



DOC20/1034750-8
3 March 2021

Industry Assessments
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Department of Planning, Industry and Environment
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Email: Katelyn.symington@planning.nsw.gov.au

Attention: Katelyn Symington

EPA Addendum to Advice on Environmental Impact Statement

Dear Ms Symington

I refer to the NSW Environment Protection Authority (EPA) Advice on the Gunnedah Waste Facility Environmental Impact Statement dated 8 February 2021.

The EPA has been made aware of an oversight in the recommended noise conditions contained within Appendix 1 of our response. The EPA has undertaken an additional review of the EIS Environmental Noise Assessment dated 21 October 2020 and has amended condition L6.1 adding two additional locations in the provided table. All other proposed noise conditions remain unchanged. The amended noise conditions are attached in Appendix 1.

If you have any questions about this request, please contact Daniel Stokes on 4908 6804 or via email at daniel.stokes@epa.nsw.gov.au.

Yours sincerely

A handwritten signature in black ink, appearing to read 'Lindsay Fulloon', written over a horizontal line.

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APPENDIX A: Amended Recommended Noise Conditions for the Gunnedah Waste Facility

Noise Limit Conditions

- L6.1** Noise generated at the premises must not exceed the noise limits at the times and locations in the table below. The locations referred to in the table below are indicated by Figure 3-3 in Gunnedah Waste Facility Environmental Noise Assessment (Vipac ref: 10550047-2, dated 21 October 2020).

Location	Noise Limits in dB(A)	
	Day (no crushing activity)	Day (during crushing activity)
	L _{Aeq} (15 minute)	L _{Aeq} (15 minute)
10193 Kamilaroi Highway, Gunnedah (Lot 638, DP 755503)	41	47
10221 Kamilaroi Highway, Gunnedah (Lot 450, DP 755503)	41	47
211 Mathias Road, Gunnedah (Lot 455, DP 755503)	41	45
207 Mathias Road, Gunnedah (Lot 635, DP 755503)	41	44
10176 Kamilaroi Highway, Gunnedah (Lot 382, DP 755503)	41	44
Any other residence	41	41

- L6.2** For the purposes of condition L6.1:

a) Day means the period from 7am to 6pm Monday to Saturday and the period from 8am to 6pm Sunday and public holidays.

- L6.3** Noise-enhancing meteorological conditions

a) The noise limits set out in condition L6.1 apply under the following meteorological conditions:

Assessment Period	Meteorological Conditions
Day	Stability Categories A, B, C and D with wind speeds up to and including 3m/s at 10m above ground level.

b) For those meteorological conditions not referred to in condition L6.3(a), the noise limits that apply are the noise limits in condition L6.1 plus 5dB.

- L6.4** For the purposes of condition L6.3:

- a) The meteorological conditions are to be determined from meteorological data obtained from the meteorological weather station identified as **Bureau of Meteorology AWS at Gunnedah Airport**
- b) Stability category shall be determined using the following method from Fact Sheet D of the *Noise Policy for Industry* (NSW EPA, 2017):
 - i. Use of sigma-theta data (section D1.4).

- L6.5** To assess compliance:

- a) with the $L_{Aeq(15 \text{ minutes})}$ or the L_{Amax} noise limits in condition L6.1 and L6.3, the noise measurement equipment must be located:
 - (i) approximately on the property boundary, where any residence is situated 30 metres or less from the property boundary closest to premises; or where applicable,
 - (ii) in an area within 30 metres of a residence façade, but not closer than 3 metres where any residence on the property is situated more than 30 metres from the property boundary closest to the premises; or, where applicable,
 - (iii) in an area within 50 metres of the boundary of a National Park or Nature Reserve,
 - (iv) at any other location identified in condition L6.1
- b) with the $L_{Aeq(15 \text{ minutes})}$ or the L_{Amax} noise limits in condition L6.1 and L6.3, the noise measurement equipment must be located:
 - (i) at the reasonably most affected point at a location where there is no residence at the location; or,
 - (ii) at the reasonably most affected point within an area at a location prescribed by condition L6.5 (a).

L6.6 A non-compliance of conditions L6.1 and L6.3 will still occur where noise generated from the premises is measured in excess of the noise limit at a point other than the reasonably most affected point at the locations referred to in condition L6.5 (a) or L6.5 (b).

NOTE to L6.5 and L6.6: The reasonably most affected point is a point at a location or within an area at a location experiencing or expected to experience the highest sound pressure level from the premises.

L6.7 For the purpose of determining the noise generated from the premises, the modifying factor corrections in Table C1 in Fact Sheet C of the *Noise Policy for Industry* (NSW EPA, 2017) may be applied, if appropriate, to the noise measurements by the noise monitoring equipment.

L6.8 Noise measurements must not be undertaken where rain or wind speed at microphone level will affect the acquisition of valid measurements.

L6.9 Truck movements to and from the site be restricted to daytime hours only to minimise the impact on sleep during the night-time period.

L6.10 All construction work at the premises must only be conducted between 7am and 6pm Monday to Friday and 8am and 1pm Saturday. No construction work may be carried out during Sundays and public holidays.

L6.11 Activities at the premises must only be conducted between 7am and 6pm Monday to Saturday. No activity at the premises may be carried out during Sundays and public holidays. Heavy machinery may only be operated between 7am and 5pm Monday to Friday. No heavy machinery may be operated on Saturdays.

L6.12 Crushing activities must only be undertaken:

- (a) between the hours of 7am and 5pm Monday to Friday;
- (b) in continuous blocks of no more than 3 hours, with at least a 1 hour respite between each block of work; and
- (c) up to 1 time per calendar month for a maximum of 2 days in any calendar month, with at least 1 week respite between each occasion.

For the purposes of this condition 'continuous' includes any period during which there is less than a 1 hour respite between ceasing and recommencing any of the work the subject of this condition.

L6.13 Prior to commencing crushing activities, at least 5 days notification must be provided to residents identified in Condition L6.1 of the likely timing and duration of crushing activity.

Noise Management Plans

L6.14 The proponent must prepare and implement an Operational Noise Management Plan (ONMP) that covers all premises based activities and transport operations. The plan must include but need not be limited to:

- a) all measures necessary to satisfy the limits in Table **L6.1** at all times,
- b) a system that allows for periodic assessment of Best Management Practice (BMP) and Best Available Technology Economically Achievable (BATEA) that has the potential to minimise noise levels from the facility,
- c) Effective implementation of identified BMP and BATEA measures, where considered feasible and reasonable,
- d) Measures to monitor noise performance and respond to complaints,
- e) Measures for community consultation including site contact details,
- f) Noise monitoring and reporting procedures.

L6.15 The proponent must prepare and implement a detailed Construction Noise Management Plan (CNMP), prior to commencement of construction activities, that includes but is not necessarily limited to;

- (a) identification of each work area, site compound and access route (both private and public)
- (b) identification of the specific activities that will be carried out and associated noise sources at the premises and access routes,
- (c) identification of all potentially affected sensitive receivers,
- (d) the construction noise and vibration objectives identified in the Environmental Assessment,
- (e) assessment of potential noise and vibration from the proposed construction methods (including noise from construction traffic) against the objectives identified in the Environmental Assessment,
- (f) where the objectives are predicted to be exceeded an analysis of feasible and reasonable noise mitigation measures that can be implemented to reduce construction noise impacts,
- (g) description of management methods and procedures and specific noise mitigation treatments that will be implemented to control noise and vibration during construction, including the early erection of any operational noise control barriers,
- (h) procedures for notifying residents of construction activities that are likely to affect their noise and vibration amenity,
- (i) measures to monitor noise performance and respond to complaints.

Recommended inclusions in the Planning Approval

That a Traffic Noise Management Strategy (TNMS) be developed by the proponent, prior to commencement of construction and operation activities, to ensure that feasible and reasonable noise management strategies for vehicle movements associated with the facility are identified and applied, that include but are not necessarily limited to the following;

- driver training to ensure that noisy practices such as the use of compression engine brakes are not unnecessarily used near sensitive receivers,
- best noise practice in the selection and maintenance of vehicle fleets,
- movement scheduling where practicable to reduce impacts during sensitive times of the day,
- communication and management strategies for non-licensee/proponent owned and operated vehicles to ensure the provision of the TNMS are implemented,
- a system of audited management practices that identifies non conformances, initiates and monitors corrective and preventative action (including disciplinary action for breaches of noise minimisation procedures) and assesses the implementation and improvement of the TNMS,
- specific procedures for drivers to minimise impacts at identified sensitive receivers,
- clauses in conditions of employment, or in contracts, of drivers that require adherence to the noise minimisation procedures and facilitate effective implementation of the disciplinary actions for breaches of the procedures.