

# EPA Application Form

## 7.5 - Noise Emissions - Attachment

Organisation Name: \*

MSK Silversands Ltd

Application I.D.: \*

LA004320

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*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	July 2017	N/A	Online application form attachment
As above	Mar 2018	Identification of required fields	Assist correct completion of attachment

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\* indicates required field

## 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)

Noise from the facility shall be managed in accordance with the British Standard BS 5228 – 1: 2009 & A1:2014: *Code of Practice for Noise and Vibration Control on Construction and Open Sites: Noise*. The following measures shall be applied to reduce noise levels associated the facility:

- The strategic placement of stockpiles between sources and receivers shall reduce noise levels being directed towards sensitive receptors;
- Noise damping to minimise resonant noise associated with plant, equipment, body panels, cover plates etc. shall be used, as requires. Damping techniques consist of the application of a special resonance damping material to plant surfaces to dissipate vibrational energy before it can build up and radiate as sound;
- Noise caused by vibrating plant components shall be reduced by proper balancing, through the use of rubber pads, springs or bellows in mounting plant or equipment. (i.e. vibration isolation) or through the mechanical fixing of plant parts (i.e. tightening of loose components, fixing of resilient support/material between surfaces in contact);
- Noise caused by friction in conveyor rollers shall be reduced through the timely application of lubrication;
- Regular visual inspections and maintenance of plant components shall reduce noise levels associated with loose, defective or damaged plant or equipment; and,
- Works shall be limited to normal site operating hours.

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.

\* indicates required field

### Authorisation Application Form

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> (30 mins)	Max. noise level evening dB L <sub>Ar,T</sub> (30 mins)	Max. noise level night dB L <sub>Eq,T</sub> (15-30 mins)	How was the noise limit derived? <sup>5</sup>	
N1	309039	130586	Noise Sensitive Location'	55	50	45	BAT	monthly
N2	309668	129704	Noise Sensitive Location'	55	50	45	BAT	monthly
N3	309139	129398	Noise Sensitive Location'	55	50	45	BAT	monthly
N4	308469	130125	Noise Sensitive Location'	55	50	45	BAT	monthly

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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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Monitoring point code <sup>1</sup>	Easting <sub>2</sub>	Northing <sub>3</sub>	Monitoring point type <sup>4</sup>	Proposed Noise Limit Criteria				Proposed monitoring frequency
				Max. noise level daytime dB L <sub>Ar,T</sub> (30 mins)	Max. noise level evening dB L <sub>Ar,T</sub> (30 mins)	Max. noise level night dB L <sub>Eq,T</sub> (15-30 mins)	How was the noise limit derived? <sup>5</sup>	

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

\* indicates required field

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

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

- 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.