



Parramatta Light Rail (Stage 1)
Westmead to Carlingford via Parramatta CBD and Camellia


Acoustics Advisor's Monthly Report – January 2021



The Acoustics Advisor's Report has been provided by a third party and may not adhere to the accessibility standards followed by Transport for NSW. If you encounter any problems accessing this document, please contact Parramatta Light Rail on our 24 hour community information line (1800 139 389).



MONTHLY REPORT
PARAMMATA LIGHT RAIL (PLR): ACOUSTIC ADVISOR

For Period:	01 - 31 January 2021
Prepared By:	[REDACTED]
Date of Issue:	2 February 2021
Reference:	5518_PRL-Monthly_AA_Report_January01to31_2021
Authorisation:	

PJT - Project Wide, P1 NP - Enabling Works, P2 HRW - Hawkesbury Road Widening, P3 SAM - Camellia, P4 INF - Infrastructure, P5 SOM - Supply Maintain Operate. RT - Alternate AA inspections

Acoustic Advisor Activity

- Review and comments provided for:
 - P1 NP: ECM and Spreadsheet noise calculations to support Robin Thomas Reserve works, NVMSub-Plan (Rev 08.03).
 - P4 INF: Environmental Monitoring Report - December 2020
 - P4 INF: Annual Environmental Monitoring Report
 - P5 SOM: ECM Management Plan (minimal acoustic related content)
 - P5 SOM: SOM-17 Noise and Vibration DDR
 - P5 SOM: Utility Service Management Plan (Rev G)
- ONVR: AA issued a letter requesting greater detail regarding noise and vibration modelling assumptions, response requested from both PCPLR and GRCLR teams in consolidating their submissions.
- Attendance at, or review of meeting minutes, from DPIE and TfNSW (General Meeting, Executive, Environmental Planning and Sustainability).
- Review of noise and vibration monitoring records and alerts.

Noise and vibration complaints

- AA follow up regarding actions regarding specific complaints, including (**complaint report #**):
 - **820E** - 207 Church Street (rock breaking with no noise blankets) - rectified with noise blankets and toolbox talks to remind crews of mitigation methods in CNVMP
 - **822E** - 504 Church Street (generator/light tower noise) - rectified with battery operated light towers.
 - **828E** - George Street (hydrant road plate noise) - planned action to rectify
 - **830E** - 504 Church Street (resident discomfort regarding vibration) - suitable response provided in requesting access to monitor levels.
 - **857E** - 504 Church Street (noise and vibration OOHV) - suitable response, external monitoring within acceptable limits, repeated request for access to measure levels within property.
 - **865E** - Charles Street - construction teams confirmed OOHV respite nights are being provided



Inspections / Actions

- January Inspections all completed by RT (Alternate AA inspections)
- Fortnightly Inspection (#23) - 15th January 2021
 - Area 2 - OOHW Church Street concrete pour, Macquarie Street excavation
 - Attended monitoring full compliance, concrete truck located optimally.
- Fortnightly Inspection (#24) - pushed back until 3rd February 2021, to tie in with Robin Thomas Reserve activities commencing.
- Review of ER inspection documentation.
- Review of TfNSW inspection documentation.

Monitoring and Alerts

- HAC Monitoring - Cumberland - 19/01/2021 Triggered alerts via SMS for elevated noise levels at various times (all standard construction hours) up to 7.4 dBA above the 55 dBA threshold.
 - Identified HNIW activity, Water Jet Demolition was being undertaken, and triggered alerts resulted in the addition of additional noise blankets - suitably addressed.

Non-compliance and incident details

- Nil related to AA activities/inspections
- Nil forwarded to AA for consideration

Ongoing and upcoming environmental risks (noise and vibration)

- Increased concrete pour activities, character of continuous elevated noise (concrete trucks and pumps) can result in complaints/annoyance.
- Utilities works occurring across the project, standard and OOHW (which can include cutting and breaking HNIW activities). Ensure best practices for noise mitigation and screening continue.
-

Recommendations / Advice (incl auditing)

- Updated - Pending response from the EPA requesting the consideration of alternate criteria (departures from RING/CoA) in consideration of Greenfield and Brownfield criteria application, due to existing noise levels potentially exceeding the target criteria.
 - Updated understanding that reasonable and feasible mitigation will be considered, and subsequently the above would be screened.

Outstanding Queries

- Ongoing meetings, reviews, and advice to ensure the INF and SOM packages correlate, to ensure compliance with CoA, as well as identifying potential for early mitigation of operational noise in accordance with CoA E49. AA letter with request for response including a list of expected deliverable items from each team issued.

Other Items

- Nil

Note: All professional advice provided by [REDACTED], including any information contained in this letter, is subject to the terms of the Disclaimer shown on our website at [REDACTED]