



Authorisation Application Form

EPA Application Form

7.5 - Noise Emissions - Attachment

Organisation Name: *

Sancom Ltd

Application I.D.: *

LA005485



Authorisation Application Form

Amendments to this Application Form Attachment

Version No.	Date	Amendment since previous version	Reason
V.1.0	July 2017	N/A	Online application form attachment
As above	Mar 2018	Identification of required fields	Assist correct completion of attachment

* indicates required field



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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 primary Mitigation Measures that will be implemented during the operational phase of the proposed development to attenuate noise emissions emanating from plant, equipment and processes on-site are as follows:

- Site operations will be restricted to between 07:00 - 18:00 Monday to Friday and 08:00 - 16:00 Saturday. No activity will take place outside these hours. The facility will operate under an EPA Waste Licence which will prescribe noise limit values to adhere to.
- A 2 metre high screening mound will be developed along the northern, eastern and southern site boundaries in order to attenuate noise emissions emanating from on-site plant and processes. These mounds will attenuate noise being directed from onsite activities toward NSL1 & NSL2 in particular.
- The Soil and Stone Screening Plant will be situated behind a 7 metre high proposed material stockpile. The presence of this stockpile will serve to impede and attenuate noise emanating from the Soil and Stone Screening Plant toward NSL1 and NSL2 in particular.
- The proposed Concrete Crusher will be located behind a 7 metre high proposed material stockpile. The presence of this stockpile will serve to impede and attenuate noise emanating from the Concrete Crushing Plant toward NSL1 & NSL2 in particular. The concrete crushing plant will be further enclosed by cantilever walls to minimize noise emanating from the operation of this plant.

In addition to the above, the following good practice mitigation measures for noise control on-site during the operational phase will be adopted and implemented in order to ensure operational phase noise levels are kept at an acceptable level:

- Chutes and hoppers will be lined with a damping layer (rubber lining) to minimize noise output from plant, where practicable. Manufacturers will be consulted in order to determine whether this is practicable.
- Drop heights will be kept to a minimum to minimize noise arising due to material handling.
- Plant and equipment will be serviced and maintained regularly and in line with manufacturer specification (e.g. lubrication of equipment, fixing loose parts, proper balancing)
- A Silencer will be used on the Macgen 250 kva generator on-site.
- The unnecessary revving of engines and the idling of mobile plant and HGV's will be avoided.
- Backfilling and C&D Processing activities will only take place during the designated day-time operating hours (07:00 - 18:00 Monday to Friday and 08:00 - 16:00 Saturday).
- Plant will be orientated in such a manner that noise is directed away from NSL's, in particular NSL1 and NSL2 which are nearest to the site.

* indicates required field



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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.

Monitoring point code ¹	Easting ²	Northing ³	Monitoring point type ⁴	Proposed Noise Limit Criteria				Proposed monitoring frequency
				Max. noise level daytime dB L _{Ar,T} (30 mins)	Max. noise level evening dB L _{Ar,T} (30 mins)	Max. noise level night dB L _{eq,T} (15-30 mins)	How was the noise limit derived? ⁵	
NSL1	280616	184416	Noise Sensitive Location	55	N/A	N/A	With reference to EPA NG4/Extractive Industry Guidelines	Annual
NSL2	280606	183769	Noise Sensitive Location	55	N/A	N/A	With reference to EPA NG4/Extractive	Annual
NSL3	279777	183568	Noise Sensitive Location	55	N/A	N/A	With reference to EPA NG4/Extractive Industry Guidelines	Annual

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

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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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Was an assessment for tonal and impulsive noise carried out? ⁶ (Yes/No)	No
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), 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.

⁶ 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



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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.