling, analyses, measurements, examinations, maintenance and calibrations as set out below and in accordance with *Schedule C: Control & Monitoring*, of this licence.**

- 6.2.1 Sampling and analysis shall be undertaken by competent staff in accordance with documented operating procedures. Unless otherwise approved by the Agency, sampling and analysis of emissions to atmosphere shall be carried out by ISO 17025 accredited persons/organisations, with accreditation for the relevant scope of sampling and analysis, and in accordance with the Agency's air monitoring policy.
- 6.2.2 Such procedures shall be assessed for their suitability for the test matrix and performance characteristics shall be determined.
- 6.2.3 Such procedures shall be subject to a programme of Analytical Quality Control using appropriate control standards with evaluation of test responses.
- 6.2.4 Where any analysis is sub-contracted it shall be outsourced to a competent laboratory.

### **6.3 The licensee shall ensure that:**

- (i) sampling and analysis for all parameters listed in the schedules to this licence; and
  - (ii) any reference measurements for the calibration of automated measurement systems;
- shall be carried out in accordance with CEN-standards. If CEN standards are not available, ISO, national or international standards that will ensure the provision of data of an equivalent scientific quality shall apply.

### **6.4 All automatic monitors and samplers shall be functioning at all times (except during maintenance and calibration) when the activity is being carried on unless alternative sampling or monitoring has been approved in writing by the Agency for a limited period. In the event of the malfunction of any continuous monitor, the licensee shall contact the Agency as soon as practicable, and alternative sampling and monitoring facilities shall be put in place. The use of alternative equipment, other than in emergency situations, shall be as approved by the Agency.**

### **6.5 Monitoring and analysis equipment shall be installed, operated and maintained as necessary so that all monitoring accurately reflects the emission/discharge.**

- 6.6 The licensee shall ensure that groundwater monitoring well sampling equipment is available or installed on-site at the installation and is fit for purpose at all times. The sampling equipment shall be to Agency specifications.
- 6.7 All treatment/abatement and emission control equipment shall be calibrated and maintained in accordance with the instructions issued by the manufacturer/supplier or installer.
- 6.8 The frequency, methods and scope of monitoring, sampling and analyses, as set out in this licence, may be amended as required or approved by the Agency following evaluation of test results.
- 6.9 The licensee shall prepare a programme, to the satisfaction of the Agency, for the identification and reduction of fugitive emissions using an appropriate combination of best available techniques. This programme shall be included in the Environmental Management Programme.
- 6.10 The integrity and water tightness of all tanks, bunding structures, containers and underground pipes and their resistance to penetration by water or other materials carried or stored therein shall be tested and demonstrated by the licensee prior to use. This testing shall be carried out by the licensee at least once every three years thereafter and reported to the Agency on each occasion. This testing shall be carried out in accordance with any guidance published by the Agency. A written record of all integrity tests and any maintenance or remedial work arising from them shall be maintained by the licensee.
- 6.11 The storm water drainage system (i.e., gullies, manholes, any visible drainage conduits and such other aspects as may be required by the Agency), bunds, silt traps and oil separators shall be inspected weekly, desludged as necessary, and properly maintained at all times. All sludge and drainage from these operations shall be collected for safe disposal. The licensee shall maintain a drainage map on site. The drainage map shall be reviewed annually and updated as necessary.
- 6.12 An inspection system for the detection of leaks on all flanges and valves on over-ground pipes used to transport materials other than water shall be developed and maintained prior to the commencement of the activity.
- 6.13 Storm Water
- 6.13.1 A visual examination of the storm water discharges shall be carried out daily. A log of such inspections shall be maintained.
- 6.13.2 The licensee shall, within six months of commencement of the activity, establish suitable trigger levels in storm water discharges for pH, TOC, COD, Suspended Solids, Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Zinc, Mercury.
- 6.13.3 The licensee shall have a response programme to address any exceedance of the trigger values such that storm waters exceeding these levels will be diverted for retention and suitable disposal. The licensee shall have regard to the Environmental Protection Agency "Guidance on the setting of trigger values for storm water discharges to off-site surface waters at EPA IPPC and Waste licensed facilities" when establishing the suitable trigger levels.
- 6.14 Noise
- The licensee shall carry out a noise survey of the site operations annually. The survey programme shall be undertaken in accordance with the methodology specified in the 'Guidance Note for Noise: Licence Applications, Surveys and Assessments in Relation to Scheduled Activities (NG4)' as published by the Agency.
- 6.15 Pollutant Release and Transfer Register (PRTR)
- The licensee shall submit a PRTR data report for the site. The pollutants and/or wastes to be included in the PRTR shall be determined by reference to EC Regulations No. 166/2006 concerning the establishment of a European Pollutant Release and Transfer Register. The PRTR shall be prepared in accordance with any relevant Agency guidance and shall be submitted electronically in the format specified by the Agency.

- 6.16 The licensee shall, prior to commencement of activity, develop and establish a Data Management System for collation, archiving, assessing and graphically presenting the monitoring data generated as a result of this licence.
- 6.17 Groundwater Monitoring
- 6.17.1 The licensee shall carry out monitoring for relevant hazardous substances in soil and groundwater at the site of the installation. The substances for monitoring shall be identified by the licensee by undertaking a risk based assessment. The risk assessment, sampling and monitoring shall be carried out in accordance with any guidance published by the Agency. The licensee shall have regard to the 'Classification of Hazardous and Non-Hazardous Substances in Groundwater' as published by the Agency
- 6.17.2 Groundwater monitoring shall be carried out at least once every five years. Monitoring shall be carried out in accordance with *Schedule C.6 Ambient Groundwater Monitoring*, of this licence.
- 6.18 Unless otherwise agreed by the Agency, the licensee shall, in addition to chilled glycol columns, install and use carbon filters on the emission points from the distillation units (Emissions points A2-2, A2-4, A2-6).

**Reason:** *To provide for the protection of the environment by way of treatment and monitoring of emissions.*

## Condition 7. Resource Use and Energy Efficiency

- 7.1 The licensee shall carry out an audit of the energy efficiency of the site within one year of the date of commencement of licensable activities. The audit shall be carried out in accordance with the guidance published by the Agency, "Guidance Note on Energy Efficiency Auditing". The energy efficiency audit shall be repeated at intervals as required by the Agency.
- 7.2 The audit shall identify all practicable opportunities for energy use reduction and efficiency and the recommendations of the audit will be incorporated into the Schedule of Environmental Objectives and Targets under Condition 2 above.
- 7.3 The licensee shall identify opportunities for reduction in the quantity of water used on site including recycling and reuse initiatives, wherever possible. Reductions in water usage shall be incorporated into the Schedule of Environmental Objectives and Targets.
- 7.4 The licensee shall undertake an assessment of the efficiency of use of raw materials in all processes, having particular regard to the reduction in waste generated. The assessment should take account of best international practice for this type of activity. Where improvements are identified, these shall be incorporated into the Schedule of Environmental Objectives and Targets.

**Reason:** *To provide for the efficient use of resources and energy in all site operations.*



## Condition 8. Materials Handling

- 8.1 The licensee shall ensure that waste generated in the carrying on of the activity shall be prepared for re-use, recycling or recovery or, where that is not technically or economically possible, disposed of in a manner which will prevent or minimise any impact on the environment.
- 8.2 Disposal or recovery of waste on-site shall only take place in accordance with the conditions of this licence and in accordance with the appropriate National and European legislation and protocols.
- 8.3 Waste sent off-site for recovery or disposal
- 8.3.1 Waste sent off-site for recovery or disposal shall be transported only by an authorised waste contractor. The waste shall be transported from the site of the activity to the site of recovery/disposal only in a manner that will not adversely affect the environment and in accordance with the appropriate National and European legislation and protocols.
- 8.3.2 Waste sent off-site for recovery or disposal shall be transferred only to an appropriate facility.
- 8.4 The licensee shall ensure that, in advance of transfer to another person, waste shall be classified, packaged and labelled in accordance with National, European and any other standards which are in force in relation to such labelling.
- 8.5 The loading and unloading of materials shall be carried out in designated areas protected against spillage and leachate run-off.
- 8.6 Waste and materials shall be stored in designated areas, protected as may be appropriate against spillage and leachate run-off. The waste and materials shall be clearly labelled and appropriately segregated.
- 8.7 Waste for disposal/recovery off-site shall be analysed in accordance with *Schedule C: Control & Monitoring*, of this licence.
- 8.8 The loading and unloading of materials shall be carried out in designated areas protected against spillage and leachate run-off.
- 8.9 The licensee shall neither import waste into the State nor export waste out of the State except in accordance with the relevant provisions of Regulation (EC) No 1013/2006 of the European Parliament and of the Council of 14th June 2006 on shipments of waste and associated national regulations.
- 8.10 Waste Acceptance and Characterisation Procedures
- 8.10.1 The licensee shall maintain and implement detailed written procedures and criteria for:
- (i) basic characterisation, compliance testing, acceptance, on-site verification and handling of all wastes arriving at the installation;
  - (ii) rejection of unacceptable incoming waste; and,
  - (iii) ensuring adequate storage capacity exists in advance of waste acceptance.
- 8.10.2 The licensee shall maintain a list of the List of Waste codes that are authorised for acceptance at the installation. New List of Waste codes may be added to the list, if agreed by the Agency.
- 8.10.3 Waste arriving at the installation shall be inspected and have its documentation checked at the point of entry to the installation and subject to this verification, weighed, documented and directed to an appropriate area within the installation. Each load of waste arriving at the installation shall be inspected prior to and during unloading. Only after such inspections shall the waste be processed for disposal or recovery.
- 8.10.4 Any waste deemed unsuitable for processing at the installation and/or in contravention of this licence shall be immediately separated and removed from the installation at the earliest possible time. Temporary storage of such wastes shall be in a designated Waste Quarantine Area. Waste shall be stored under appropriate conditions in the quarantine



area to avoid putrefaction, odour generation, the attraction of vermin and any other nuisance or objectionable condition.

8.10.5 A record of all inspections of incoming waste loads shall be maintained.

8.10.6 Each container of waste accepted at the installation shall, as part of the waste tracking system, be labelled with, at least, a unique identifier, its date of arrival and List of Waste code.

**8.11 Waste and Materials Storage Plan**

8.11.1 The licensee shall, within three months of the date of grant of this licence, develop and thereafter maintain and implement a Waste and Materials Storage Plan for all waste, other feedstocks and other materials and waste water stored and held at the installation.

8.11.2 The Waste and Materials Storage Plan shall be adequate to ensure compliance with all Conditions of this licence.

8.11.3 The Waste and Materials Storage Plan shall be to the satisfaction of the Agency at all times.

8.11.4 The Waste and Materials Storage Plan shall incorporate:

- (i) the recommendations of the Fire Risk Assessment required by Condition 9.5 of this licence;
- (ii) a limit on the total quantity of waste to be stored at the installation at any one time;
- (iii) maximum stockpile sizes in designated storage areas or vessels including maximum volume, height, length, width and area, and minimum separation distances;
- (iv) a limit on the maximum storage or holding period for each type of waste in designated storage areas or vessels;
- (v) limitations, as may be necessary, on waste storage arrangements to be used to prevent odours arising;
- (vi) a drawing or plan of the location of each waste type and the means of storage for each waste type (e.g. as loose waste, baled, in sealed containers);
- (vii) details of the drainage system super-imposed on the above drawing or plan; and
- (viii) a designated fire quarantine area.

8.11.5 Waste storage and holding practices at the installation shall comply at all times with the Waste and Materials Storage Plan.

8.11.6 Waste accepted or generated at the installation shall be stored or held only in designated areas or vessels that have been identified in the Waste and Materials Storage Plan.

8.11.7 All designated areas or vessels for storage or holding of waste and waste water shall be:

- clearly labelled;
- appropriately segregated; and
- visibly or physically delineated by walls, dividers, painted lines or marks on the ground or other methods acceptable to the Agency.

8.11.8 The Emergency Response Procedure as required under Condition 9 of this licence shall include an up-to-date copy of the Waste and Materials Storage Plan.

8.11.9 The Waste and Material Storage Plan shall include in its scope any material that was waste but has achieved end-of-waste status.

**Reason:** *To provide for the appropriate handling of material and the protection of the environment.*

## **Condition 9. Accident Prevention and Emergency Response**

- 9.1 The licensee shall, in advance of the commencement of the activity, ensure that a documented Accident Prevention Procedure is in place that addresses the hazards on-site, particularly in relation to the prevention of accidents with a possible impact on the environment. This procedure shall be reviewed annually and updated as necessary.
- 9.2 The licensee shall, in advance of the date of commencement of the activity, ensure that a documented Emergency Response Procedure is in place, that addresses any emergency situation which may originate on-site. This procedure shall include provision for minimising the effects of any emergency on the environment. This procedure shall be reviewed annually and updated as necessary.
- 9.3 Incidents
- 9.3.1 In the event of an incident the licensee shall immediately:
- (i) carry out an investigation to identify the nature, source and cause of the incident and any emission arising therefrom;
  - (ii) isolate the source of any such emission;
  - (iii) evaluate the environmental pollution, if any, caused by the incident;
  - (iv) identify and execute measures to minimise the emissions/malfunction and the effects thereof;
  - (v) identify the date, time and place of the incident;
  - (vi) notify the Agency as required by Condition 11.4 of this licence.
- 9.3.2 Where an incident or accident that significantly affects the environment occurs, the licensee shall, without delay take measures to limit the environmental consequences of the incident or accident and to prevent further incident or accident.
- 9.3.3 The licensee shall provide a proposal to the Agency for its agreement within one month of the incident occurring or as otherwise agreed by the Agency, to:
- (i) identify and put in place measures to avoid recurrence of the incident; and,
  - (ii) identify and put in place any other appropriate remedial actions.
- 9.4 Emergencies
- 9.4.1 In the event of a breakdown of equipment or any other occurrence which results in the closure of the installation for more than 48 hours, any waste arriving at the installation shall be transferred directly to an alternative appropriate facility until such time as the installation is returned to a fully operational status. The breakdown of equipment or any other occurrence which results in the closure of the installation, regardless of duration, shall be treated as an emergency and rectified as soon as possible.
- 9.4.2 All significant spillages occurring at the installation shall be treated as an emergency and immediately cleaned up and dealt with so as to alleviate their effects.
- 9.4.3 No waste shall be burnt within the boundaries of the installation. A fire at the installation shall be treated as an emergency and immediate action shall be taken to extinguish it and notify the appropriate authorities.
- 9.5 The licensee shall arrange, prior to commencement of the activity and every three years thereafter or as directed by the Agency, for the completion, by an independent and appropriately qualified consultant, of a fire risk assessment for the installation. The assessment shall examine all relevant factors on site that impinge on fire risk and prevention. The assessment shall have regard to any guidelines issued by the Agency with regard to fire risk assessment. A report on the fire risk assessment shall be prepared and notified to the Agency as part of the first AER, in accordance with

Condition 11.11 of this licence. Any recommendations in the fire risk assessment shall be implemented by the licensee.

**Reason:** *To provide for the protection of the environment.*

## **Condition 10. Closure, Restoration and Aftercare Management**

- 10.1 Following termination, or planned cessation for a period greater than six months, of use or involvement of all or part of the site in the licensed activity, the licensee shall, to the satisfaction of the Agency, decommission, render safe or remove for disposal/recovery any soil, subsoil, buildings, plant or equipment, or any waste, materials or substances or other matter contained therein or thereon, that may result in environmental pollution. A final validation report to include a certificate of completion to demonstrate there is no continuing risk to the environment shall be submitted to the Agency within three months of termination or planned cessation of the activity.
- 10.2 Closure, Restoration and Aftercare Management Plan (CRAMP)
- 10.2.1 The licensee shall submit a CRAMP for agreement by the Agency prior to commencement of the activity. The licensee shall maintain a fully detailed and costed plan for the closure, restoration and long-term aftercare of the site or part thereof.
- 10.2.2 The plan shall be reviewed annually, and proposed amendments thereto notified to the Agency for agreement as part of the AER. No amendments may be implemented without the agreement of the Agency.
- 10.2.3 The licensee shall have regard to the Environmental Protection Agency's *Guidance on Assessing and Costing Environmental Liabilities* (2014) and, as appropriate, *Guidance on Financial Provision* (2015), when implementing Condition 10.2.1 above.
- 10.3 The Closure, Restoration and Aftercare Management Plan (CRAMP) shall include, as a minimum, the following:
- (i) a scope statement for the plan;
  - (ii) the criteria that define the successful closure and restoration and aftercare of the activity or part thereof, which ensures minimum impact on the environment;
  - (iii) a programme to achieve the stated criteria;
  - (iv) where relevant, a test programme to demonstrate the successful implementation of the plan;
  - (v) details of the long term supervision, monitoring, control, maintenance and reporting requirements for the restored facility; and
  - (vi) details of the costings for the plan and the financial provisions to underwrite those costs.

**Reason:** *To make provision for the proper closure of the activity ensuring protection of the environment.*

## Condition 11. Notification, Records and Reports

- 11.1 The licensee shall submit the reports, proposals and submissions required by this licence by the deadlines specified. The licensee shall not be in compliance with the requirements of this condition unless and until it has submitted every report, proposal and submission, the deadline for which has passed.
- 11.2 The licensee shall carry out every action required by the Agency, and arising out of such reports, proposals or submission, by such deadline as the Agency may specify. The licensee shall not be in compliance with the requirements of this condition unless and until it has carried out every such action.
- 11.3 The licensee shall notify the Agency, in a format as may be specified by the Agency, one month in advance of the intended date of commencement of the scheduled activity.
- 11.4 The licensee shall notify the Agency by both telephone and either email or webform, to the Agency's headquarters in Wexford, or to such other Agency office as may be specified by the Agency, as soon as practicable after the occurrence of any of the following:
- (i) an incident or accident as defined by the glossary;
  - (ii) any release of environmental significance to atmosphere from any potential emissions point including bypasses;
  - (iii) any breach of one or more of the conditions attached to this licence;
  - (iv) any malfunction or breakdown of key environmental abatement, control or monitoring equipment; and
  - (v) any incident or accident as defined in the glossary requiring an emergency response by the Local Authority.
- The licensee shall include as part of the notification, date and time of the incident, summary details of the occurrence, and where available, the steps taken to minimise any emissions. All details required to be communicated must be in accordance with any Guidance provided by the Agency.
- 11.5 In the event of any incident which relates to discharges to sewer having taken place, the licensee shall notify Irish Water and the Local Authority in a manner prescribed by Irish Water, as soon as practicable after such an incident.
- 11.6 The following shall be notified, as soon as practicable after the occurrence of any incident which relates to a discharge to water:
- Inland Fisheries Ireland in the case of discharges to receiving waters.
- 11.7 The licensee shall make a record of any notification made under Condition 11.4. This record shall include details of the nature, extent, and impact of, and circumstances giving rise to, the incident or accident. The record shall include all corrective actions taken to manage the incident or accident, minimise wastes generated and the effect on the environment, and avoid recurrence. In the case of a breach of a condition, the record shall include measures to restore compliance.
- 11.8 The licensee shall record all complaints of an environmental nature related to the operation of the activity. Each such record shall give details of the date and time of the complaint, the name of the complainant (if provided), and give details of the nature of the complaint. A record shall also be kept of the response made in the case of each complaint.
- 11.9 The licensee shall record all sampling, analyses, measurements, examinations, calibrations and maintenance carried out in accordance with the requirements of this licence and all other such monitoring which relates to the environmental performance of the installation.
- 11.10 The licensee shall as a minimum ensure that the following documents are accessible at the site:
- (i) the licences relating to the installation;

- (ii) the current EMS for the installation including all associated procedures, reports, records and other documents;
  - (iii) the previous year's AER for the installation;
  - (iv) records of all sampling, analyses, measurements, examinations, calibrations and maintenance carried out in accordance with the requirements of this licence and all other such monitoring which relates to the environmental performance of the installation;
  - (v) relevant correspondence with the Agency;
  - (vi) up-to-date site drawings/plans showing the location of key process and environmental infrastructure, including monitoring locations and emission points;
  - (vii) up-to-date Standard Operational Procedures for all processes, plant and equipment necessary to give effect to this licence or otherwise to ensure that standard operation of such processes, plant or equipment does not result in unauthorised emissions to the environment; and
  - (viii) any elements of the licence application or EIA documentation referenced in this licence.
- This documentation shall be available to the Agency for inspection at all reasonable times.
- 11.11 The licensee shall submit to the Agency, by the 31<sup>st</sup> March of each year, an AER covering the previous calendar year. This report, which shall be to the satisfaction of the Agency, shall include as a minimum the information specified in *Schedule E: Annual Environmental Report*, of this licence and shall be prepared in accordance with any relevant guidelines issued by the Agency.
- 11.12 A full record, which shall be open to inspection by authorised persons of the Agency at all times, shall be kept by the licensee on matters relating to the waste management operations and practices at this site. This record shall as a minimum contain details of the following:
- (i) the tonnages and LoW Code for the waste materials imported and/or sent off-site for disposal/recovery;
  - (ii) the names of the agent and carrier of the waste, and their waste collection permit details, if required (to include issuing authority and vehicle registration number);
  - (iii) details of the ultimate disposal/recovery destination facility for the waste and its appropriateness to accept the consigned waste stream, to include its permit/licence details and issuing authority, if required;
  - (iv) written confirmation of the acceptance and disposal/recovery of any hazardous waste consignments sent off-site;
  - (v) details of all waste consigned abroad for Recovery and classified as 'Green' in accordance with the EU Shipment of Waste Regulations (Council Regulation EEC No. 1013/2006, as may be amended). The rationale for the classification must form part of the record;
  - (vi) details of any rejected consignments;
  - (vii) details of any approved waste mixing;
  - (viii) the results of any waste analyses required under *Schedule C: Control & Monitoring*, of this licence; and
  - (ix) the tonnage and LoW Code for the waste materials recovered/disposed on-site.
- 11.13 The licensee shall electronically submit reports as required by the conditions of this licence to the Agency.
- 11.14 All reports shall be certified accurate and representative by the installation manager or a nominated, suitably qualified and experienced deputy.

**Reason:** To provide for the collection and reporting of adequate information on the activity.

## Condition 12. Financial Charges and Provisions

### 12.1 Agency Charges

- 12.1.1 The licensee shall pay to the Agency an annual contribution of €22,236, or such sum as the Agency from time to time determines, having regard to variations in the extent of reporting, auditing, inspection, sampling and analysis or other functions carried out by the Agency, towards the cost of monitoring the activity as the Agency considers necessary for the performance of its functions under the Environmental Protection Agency Act 1992 as amended. The first payment shall be a pro-rata amount for the period from the date of commencement of enforcement to the 31<sup>st</sup> day of December and shall be paid to the Agency within one month from the date of grant of the licence. In subsequent years the licensee shall pay to the Agency such revised annual contribution as the Agency shall from time to time consider necessary to enable performance by the Agency of its relevant functions under the Environmental Protection Agency Act 1992 as amended, and all such payments shall be made within one month of the date upon which demanded by the Agency.
- 12.1.2 In the event that the frequency or extent of monitoring or other functions carried out by the Agency needs to be increased, the licensee shall contribute such sums as determined by the Agency to defray its costs in regard to items not covered by the said annual contribution.

### 12.2 Environmental Liabilities

- 12.2.1 The licensee shall as part of the AER, provide an annual statement as to the measures taken or adopted at the site in relation to the prevention of environmental damage, and the financial provisions in place, as appropriate in relation to the underwriting of costs for remedial actions following anticipated events (including closure) or accidents/incidents, as may be associated with the carrying on of the activity.
- 12.2.2 The licensee shall arrange for the preparation, by an independent and appropriately qualified consultant, of a comprehensive and fully costed revised Environmental Liabilities Risk Assessment (ELRA) which addresses the liabilities from proposed activities. The assessment shall include those liabilities and costs identified in Condition 10 for execution of the CRAMP. A report on this assessment shall be submitted for approval and agreement by the Agency in advance of the commencement of the activity. The ELRA shall be reviewed as necessary to reflect any significant change on site, and in any case every three years following initial agreement. Review results are to be notified as part of the AER.
- 12.2.3 The licensee shall, prior to commencement of the activity and to the satisfaction of the Agency, make financial provision to cover any liabilities associated with the operation (including closure, restoration and aftercare). The amount of financial provision held shall be reviewed and revised as necessary, but at least annually. Proof of renewal or revision of such financial indemnity shall be included in the annual 'Statement of Measures' report identified in Condition 12.2.1.
- 12.2.4 The licensee shall revise the cost of closure, restoration and aftercare annually and any adjustments shall be reflected in the financial provision made under Condition 12.2.3.
- 12.2.5 The licensee shall have regard to the Environmental Protection Agency's *Guidance on Assessing and Costing Environmental Liabilities* (2014) and *Guidance on Financial Provision* (2015) and the baseline report when implementing Conditions 12.2.2, 12.2.3 and 12.2.4 above.

**Reason:** *To provide for adequate financing for monitoring and financial provisions for measures to protect the environment.*

**SCHEDULE A: Limitations****A.1 Processes**

The following waste related processes are authorised:

- Shredding, bailing, repackaging processes;
- Storage of waste;
- Recovery of solvents by distillation;
- Blending or mixing of waste prior to further recovery activities;
- Recycling or reclamation of metals and metal compounds; and
- Recycling and reclamation of plastic drums.

No additions to these processes are permitted unless agreed in advance by the Agency.

**A.2 Waste Acceptance**

**Table A.2.1 Waste Categories and Quantities**

| Waste Type    | Maximum to be accepted<br>(Tonnes/Annum) |
|---------------|------------------------------------------|
| Hazardous     | 16,000                                   |
| Non-hazardous | 4,000                                    |

***Table A.2.2 List of Waste codes authorised for waste acceptance***

*(Note \* denotes hazardous waste)*





|           |           |           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 01 05 05* | 07 02 17  | 08 01 21* | 12 03 01* | 16 01 18  | 17 04 05  | 19 10 06  |
| 02 01 08* | 07 02 99  | 08 01 99  | 12 03 02* | 16 01 19  | 17 04 06  | 19 11 01* |
| 02 03 03  | 07 03 01* | 08 02 01  | 13 01 01* | 16 01 20  | 17 04 07  | 19 11 02* |
| 02 07 01  | 07 03 03* | 08 02 02  | 13 01 04* | 16 01 21* | 17 04 09* | 19 11 03* |
| 02 07 02  | 07 03 04* | 08 02 03  | 13 01 05* | 16 01 22  | 17 04 10* | 19 11 04* |
| 02 07 03  | 07 03 07* | 08 02 99  | 13 01 09* | 16 01 99  | 17 04 11  | 19 11 05* |
| 02 07 04  | 07 03 08* | 08 03 07  | 13 01 10* | 16 02 09* | 17 05 03* | 19 11 07* |
| 02 07 99  | 07 03 09* | 08 03 08  | 13 01 11* | 16 02 10* | 17 05 04  | 19 11 99  |
| 03 02 01* | 07 03 10* | 08 03 12* | 13 01 12* | 16 02 11* | 17 05 05* | 19 12 01  |
| 03 02 02* | 07 03 11* | 08 03 13  | 13 01 13* | 16 02 12* | 17 05 06  | 19 12 02  |
| 03 02 03* | 07 03 12  | 08 03 14* | 13 02 04* | 16 02 13* | 17 05 07* | 19 12 03  |
| 03 02 04* | 07 04 01* | 08 03 15  | 13 02 05* | 16 02 14  | 17 05 08  | 19 12 04  |
| 03 02 05* | 07 04 03* | 08 03 16* | 13 02 06* | 16 02 15* | 17 06 01* | 19 12 05  |
| 03 02 99  | 07 04 04* | 08 03 17* | 13 02 07* | 16 02 16  | 17 06 03* | 19 12 06* |
| 04 02 09  | 07 04 07* | 08 03 18  | 13 02 08* | 16 03 03* | 17 06 04  | 19 12 07  |
| 04 02 10  | 07 04 08* | 08 03 19* | 13 03 01* | 16 03 04  | 17 06 05* | 19 12 08  |
| 04 02 14* | 07 04 09* | 08 03 99  | 13 03 06* | 16 03 05* | 17 08 01* | 19 12 09  |
| 04 02 16* | 07 04 10* | 08 04 09* | 13 03 07* | 16 03 06  | 17 08 02  | 19 12 10  |
| 04 02 17  | 07 04 11* | 08 04 10  | 13 03 08* | 16 05 04* | 17 09 01* | 19 12 11* |
| 04 02 21  | 07 04 12  | 08 04 11* | 13 03 09* | 16 05 05  | 17 09 02* | 19 12 12  |
| 04 02 22  | 07 04 13* | 08 04 12  | 13 03 10* | 16 05 06* | 17 09 03* | 19 13 01* |
| 04 02 99  | 07 04 99  | 08 04 13* | 13 04 01* | 16 05 07* | 17 09 04  | 19 13 02  |
| 06 01 01* | 07 05 01* | 08 04 14  | 13 04 02* | 16 05 08* | 18 01 01  | 19 13 03* |
| 06 01 02* | 07 05 03* | 08 04 15* | 13 04 03* | 16 05 09  | 18 01 04  | 19 13 04  |
| 06 01 03* | 07 05 04* | 08 04 16  | 13 05 01* | 16 06 01* | 18 01 06* | 19 13 05* |
| 06 01 04* | 07 05 07* | 08 04 17* | 13 05 02* | 16 06 02* | 18 01 07  | 19 13 06  |
| 06 01 05* | 07 05 08* | 08 04 99  | 13 05 03* | 16 06 03* | 18 01 08* | 19 13 07* |
| 06 01 06* | 07 05 09* | 08 05 01* | 13 05 06* | 16 06 04  | 18 01 09  | 19 13 08  |
| 06 01 99  | 07 05 10* | 09 01 01* | 13 05 07* | 16 06 05  | 18 01 10* | 20 01 01  |
| 06 02 01* | 07 05 11* | 09 01 02* | 13 05 08* | 16 06 06* | 18 02 01  | 20 01 02  |
| 06 02 03* | 07 05 12  | 09 01 03* | 13 07 01* | 16 07 08* | 18 02 03  | 20 01 10  |
| 06 02 04* | 07 05 13* | 09 01 04* | 13 07 02* | 16 07 09* | 18 02 05* | 20 01 11  |
| 06 02 05* | 07 05 14  | 09 01 05* | 13 07 03* | 16 07 99  | 18 02 06  | 20 01 13* |
| 06 04 03* | 07 05 99  | 09 01 06* | 13 08 01* | 16 08 01  | 18 02 08  | 20 01 14* |

|           |           |           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 06 04 04* | 07 06 01* | 09 01 07  | 13 08 02* | 16 08 02* | 19 01 10* | 20 01 15* |
| 06 04 05* | 07 06 03* | 09 01 08  | 13 08 99* | 16 08 03  | 19 02 04* | 20 01 17* |
| 06 04 99  | 07 06 04* | 09 01 10  | 14 06 01* | 16 08 04  | 19 02 05* | 20 01 19* |
| 06 05 02* | 07 06 07* | 09 01 11* | 14 06 02* | 16 08 05* | 19 02 08* | 20 01 21* |
| 06 08 02* | 07 06 08* | 09 01 12  | 14 06 03* | 16 08 06* | 19 02 09* | 20 01 23* |
| 06 13 02* | 07 06 09* | 09 01 13* | 14 06 04* | 16 08 07* | 19 02 10  | 20 01 25  |
| 07 01 01* | 07 06 10* | 09 01 99  | 14 06 05* | 16 09 01* | 19 02 11* | 20 01 26* |
| 07 01 03* | 07 06 11* | 11 01 05* | 15 01 01  | 16 09 02* | 19 02 99  | 20 01 27* |
| 07 01 04* | 07 06 12  | 11 01 06* | 15 01 02  | 16 09 03* | 19 03 04* | 20 01 28  |
| 07 01 07* | 07 06 99  | 11 01 07* | 15 01 03  | 16 09 04* | 19 03 05  | 20 01 29* |
| 07 01 08* | 07 07 01* | 11 01 11* | 15 01 04  | 16 10 01* | 19 03 06* | 20 01 30  |
| 07 01 09* | 07 07 03* | 11 01 12  | 15 01 05  | 16 10 02  | 19 03 07  | 20 01 31* |
| 07 01 10* | 07 07 04* | 11 01 13* | 15 01 06  | 16 10 03* | 19 08 09  | 20 01 32  |
| 07 01 11* | 07 07 07* | 11 01 14  | 15 01 07  | 16 10 04  | 19 08 10* | 20 01 33* |
| 07 01 12  | 07 07 08* | 12 01 01  | 15 01 09  | 16 11 01* | 19 08 11* | 20 01 34  |
| 07 01 99  | 07 07 09* | 12 01 02  | 15 01 10* | 16 11 02  | 19 08 12  | 20 01 35* |
| 07 02 01* | 07 07 10* | 12 01 03  | 15 01 11* | 16 11 03* | 19 08 13* | 20 01 36  |
| 07 02 03* | 07 07 11* | 12 01 04  | 15 02 02* | 16 11 04  | 19 08 14  | 20 01 37* |
| 07 02 04* | 07 07 12  | 12 01 05  | 15 02 03  | 16 11 05* | 19 08 99  | 20 01 38  |
| 07 02 07* | 08 01 11* | 12 01 06* | 16 01 07* | 16 11 06  | 19 09 01  | 20 01 39  |
| 07 02 08* | 08 01 12  | 12 01 07* | 16 01 08* | 17 01 06* | 19 09 02  | 20 01 40  |
| 07 02 09* | 08 01 13* | 12 01 08* | 16 01 09* | 17 02 01  | 19 09 03  | 20 02 02  |
| 07 02 10* | 08 01 14  | 12 01 09* | 16 01 11* | 17 02 02  | 19 09 04  |           |
| 07 02 11* | 08 01 15* | 12 01 10* | 16 01 12  | 17 02 03  | 19 09 05  |           |
| 07 02 12  | 08 01 16  | 12 01 12* | 16 01 13* | 17 02 04* | 19 09 06  |           |
| 07 02 13  | 08 01 17* | 12 01 16* | 16 01 14* | 17 04 01  | 19 09 99  |           |
| 07 02 14* | 08 01 18  | 12 01 17  | 16 01 15  | 17 04 02  | 19 10 01  |           |
| 07 02 15  | 08 01 19* | 12 01 18* | 16 01 16  | 17 04 03  | 19 10 02  |           |
| 07 02 16* | 08 01 20  | 12 01 19* | 16 01 17  | 17 04 04  | 19 10 05* |           |

**SCHEDULE B: Emission Limits****B.1 Emissions to Air**

**Emission Point Reference No:** A2-1  
**Location:** E242296 N251614  
**Volume to be emitted:** Maximum rate per hour: 44,000m<sup>3</sup>/hr  
**Minimum discharge height:** 9 m above ground

| Parameter                     | Emission Limit Value  |
|-------------------------------|-----------------------|
| Total Volatile Organic Carbon | 30 mg/Nm <sup>3</sup> |



**Emission Point Reference No:** A2-2  
**Location:** E242313 N251623  
**Volume to be emitted:** Maximum rate per hour: 5,000 m<sup>3</sup>/hr  
**Minimum discharge height:** 9 m above ground

| Parameter                     | Emission Limit Value  |
|-------------------------------|-----------------------|
| Total Volatile Organic Carbon | 30 mg/Nm <sup>3</sup> |



**Emission Point Reference No:** A2-3  
**Location:** E242288 N251565  
**Volume to be emitted:** Maximum rate per hour: 44,000 m<sup>3</sup>/hr  
**Minimum discharge height:** 9 m above ground

| Parameter                     | Emission Limit Value  |
|-------------------------------|-----------------------|
| Total Volatile Organic Carbon | 30 mgN/m <sup>3</sup> |



**Emission Point Reference No:** A2-4  
**Location:** E242328 N251586  
**Volume to be emitted:** Maximum rate per hour: 5,000 m<sup>3</sup>/hr  
**Minimum discharge height:** 9 m above ground

| Parameter                     | Emission Limit Value  |
|-------------------------------|-----------------------|
| Total Volatile Organic Carbon | 30 mg/Nm <sup>3</sup> |



**Emission Point Reference No:** A2-5  
**Location:** E242298 N251542  
**Volume to be emitted:** Maximum rate per hour: 44,000 m<sup>3</sup>/hr  
**Minimum discharge height:** 9 m above ground

| Parameter                     | Emission Limit Value  |
|-------------------------------|-----------------------|
| Total Volatile Organic Carbon | 30 mg/Nm <sup>3</sup> |

**Emission Point Reference No:** A2-6  
**Location:** E242339 N251562  
**Volume to be emitted:** Maximum rate per hour: 5,000 m<sup>3</sup>/hr  
**Minimum discharge height:** 9 m above ground

| Parameter                     | Emission Limit Value |
|-------------------------------|----------------------|
| Total Volatile Organic Carbon | 30mg/Nm <sup>3</sup> |

## B.2 Emissions to Water

There shall be no emissions to water of environmental significance.

## B.3 Noise Emissions

| Daytime dB L <sub>Af,T</sub><br>(30 minutes) | Evening time dB L <sub>Af,T</sub><br>(30 minutes) | Night-time dB L <sub>Aeq,T</sub><br>(30 minutes) <sup>Note 1</sup> |
|----------------------------------------------|---------------------------------------------------|--------------------------------------------------------------------|
| 55                                           | 50                                                | 45                                                                 |

**Note 1:** During night time hours, there shall be no clearly audible tonal component or impulsive component in the noise emission from the activity at any noise-sensitive location.

## SCHEDULE C: Control & Monitoring

### C.1.1. Control of Emissions to Air

**Emission Point Reference No:**

A2-1, A2-3, A2-5

**Description of Treatment:**

To be agreed by the Agency prior to commencement of activities

| Control Parameter | Monitoring | Key Equipment <sup>Note 1</sup> |
|-------------------|------------|---------------------------------|
| Volumetric flow   | Monthly    | Flow meter                      |
| Odour Emissions   | Quarterly  | Olfactometric assessment        |

**Note 1:** The licensee shall maintain appropriate access to standby and/or spares to ensure the operation of the abatement system.



**Emission Point Reference No:**

A2-2, A2-4, A2-6

**Description of Treatment:**

Chilled Glycol Columns

Carbon Filtration, subject to Condition 6.18

| Control Parameter      | Monitoring | Key Equipment <sup>Note 1</sup> |
|------------------------|------------|---------------------------------|
| Chilled Glycol Columns |            |                                 |
| Temperature            | Continuous | Thermometer                     |
| Carbon Filtration      |            |                                 |
| Volumetric flow        | Monthly    | Flow metre                      |
| Odour Emissions        | Quarterly  | Olfactometric assessment        |

**Note 1:** The licensee shall maintain appropriate access to standby and/or spares to ensure the operation of the abatement system.



### C.1.2. Monitoring of Emissions to Air

**Emission Point Reference No:**

A2-1, A2-2, A2-3, A2-4, A2-5, A2-6

| Parameter                     | Monitoring Frequency | Analysis Method/Technique |
|-------------------------------|----------------------|---------------------------|
| Total Volatile Organic Carbon | Once every 6 months  | Standard Method           |



**C.2.1. Control of Emissions to Water**

There shall be no emissions to water of environmental significance.

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**C.2.2. Monitoring of Emissions to Water**

There shall be no emissions to water of environmental significance.

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**C.2.3. Monitoring of Storm Water Emissions**

Emission Point Reference No: SW1 E242263 N251511

| Parameter         | Monitoring Frequency | Analysis Method/Technique                |
|-------------------|----------------------|------------------------------------------|
| pH                | Weekly               | Standard method                          |
| Temperature       | Weekly               | Standard method                          |
| COD               | Weekly               | Standard method                          |
| Visual Inspection | Daily                | Sample and examine for colour and odour. |

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**C.4 Waste Monitoring**

| Waste Class                                  | Frequency                  | Parameter                  | Method                     |
|----------------------------------------------|----------------------------|----------------------------|----------------------------|
| To be agreed by the Agency <sup>Note 1</sup> | To be agreed by the Agency | To be agreed by the Agency | To be agreed by the Agency |

Note 1: Analytical requirements to be determined on a case by case basis.

**C.5 Noise Monitoring**

| Period                       | Minimum Survey Duration                                                             |
|------------------------------|-------------------------------------------------------------------------------------|
| Daytime                      | A minimum of 3 sampling periods at each noise monitoring location <sup>Note 2</sup> |
| Evening-time                 | A minimum of 1 sampling period at each noise monitoring location.                   |
| Night-time <sup>Note 1</sup> | A minimum of 2 sampling periods at each noise monitoring location.                  |

Note 1: Night-time measurements should be made between 2300hrs and 0400hrs, Sunday to Thursday, with 2300hrs being the preferred start time.

Note 2: Sampling period is to be the time period T stated as per *Schedule B.4 Noise Emissions*, of this licence. This applies to day, evening and night time periods.

**C.6 Ambient Groundwater Monitoring**

Location:

GW-1 E 242226 N 251586  
 GW-2 E 242381 N 251588  
 GW-3 E 242334 N 251522  
 GW-4 E 242296 N 251485

| Parameter                                      | Monitoring Frequency | Analysis Method/Techniques |
|------------------------------------------------|----------------------|----------------------------|
| pH                                             | Biannually           | pH electrode/meter         |
| COD                                            | Biannually           | Standard Method            |
| Conductivity                                   | Biannually           | Standard Method            |
| Relevant Hazardous Substances <sup>Note1</sup> | Biannually           | Standard Method            |

Note 1: Groundwater monitoring for relevant hazardous substances shall be in accordance with Condition 6.17.

**C.7 Monitoring of Diffuse Emissions of Organic Compounds**

| Parameter         | Monitoring Frequency | Analysis Method/Techniques                                                          |
|-------------------|----------------------|-------------------------------------------------------------------------------------|
| Organic Compounds | Annually             | Measurement, Emissions factors or Mass Balance or a combination of these techniques |

**SCHEDULE D: Specified Engineering Works**

| Specified Engineering Works                  |
|----------------------------------------------|
| Any works notified in writing by the Agency. |



**SCHEDULE E: Annual Environmental Report**

| <b>Annual Environmental Report Content</b> <small>Note 1</small>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Emissions from the installation.<br>Waste management record.<br>Resource consumption summary.<br>Complaints summary.<br>Schedule of Environmental Objectives and Targets.<br>Environmental management programme – report for previous year.<br>Environmental management programme – proposal for current year.<br>Noise monitoring report summary.<br>Ambient monitoring summary.<br>Tank and pipeline assessment report.<br>Reported incidents summary.<br>Energy efficiency audit report summary.<br>Report on the assessment of the efficiency of use of raw materials in processes and the reduction in waste generated.<br>Report on progress made and proposals being developed to minimise water demand and the volume of trade effluent discharges.<br>Development/Infrastructural works summary (completed in previous year or prepared for current year).<br>Reports on financial provision made under this licence, management and staffing structure of the installation and a programme for public information.<br>Closure, Restoration & Aftercare Management Plan.<br>Statement of measures in relation to prevention of environmental damage and remedial actions (Environmental Liabilities).<br>Environmental Liabilities Risk Assessment Review (every three years or more frequently as dictated by relevant on-site change including financial provisions).<br>Report on the Fire Risk Assessment.<br>Any other items specified by the Agency. |

Note 1: Content may be revised subject to the approval of the Agency.

Sealed by the seal of the Agency on this the 2<sup>nd</sup> day of July 2020.

**PRESENT** when the seal of the Agency  
was affixed hereto:

  
Tara Gillen, Authorised Person

