



Picton WHSE-007 Picton Noise & Vibration Management Sub-Plan (Appendix A)

Version No:	V01
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1. Purpose

This Noise and Vibration Management Sub-Plan (NVMP) forms part of the Operational Environmental Management Plan (OEMP) for the Allied Pinnacle Australia Pty Ltd (Allied Pinnacle) Grain Milling Facility (the mill) at Maldon, south-west Sydney. **Refer to Picton WHSE-006 Picton Operational Environment Management Plan**

The NVMP has been developed in response to consent condition 5.4 for Development Application DA-318-12-2004-I, as modified by Modification 3 approved on 30 November 2017.

The NVMP identifies measures to minimise and mitigate noise impacts on surrounding land uses from the proposed works.

The level of noise generated during the proposed works program will depend on the location of the receiver, the type and duration of works and intervening topography, and existing building structures between the noise emission source and receiver.

1.1 Noise generating activities

Noise generating activities associated with the operation of the flour and maize mill include:

- Grain to be received on site from a daily train delivery at the rail sidings. Unloading of grain to occur between 7am to 7pm.
- Grain processing activities for grain cleaning, milling and finished product storage to occur within internal mill buildings.
- Finished product to be packed into bags and on pallets for loading onto flat-bed trucks and bulk loading into tankers for removal by truck.
- Road traffic operations shall be on a 400 metre long road linking the site directly to Picton Road. A U turn bay shall reduce requirements for vehicles queuing.
- Approximately 15 vehicle movements, or up to 30 trips to and from the site per day will be required during a 24 hour period of continuous operation.
- Roof mounted ventilation fans on the mill buildings have been identified as the primary source of operational noise and have been subject to noise attenuation measures.

The potential noise impacts associated with the Allied Pinnacle development, including potential mitigation measures and enhancements, have been dealt with specifically in the Picton Flour Mill Environmental Impact Statement, (KBR, December 2004), Volume 1: Flour and Maize Mill Picton Road, Environmental Impact Statement Noise and Vibration Impact Assessment (Heggies, December 2004).

The noise and vibration impact assessment was revised following the provision of further fixed plant acoustic information, detailed in Allied Pinnacle Flour and Maize Mill, Maldon Acoustic Assessment of Fixed Mechanical Plant Items, (Heggies, November 2007).

The noise control measures documented in this management plan include:

- Applying Best Management Practice and Best Available Technology Economically Achievable principles for Mill fixed plant and mobile operations
- Employing best practice techniques to minimise noise emissions to sensitive receivers from Mill operations
- Undertaking operational noise monitoring post commencement of operations and throughout the project lifetime
- Implementing a log for noise comments or complaints
- Implementing a noise risk matrix for staff response to potential noise issues



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1.2 Vibration generating activities

The noise and vibration impact assessment (Heggies, 2004) prepared for the EIS (KBR, 2004), determined Allied Pinnacle Flour Mill operational activities are not anticipated to result in perceived vibration-related impacts at the nearest potentially affected receivers.

1.3 Environmental objectives

The purpose of this sub-plan is to comply with the requirements of the consent conditions and to minimise potential noise impacts on the local community.

The objectives of this sub-plan are to:

- Develop noise management measures for compliance with the adopted operational noise criterion
- Manage potential noise impacts from the Allied Pinnacle Flour Mill operations and associated road and rail transportation movements
- Minimise noise impacts on the local community and surrounding ambient noise environment
- Implement a noise monitoring strategy for post commissioning and ongoing operational noise monitoring

1.4 Requirements of this Plan

Consent condition 5.4(a) requires the NVMP to specifically address the requirements outlined in Table 1. Table 1 also provides a reference to where the requirements have been addressed in this plan.

Table 1 - Requirements of consent condition 5.4(a)

Requirements	Reference to this plan
Procedures to ensure that all reasonable and feasible noise mitigation measures are applied during operation of the development, including those measures listed in condition 2.7 ^(Note 1)	Section 5
A system to undertake periodic assessment of Best Available Technically Economically Achievable and Best Management Practices to minimise noise emissions at all times and to seek to achieve noise reduction in accordance with the goal prescribed in condition 2.7 ^(Note 1)	Section 5.3
Procedures to generate suitable documentation for annual environmental reporting, that demonstrates that the noise limits and noise goals specified under this consent, or best practice noise control operations, are being met	Section 5.4 and 6
Identification of all relevant receivers and the applicable criteria at those receivers commensurate with the noise limits and noise goals specified under this consent	Section 3.2
Identification of activities that will be carried out in relation to the development and the associated noise sources	Section 1.1 and 1.2
Proposed on-going community consultation measures	Section 5.4 of the OEMP Refer to Picton WHSE-006 Picton Operational Environment Management Plan
Development of reactive and pro-active strategies for dealing promptly with any noise complaints	Section 7.1
Noise monitoring and reporting procedures.	Section 5.3

Note: Condition 2.7 relates to landscaping and does not contain any measures related to noise. This NVMP has interpreted this requirement to mean “measures listed in consent conditions 2.3 and 2.4.



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2. Legislative requirements and guidelines

The Protection of the Environment Operations Act, 1997 (POEO Act) regulates noise generation and prohibits the generation of ‘offensive noise’ as defined under the Act.

In addition to the regulatory requirements under the POEO Act, the Environment Protection Authority (EPA) provides guidelines regarding acoustic criteria and noise controls.

Key legislation and guidelines relevant to noise management is provided in Table 2.

Table 2 – Key legislation and guidelines

Legislation/Guideline	Applicability
Protection of the Environment Operations Act, 1997 (POEO Act)	Provides for the control of polluting activities in NSW to prevent pollution of the environment. This relates specifically to noise pollution for this project.
Protection of the Environment Operations (Noise Control) Regulation, 2008	Provides provisions on matters relating to noise emissions, maintenance of control equipment, use of certain articles and inspection and testing procedures.
Environment Protection Authority NSW Industrial Noise Policy (2000)(Note 1	Guidelines for the measurement, analysis and assessment of environmental noise to maintain residential amenity and limit intrusion potential in a balanced and structured manner.
Environment Protection Authority Environmental Noise Control Manual (1994)	Describes noise control policies and procedures within a framework or relevant legislation, acoustic theory and technology. Noise goals for construction works outlined.
Australian Standard AS 1055 Acoustics– Description and Measurement of Environmental Noise (1997)	Outlines provisions for the measurement of environmental noise levels.
Australian Standard AS 2107 Acoustics– Recommended Design Sound Levels and Reverberation Times for Building Interiors (2000)	Recommends internal noise levels for various land uses and habitable rooms.
DoP Section 76A Environmental Planning and Assessment Act 1979, Schedule 1 Application DA- 318-12-2004-i.	Department of Planning Consent Condition for the Grain Milling Facility, Picton Road, Maldon.

Note 1: The Environment Protection Authority NSW Industrial Noise Policy (2000) has been superseded by the Noise Policy for Industry 2017. However, Environment Protection Authority NSW Industrial Noise Policy (2000) is referenced in the consent condition hence is applicable to this site

3. Performance objectives

Allied Pinnacle Flour Mill activity shall be undertaken in accordance with operational noise commitments outlined in Table 4.

3.1 Hours of operation

Condition 2.3 has established specific sensitive receiver criterion for Allied Pinnacle Flour Mill operations during the day time, evening and night time period at the nearest potentially affected sensitive receivers.

The operational period for the purpose of noise assessment has been defined as:

- Day time: 7am – 6pm
- Evening: 6pm – 10pm
- Night time: 10pm – 7am



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3.2 Sensitive receiver locations

The following locations have been established as potential sensitive receivers as per the Noise and Vibration Impact Assessments (Heggies 2004 and 2007).

- Location 1: 390 Picton Road, Maldon
- Location 2: 1365 Menangle Road, Maldon
- Location 3: 1404 Menangle Road, Maldon
- Location 4: 285 Picton Road, Maldon
- Location 5: 300 Picton Road, Maldon
- Location 6: 460 Wilton Park Road, Maldon

It is noted that following a rezoning which occurred in January 2014, Location 1 and Location 5 are now zoned Industrial.

The residence at Location 1 is no longer occupied and therefore is not considered a sensitive receiver however it remains on the sensitive receiver list as it is registered in the Approval.

3.3 Operational noise limits

Operational noise limits as established in Condition 2.3 are detailed in Table 3.

Table 3 - Maximum allowable operational noise contributions

Location	Day		Evening		Night		
	L _{Aeq} , 11hr	L _{Aeq} , 15min	L _{Aeq} , 4hr	L _{Aeq} , 15min	L _{Aeq} , 9hr	L _{Aeq} , 15min	L _{A1} , 1 min
1	-	44	41	44	36	43	53
2	-	40	-	40	31	37	47
3	43	43	39	43	32	43	61
4	42	42	38	42	26	42	64
5	45	45	37	45	28	42	52
6	-	35	-	35	27	35	49

Maximum allowable noise contributions are to apply under meteorological conditions of:

- Wind speed up to 3 meter per second at 10 meters above ground level; or
- Temperature inversion conditions of up to 3 °C per 100 meters and wind speed up to 2 meters / per second at 10 meters above ground



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Table 4 - Consent conditions for noise and vibration

Condition		Operational Noise commitment
2.3	Maximum allowable operational noise contributions	<p>At the nearest receivers site specific operational noise limits shall apply:</p> <ul style="list-style-type: none"> ☑ Day time 42 – 45 dB(A) LAeq, 11hr and 35 – 45 dB(A) LAeq, 15min ☑ Evening 37 – 41 dB(A) LAeq, 4hr and 35 – 45 dB(A) LAeq, 15min • Night time 27 – 36 dB(A) LAeq, 9hr, 35 – 43 dB(A) LAeq, 15min and 47 – 64 dB(A) LA1, 1min
2.4	Location 1 maximum allowable night time noise goal	<p>Notwithstanding condition 2.3, the Allied Pinnacle Flour Mill shall implement all reasonable and feasible measures to achieve a night time noise contribution goal at Location 1 of 33 dB(A) LAeq, 9hr.</p> <p>As a minimum, Allied Pinnacle Flour Mill shall implement the following measures:</p> <ul style="list-style-type: none"> a) during the night time all truck movement shall be in the forward direction only; b) during the night time all reversing forklift movements will be limited to being within the confines of the warehouse building c) during the night time, Allied Pinnacle shall not normally cause or permit a train to be broken up, shunted, or unloaded at the site; and d) additional attenuation to the exhaust fans detailed in the Acoustic Assessment of Fixed Mechanical Plant (Heggies 2007) <p><i>If the Applicant undertakes a noise impact assessment, in accordance with the EPA's Industrial Noise Policy, that demonstrates that the appropriate noise criteria can be complied with at all relevant receiver locations without the noise mitigation measures prescribed in this condition, then the Applicant may, with the approval of the EPA and the Secretary, cease to implement those measures.</i></p>
2.5	Assessing LAeq (period) compliance at receiver locations	<p>Allied Pinnacle Flour Mill day time, evening and night time period LAeq, 15min noise contributions should be measured at the most affected point within the residential boundary, or at the most affected point within 30 meters of the dwelling for the assessment of compliance with Condition 2.3 noise limits. Where direct measurement of noise is impractical, an alternative noise assessment method deemed acceptable by the Environmental Protection Authority (EPA) may be implemented (reference to be made to Section 4 and Section 11 of INP).</p> <p>The EPA accepted alternative approach shall be submitted to the Director-General prior to the implementation of the assessment method.</p>



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2.6	Assessing LA1 (period) compliance at receiver location	<p>In assessing LA1 (1min) noise contributions specified under Condition 2.3, noise from the Allied Pinnacle Flour Mill shall be measured 1 meter from the building façade.</p> <p>Where direct measurement of noise is impractical, an alternative noise assessment method deemed acceptable by the Department of Environment and Climate Change (DECC) may be implemented (reference made to Section 11 of INP).</p> <p>The DECC accepted alternative approach shall be submitted to the Director-General prior to the implementation of the assessment method.</p>
3.1	Operational noise review (within 90 days of commencement of operation)	<p>This clause no longer applies to this NVMP as the site has already complied with the requirement to undertake a program to confirm the noise emission performance of the development within 90 days of the commencement of operation of the Project.</p>

4. Potential noise impacts

The noise and vibration impact assessment (Heggies, December 2004), carried out as part of the EIS, identified potential noise impacts associated with the mill operations and characterised the existing ambient noise environment.

A revision to the assessment was undertaken for the final selection of fans required for the operation of the Mill (Heggies, November 2007). Key noise issues from the assessments have been summarised in this chapter for the identification of potential noise impacts associated with the development.

4.1 Existing ambient noise environment

Baseline ambient noise monitoring was undertaken during September 2004 for the identification of day time, evening and night time noise levels and determination of existing influences to noise environs.

Nearest potentially affected receivers to the Allied Pinnacle Flour Mill site were identified at Picton Road, Menangle Road, Wilton Park Road. The local ambient noise environment at the receiver locations was influenced by existing local road traffic.

The measured period day time (7am – 10pm), evening (6pm – 10pm) and night time (10pm – 7am) noise levels were applied for the determination of site specific operational noise goals for Allied Pinnacle Flour Mill.

4.1.1 Meteorological conditions

Assessment of meteorological data for the period October 2003 to October 2004 was obtained from a local Camden weather station for the determination of potential noise enhancing wind gradient and temperature inversion conditions.

Adopting guidance from the NSW INP, frequency analysis demonstrate wind gradients and temperature inversions are not a feature for the area and are not required for inclusion in the assessment process.



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4.2 Predicted operational noise impacts

An assessment of potential operational noise emissions from the Mill was prepared for key operational noise fixed and mobile plant and equipment. Predicted operational noise levels were determined for the nearest potentially impacted receiver locations.

A 24/7 operation schedule was adopted inclusive of train unloading events involving the locomotive engine and grain wagons. Day time / evening and night time modelling scenarios were adopted.

Table 5 summarises predicted noise impacts at the nearest receiver locations for the revised operations for 26 fixed fans in cumulative operation for the night time period. Received noise levels have been assessed to the maximum allowable noise contributions established in Condition 2.3.

Table 5 - Predicted night time noise impacts

Receiver	Noise limit	Unmitigated impacts	Compliance	Mitigated impacts	Compliance
1	36	56	+ 20	36	Yes
2	31	47	+ 16	27	Yes
3	32	46	+ 14	26	Yes
4	26	38	+ 12	26	Yes
5	28	45	+ 17	28	Yes
6	27	36	+ 9	19	Yes

Received unmitigated noise levels of 36 - 56 dB(A) were predicted for Mill operations, which are potentially up to 20 dB in exceedance of the receiver specific noise limits.

The roof top mounted fans were identified as the dominant noise source contribution to received noise levels. Fan silencers (attenuators) were installed for noise control on 17 of the 26 fan units.

At all receiver locations compliance with the night time noise limits is predicted to be achieved.

It was noted that introduction of additional fixed plant to the Mill operations and intermittent sources (such as forklift operations) may also result in exceedance of the noise limits during peak operational periods (Heggies, 2004).

An assessment of sleep disturbance potential was undertaken for night time operations, no potential exceedance of adopted Environmental Noise Control Manual (ENCM, EPA 1994) noise goals was predicted. Peak received LA1 noise levels have been detailed in Table 6.



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Table 6- Predicted peak night time noise levels

Receiver	Predicted LA1, 1min noise levels				Sleep disturbance criteria
	Loco engine	Wagon bunching	Truck engine	Reversing alarms	
1	51	52	<20	21	52
2	32	39	24	34	47
3	34	42	28	38	57
4	33	42	27	37	64
5	35	46	31	41	52
6	31	34	<20	<20	48

5. Noise management measures

This chapter provides noise management and mitigation measures for implementation during Allied Pinnacle Flour Mill operations, designed to achieve compliance with:

- receiver specific night time 26 - 36 dB(A) LAeq
- 15min noise limits (COC 2.3), 33 dB(A) LAeq
- 9hr (night) Location 1 night time noise goal (Condition 2.4)
- compliance with DoP conditions and
- to minimise adverse community response or complaint to operations

Adopting principles of Best Management Practice and Best Available Technology Economically Achievable, management measures have been proposed indicative of normal operations and likely noise influence within the surrounding ambient environment.

Noise management and mitigation measures have been developed considerate of the predicted operational noise levels from the revised acoustic assessment (Heggies, 2007) and the existing influence to ambient noise environs.

5.1 Plant and equipment selection mitigation measures

The facility shall be maintained to ensure the commitments outlined in Table 7 are implemented for future operations.

Table 7 – Plant and equipment selection

Parameter	Details
Bag Packing works	<ul style="list-style-type: none"> • Implement BMP and BATEA principles such as provision of acoustic screening shall be adopted to reduce noise emissions. • Select all plant and equipment after considering noise emissions from the item.
Site vehicle and mobile plant source noise control	<ul style="list-style-type: none"> • Select the quietest available plant and equipment that can economically carry out the work. • Utilise, where appropriate, silencers (or similar ameliorative measures) to minimise potential cumulative noise emissions and reduce total site-related noise emissions.
Exhaust fans	Attenuation to the exhaust fans detailed in the Acoustic Assessment of Fixed Mechanical Plant (Heggies, 2007).



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5.2 Operational mitigation measures

The facility shall be operated to ensure the noise mitigation measures in Table 8 are maintained on an ongoing basis.

Implementation of these measures shall be monitored by the Site Manager, Warehouse Supervisor and Mill Manager.

No records are required to be maintained, however, repeat failure to implement any of these mitigation measures shall be recorded as an incident in the Incident Reporting Database.

Table 8 – Operational mitigation measures

Parameter	Details
Operational Hours	<ul style="list-style-type: none"> Operational hours shall be a 24 hours, 7 days a week schedule Delivery of wheat via the rail spur shall occur between 7am – 7pm only, with a maximum of one train delivery per day
Night time control of operations	During the night time 10pm – 7am period: <ul style="list-style-type: none"> All truck movement shall be in the forward direction only (no truck reversing shall be permitted) Reversing forklift movements shall be confined to the warehouse building only Trains shall not normally be broken up, shunted, or unloaded
Bag packing works	Schedule noise intensive works at times to minimise impact on sensitive receivers (typically the mid-day period) and peak hours (where transportation noise dominates).
Site Building facades	During the night time period (7am – 10pm), Warehouse, Workshop and Flour Mill building façade doors, roller doors, shutters, ventilation and other openings should be closed to minimise potential breakout of internal noise, with the exception of emergency doors.
Trucks	<ul style="list-style-type: none"> All trucks on site are to follow facility rules as set in the Allied Pinnacle Traffic Management Plan Arrange traffic routes and timetable planning so that reversing of vehicles and queuing on site is minimised

5.3 Assessment of practices to minimise noise emissions

Subject to the receipt of noise complaints or failure to meet operational noise limits set out in Section 3.3, an acoustic consultant shall be engaged to undertake an assessment of Best Available Technically Economically Achievable and Best Management Practices to minimise noise emissions.

5.4 Periodic monitoring requirements

Allied Pinnacle shall conduct the periodic maintenance and monitoring requirements outlined in Table 9 to Table 12 to minimise noise emissions at all times.

Records of the periodic maintenance and monitoring shall be maintained in the SAP Plant Maintenance Module. The records shall detail inspection events and any identified potential corrective work required.

Refer to Picton WHSE-Form-02 Implementation Checklist for the Noise & Vibration Management Sub-Plan (NVMP)



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Table 9 - Quarterly reporting obligations

Parameter	Details
Operational mitigation measures	Quarterly monitoring of targeted measures by the Warehouse Supervisor or the Mill Manager
Maintenance on fans and fan silencers	Routine inspection and maintenance of the fan units and fan silencers to maintain required operational and noise attenuation performance.
Bag packing works	<ul style="list-style-type: none"> Maintain all equipment in good operating order. Investigate and rectify any unusually noisy equipment.

Table 10 - Annual obligations

Parameter	Details
Noise incidents and complaints	Conduct an annual review of the “Rapid Induct Incident Database” for noise related incidents and complaints to determine the effectiveness of the mitigation measures and whether the noise limits and noise goals specified under these Consent Conditions, or best practice noise control operations, are being met.

Table 11 Three yearly obligations

Parameter	Details
Periodic operational noise limit compliance monitoring program	<p>Once every 3 years (Refer to Section 3.6):</p> <p>Undertake noise monitoring of operations at the most affected sensitive receptors.</p> <p>Conduct noise monitoring, assessment, and reporting adopting NSW Industrial Noise Policy (NSW EPA INP, 2000) guidance.</p> <p>Manage operational noise reports as part of the operations Incident Reporting Database.</p> <p>Undertake noise monitoring as per the defined strategy in Section 6 of this sub-plan.</p>

Table 12 Event based obligations

Parameter	Details
Future operational noise compliance	<ul style="list-style-type: none"> Undertake operational noise monitoring and noise criterion compliance assessment reporting within 14 days of any change to the schedule of operations from the defined works in the Schedule 1 Application. Conduct operation noise monitoring at receiver locations as per defined strategy in Section 6 of this sub-plan.
Noise compliance Investigation report	<ul style="list-style-type: none"> In the event of received adverse comment or complaint relating to noise from Allied Pinnacle Flour Mill operations, undertake an assessment of received noise influence. Include noise monitoring at the complainant property or nearest determined representative location as part of any noise complaint investigation. Undertake noise monitoring, assessment and reporting considerate of NSW INP guidance. In the event of non-compliance with noise criterion, investigate the source noise management and reasonable and feasible noise mitigation measures. Undertake noise monitoring as per the defined strategy in Section 6 of this sub-plan. Log all complaints in the Incident Reporting Database

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Noise incident report log	<ul style="list-style-type: none"> Maintain a log of noise related issues and events in the Incident Reporting Database. The database is to record any received noise complaints, detailing complaint location, action carried out and outcomes of investigations and implementation of management measures. Detail plant operations, road and rail transportation movements relating to noise events and findings during routine reviews of operation in the database. Monitoring data from the periodic assessment of ambient noise levels shall also be provided for cross reference and to form a historical database of measured noise events from operations. Undertake periodic review of the database to identify key noise events and referenced operations.
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6. Noise monitoring strategy

Noise monitoring of the mill operations was required by DA 318-12-2004-I Condition 3.1 at commissioning and recommended in the NVMP noise management measures.

No further noise monitoring is specified by the approval. A noise monitoring strategy has been developed to address ongoing noise monitoring and noise monitoring in response to complaints.

6.1 Noise monitoring locations

The operational noise and vibration impact assessment (Heggies, 2004 and 2007) and the project specific noise limits have been adopted in determination of the nearest sensitive receiver locations for operational noise monitoring.

Figure 1 details monitoring locations and the Flour Mill and road and rail access routes.

Noise monitoring as part of complaint investigation should be undertaken at the complainant’s property or nearest representative location.

Figure 1- Noise Monitoring Locations



Image Courtesy of NearMap.



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6.2 Noise monitoring methodology

All noise monitoring should be undertaken adopting, as a minimum, the following procedures. Specific methodologies have been provided for the purpose of noise limit compliance assessment and noise complaint investigation.

6.2.1 Noise monitoring procedure

The attended noise monitoring instruments should be set on A-weighted, fast response and logged noise levels over fifteen minute statistical intervals.

The instrument is set to comply with AS1259 Sound Level Meters.

Unattended noise monitors shall be established at identified residential locations. Continuous 15 minute statistical measurements shall be undertaken using noise loggers.

Noise monitoring will be undertaken in accordance with AS1055 where the microphone will be positioned at 1.2 metres above ground level and will be fitted with a windsock.

Pre-measurement and post-measurement calibrations will be carried out to determine any significant variances observed in the reference signal.

All instrument sets shall be calibrated by a NATA accredited laboratory within two years of the measurement period.


Noise monitoring shall be undertaken consistent with the NSW INP, where the following monitoring principles shall be applied:

- Attended noise monitoring should be undertaken during the day time (7am – 6pm), evening (6pm – 10pm) and night time (10pm- 7am) periods.
- Attended day time and evening time measurements should be made during the arrival, unloading and departure for a wheat train delivery cycle.
- Allied Pinnacle Flour Mill day time, evening and night time period LAeq operational noise contribution shall be measured at the most affected point within the residential boundary, or at the most affected point within 30 meters of the dwelling.
- Allied Pinnacle Flour Mill day time, evening and night time period LA1 operational noise contributions shall be measured at 1 meter from the building façade in the presence of minimal near field reflections.
- Adopting INP guidance, assessment of received noise profiles shall be undertaken for determination of potential disturbing tonal, impulsive, intermittent or low frequency noise characteristics attributable to Allied Mill Flour Mill operations.
- Noise monitoring shall be undertaken during periods of satisfactory meteorological conditions; wind speed less than 5 meters per second and nil precipitation.

6.2.2 Correlation to operations / complaint investigation monitoring

Short term operator attended noise monitoring should be undertaken for the determination of day time, evening and night time noise environs and received noise influence from Flour Mill operations at the identified complainant premises.

Noise monitoring shall be undertaken upon receipt of the complaint. Noise monitoring and reporting shall be undertaken by a suitably qualified acoustic consultant.

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6.3 Periodic compliance noise monitoring

As part of due diligence practice, monitoring of ambient noise levels will be undertaken every 3 years in the surrounding environment for the determination of potential operational influence on noise environs and compliance with the adopted day time, evening and night time noise limits.

Short term operator attended noise measurements will be undertaken at previously adopted nearest receptor locations to facilitate comparative analysis of noise levels.

Consideration of the Flour Mill operations and local meteorological conditions, noise monitoring is recommended to occur every 3 years during normal Flour Mill operations. Reporting of the noise monitoring and assessment shall be managed as part of the operations log.

Noise monitoring and reporting shall be undertaken by a suitably qualified acoustic consultant.

6.4 Reporting

Within 28 days of completing noise monitoring any non-compliance with the noise criterion shall be reported to the EPA and the Director-General of DPE.

Throughout the life of the project periodic results of operational noise monitoring shall be detailed in the AEMR. As required further noise monitoring shall be undertaken in the event of adverse community comment or complaint related to operational noise.

7. Corrective action

An important aspect in the environmental noise management of the Flour Mill operations includes the adoption of suitable procedures in the event of a complaint or non-conformance.

All noise complaints and observed noise events will be reported in the Incident Reporting Database, investigated and corrected in accordance with noise management and mitigation measures of the NVMP to ensure effective noise management practices at all times on site.

Refer also to Section 5.4.2 of the OEMP.

Refer to Picton WHSE-006 Picton Operational Environment Management Plan

7.1 Noise and vibration complaints

Specific corrective action items for noise and vibration complaints are provided in Table 13.

The noise management measures will be reviewed and amended accordingly where a complaint is received (and verified) or a change in work method occurs. All Allied Pinnacle staff will be notified of changes made to the noise management measures.


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Table 13 - Corrective actions for noise and vibration non-conformances

Trigger	Action	Responsibility
Complaints received from nearby resident(s) Complaints received by Regulatory authority	<ul style="list-style-type: none"> • Record complaint • Investigate and verify complaint and assess if excessive off-site impacts have occurred. • Implement reasonable and feasible corrective measures to avoid recurrence or minimise ongoing adverse impacts. • Complete monitoring/additional investigations to verify the adequacy of the recommendations (as required). • Notify complainant of actions taken. • Continue to monitor activity if required. 	Site Manager

Related Documents

- **Picton WHSE-006 Picton Operational Environment Management Plan**
- **Picton WHSE-Form-02 Implementation Checklist for the Noise & Vibration Management Sub-Plan (NVMP)**

DOCUMENT APPROVAL and CHANGE HISTORY

APPROVAL			
Action	Position Title	Name (s)	Date
New Document Approval Version V01 to update to new format and Control under WHSE System	National WHSE Manager	Maria Hooker	20/7/2023



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Next Review	July 2026



Picton WHSE-007 Picton Noise & Vibration Management Sub-Plan (Appendix A)

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