



MONTHLY REPORT
PARAMMATA LIGHT RAIL (PLR): ACOUSTIC ADVISOR

For Period:	01 - 30 September 2021
Prepared By:	[REDACTED]
Date of Issue:	1 October 2021
Reference:	5518_PRL-Monthly_AA_Report_September01to30_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:
 - P4 SOM: ONVR Consultation Strategy (Rev B)
 - P5 SOM: Construction Traffic and Transport Management Plan (Rev D)
 - P5 SOM: Communication and Engagement Plan (Rev C)
- AA provided supporting evidence of Noise and Vibration management methods toward the ISCA review for INF activities.
- Attendance at, or review of meeting minutes, from DPIE and TfNSW (General Meeting, Executive, Environmental Planning and Sustainability).
- Site Inspections completed by Alternate AA ([REDACTED]):
 - Fortnightly Inspection (#37) - 10th September 2021, Area 2 and 3, and OOHW Kissing Point Bridge
 - Additional Inspection review SaMF, OOHW activities from Ventia (complaint review, Rydalmere)
 - Fortnightly Inspection (#38) - 23rd September 2021 - Area 1 and 2, daytime activities
 - Fortnightly Inspection (#39) - 30th September 2021 - Area 2 and 3, including rail grinding activity
- Review of noise and vibration monitoring records and alerts and daily complaints register.

Noise and Vibration Matters Raised

- The ER queried whether Rail Grinding activity has specifically been considered in the CNVIS documentation. The AA followed up with contractor, and it was identified that Appendix documentation identified the source inclusion within the establishment activities. The matter was closed.
- The EPA have identified their intent to commence a Noise Compliance Campaign, including review of noise impacts generated during 'out of hours work' (OOHW) from transport infrastructure construction projects - including PLR. The campaign will run from October to December 2021, and the AA will aid where possible.

Noise and vibration complaints

- AA follow up regarding actions regarding specific complaints. All were identified as suitably addressed and/or resolved.



- P4 INF: recurrent complaints (10 between July 2020 and 28 September 2021) from [REDACTED] Church Street, vibration from vibratory rollers along Church Street – TfNSW requested that investigation be undertaken regarding level of vibration, and what mitigation and considerations have been implemented to minimise the impacts to this location.
 - Additionally the status of complainant is of interest, due to an incident involving threatening workers.
 - Potential coincidence with seismic event.
 - Review of CEMP/CNVMP/CNVIS and TfNSW guidelines concerning the size and separation distance of plant reviewed and identified as acceptable, pending site specific investigation.
 - AA advice was considered and adopted where reasonable and feasible, however investigation ongoing as at time of writing.
- General number of noise and vibration complaints seem to have reduced during September, however noted that lock-downs and frequency of HNIW and OOHW reduced from previous months.
- All complaints identified to be responded to sufficiently.
- Often complaints logged in the system are related to works outside the scope of PLR works. Contractors have been quick to identify these situations and respond with clear communication to the complainant.

Inspections / Actions

- It was desired to attend and observe/measure the specific activities jetty demolition/decommissioning, which have been postponed until October, and commencement of Rail Grinding (Tamping) activities for review of requirement for additional mitigation if necessary - which were measured on 30 September 2021.
- Fortnightly Inspection (#37) - 10th September 2021, Area 2 and 3, including OOHW at Kissing Point Bridge:
 - Area 2 – Church Street, CBD (Minor paving works, saw cutting within noise ‘shed’)
 - Area 3 – Rydalmere to Telopea rail corridor (Concrete pouring)
 - Area 3 – Kissing Point Bridge, OOHW (Pavement cutting, excavation of trenches)
 - Use of mobile noise blankets observed, and measurements identified as effective.
- Additional Inspection 10th September 2021, SaMF Site reviewing impact from VENTIA activities before handover to SOM (review complaint from Rydalmere):
 - Excavator and truck movements at SaMF site were not audible in Rydalmere.
 - Overall it is anticipated that on the night of the complaint, activities were occurring elsewhere in the industrial areas of Camelia or Rydalmere, unrelated to SaMF and PLR activities.
 - SaMF OOHW activities were assumed to be < 46 dB(A) and in compliance with CoA E23.
- Fortnightly Inspection (#38) - 23rd September 2021 – Area 1 and 2, daytime activities
 - Area 1 - Hawkesbury Road, Hainsworth Street – Westmead (excavation, pavement breaking)
 - Opportunity for Improvement: implement noise mitigation for pavement breaking, even for very short duration activities.
 - Area 1 - Factory Street – North Parramatta (low level excavation activities)
 - Area 1 - [REDACTED] Church Street (complaint location) – North Parramatta (no activity, observation of 10T roller at the site)
 - Area 2 - Macquarie Street, east of Argus Lane – CBD (saw cutting and excavation activities)
 - Area 2 - George / Alfred Streets – CBD (general excavation, noise blankets in place)
- Fortnightly Inspection (#39) – 30th September 2021 – Area 2 and 3, including rail grinding activity



- Area 2 – Macquarie Street at Argus Lane, and Church Street near George Street
 - Minimal excavation activities, and saw cutting occurring within a noise ‘shed’
- Area 3 – Leamington Road, Telopea
 - Rail Grinding activities measured and observed at middling volumes, no additional mitigation for the short duration and continuously moving activities flagged.
- Report and advice issued 1 October 2021, no queries or items for actions raised.

Monitoring and Alerts

- HAC Monitoring – Cumberland Hospital, Westmead
 - Triggered alerts via SMS for elevated noise levels at various times (all standard construction hours).
 - No action required, significant noise level alarms unrelated to construction activity.

Non-compliance and incident details

- Nil related to AA activities/inspections

Ongoing and upcoming environmental risks (noise and vibration)

- As rail grinding commences through different areas, the new source of noise may generate new complaints. However;
 - The duration of the source will be limited,
 - The moving nature of the source should result in minimal measurable impacts,
 - initial observations and monitoring identify the activity is not dissimilar from vacuum trucks and concrete pour mechanical noise.
- Diligence in minimising potential impacts and perception recommended via notifications.
-

Recommendations / Advice (incl auditing)

- No additional

Outstanding Queries / Other Items

- Investigation into complaints and implemented mitigation measures at [REDACTED] Church Street pending.

[REDACTED]

[REDACTED]

[REDACTED]