

# EPA Application Form

## 7.5 - Noise Emissions - Attachment

**Organisation Name: \***

Indaver Ireland Ltd.

**Application I.D.: \***

LA001689

*Authorisation Application Form*

**Amendments to this Application Form Attachment**

<b>Version No.</b>	<b>Date</b>	<b>Amendment since previous version</b>	<b>Reason</b>
V.1.0	December 2018	N/A	Online application form attachment

## Authorisation Application Form

### **Noise Emissions** (see **Note i** at the end of this attachment)

Note: An assessment of the impacts of noise, where applicable, should be uploaded in Tab 7 – ‘Emissions Overview’ of the application form.

Provide detail of measures to reduce noise emissions (list techniques)  
(See **Note ii** at the end of this attachment)

The preliminary noise impact assessment completed as part of the Environmental Impact Assessment Report (EIAR) submitted with the IE Licence application demonstrated that the noise emission limit values (ELVs) can be complied with at all the nearest noise sensitive locations. The following BAT techniques have been or will be considered as part of the detailed design:

- Plant Layout – locating plant to minimise noise impacts and directing noise emissions away from noise sensitive receivers;
- Plant Selection – procurement of quiet plant items (where practical);
- Noise Attenuation – incorporating acoustic attenuators, enclosures, silencers, louvres and barriers where appropriate; and,
- Plant Housing – locating plant within buildings (where practical).

Following the *Guidance Note for Noise: Licence Applications, Surveys and Assessments in Relation to Scheduled Activities (NG4)* (2012 as amended) complete the table below, inputting summary details of noise monitoring points (see **Note iii** at the end of this attachment) and proposed noise limit criteria.

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Monitoring point code <sup>1</sup>	Easting <sup>2</sup>	Northing <sup>3</sup>	Monitoring point type <sup>4</sup>	Proposed Noise Limit Criteria				Proposed monitoring frequency
				Max. noise level daytime dB L <sub>Ar,T</sub> (15 mins)	Max. noise level evening dB L <sub>Ar,T</sub> (15 mins)	Max. noise level night dB L <sub>Eq,T</sub> (15-30 mins)	How was the noise limit derived? <sup>5</sup>	
N1	179249	64269	Noise Sensitive Location	55	50	N/A	Section 4.4. of NG4 (2016)	Annual
N2	178579	64283	Noise Sensitive Location	55	50	45	Section 4.4. of NG4 (2016)	Annual
N3	178359.49	64214.23	Noise Sensitive Location	55	50	45	Section 4.4. of NG4 (2016)	Annual
N4	178389.51	64175.00	Noise Sensitive Location	55	50	45	Section 4.4. of NG4 (2016)	Annual

Please refer to Chapter 10 of the EIAR presented as Attachment 6.3.6 of this IE Licence application for full details in relation to the noise impact assessment. This chapter states, *“Given there may be potential access constraints at some noise sensitive locations and the presence of extraneous noise sources in the vicinity, it is may be necessary to undertake compliance noise monitoring (if required) at the site boundary or at a suitable proxy location and assess to the nearest NSL’s. Any such assessment should be undertaken in accordance with the guidance outlined in the EPA NG4 document and supported by a sufficiently detailed noise report outlining the calculation methods used to determine the noise emission levels at the NSL’s. Simultaneous monitoring may be required initially to set appropriate limit values at alternative locations.”*

**Note:** Map(s)/drawing(s) uploaded under ‘Site Plans’ in Tab 3 of the application form should identify the emission and monitoring points.

- 1 The following convention should be observed when labelling noise monitoring points:  
N1, N2,.....The monitoring locations should be identified on an accompanying site plan drawing(s) uploaded in Tab 3 – ‘Site’ of the application form.
- 2 Six Digit GPS Irish National Grid Reference of Monitoring Point
- 3 Six Digit GPS Irish National Grid Reference of Monitoring Point
- 4 Monitoring point type options: ‘Boundary’, ‘Noise Sensitive Location’ or ‘Permanent Noise Monitoring’
- 5 Derived noise limit options: ‘BAT’, ‘EQS’, or ‘Derogation’

\* indicates required field



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Was an assessment for tonal and impulsive noise carried out? <sup>6</sup> (Yes/No)	<b>No</b>
If 'Yes' was tonal or impulsive noise identified to be present? (Yes/No)	N/A

For emissions outside the EPA Noise Guidance Note limit, see the Agency's *Guidance Note for Noise: Licence Applications, Surveys and Assessments in Relation to Scheduled Activities (NG4)* (2012) (available on [www.epa.ie](http://www.epa.ie)), a full evaluation of the existing abatement/treatment system must be provided. A planned programme of improvement towards meeting upgraded standards is required to be uploaded with this document. This programme should highlight specific goals and a time scale, together with options for modification, upgrading or replacement, as required, to bring the emissions within the limits as set out in the Guidance Note.

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<sup>6</sup> Refer to section 5 of the Agency's *Guidance Note for Noise: Licence Applications, Surveys and Assessments in Relation to Scheduled Activities (NG4)* (2012 as amended).

\* indicates required field

## *Authorisation Application Form*

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- Note i** This part of the application form collects data on noise emissions namely measures used to reduce noise and noise levels at a reference distance under normal operation. As noise emissions can arise from different sources on a site, the EPA usually considers the total emission from the site. Please note that emission limit values and monitoring requirements in any proposed licence shall be based on the information supplied hereunder.
- Note ii** Measures are usually required to reduce, minimise or prevent emissions from occurring. They may involve the application of a single technique or a combination of techniques including housing, insulation and appropriate location of equipment. List all techniques proposed/employed. Technique(s) employed must comply with BAT. Highlight additional measures required for the purposes of protecting the environment. The measures or techniques to be taken must be capable of complying with the proposed/known emission level(s).  
The measures required shall be informed by the following:
1. BAT techniques
  2. Stricter measures/techniques than BAT
  3. BAT determined by competent authority in consultation with the applicant
  4. Other measures
- Note iii** An individual record (i.e. row) is required for each monitoring point. A National Grid Reference (12 digit, 6E, 6N) must be given for each monitoring point. Noise emissions differ from other emissions in that they are generally limited at a reference distance from the source(s). This reference distance should be, where possible, the boundary of the installation but in certain circumstances it is a noise sensitive location outside the boundary of the installation. Noise levels along a boundary will vary due to the location and positioning of noise sources and the 'worst case' should always be selected. Sufficient points should be identified to fully describe the noise levels from the installation. For waste activities, traffic noise emissions should be taken into account especially if it. The Agency's Guidance Note for Noise: Licence Applications, Surveys and Assessments in Relation to Scheduled Activities (NG4) (2012) and Guidance Note on Noise assessment of Wind Turbine Operations at EPA licensed Sites (NG3)(as appropriate) should be consulted when setting proposed sound limits.