


Air Noise Environment Pty Ltd

Level 6, 69 Reservoir Road
Surry Hills
NSW 2010
T: 02 8217 0706
E: nsw@ane.com.au

ACN 081 834 513
ABN 13 081 834 513



MONTHLY REPORT PARAMMATA LIGHT RAIL (PLR): ACOUSTIC ADVISOR

For Period:	01 - 30 November 2020
Prepared By:	Beau Weyers
Date of Issue:	7 December 2020
Reference:	5518_PRL-Monthly_AA_Report_November01to30_2020
Authorisation:	

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

Acoustic Advisor Activity

- Review and endorsement of:
 - P4 INF: E39 Consultation Report (July to September) - endorsed
 - P5 SOM: Construction Noise and Vibration Management Plan (Rev F) - endorsed
 - associated, Consultation Report (Rev B) - also reviewed
 - P4 INF: Noise and Vibration Management Sub-Plan (Rev 10) - endorsed
 - P4 INF: CNVIS A2_008, Church Street Microtunnel - conditional endorsement
 - Siting and installation of vibration monitor to be completed by acoustic consultant
 - P4 INF: CNVIS A2_009 Area 2 compounds - endorsed
- Review and comments provided for:
 - P4 INF: EWMS 01 - Flying Fox Expert Review
 - P5 SOM: Potential noise and vibration from realignment of design adjacent Phoenix Cafe
 - P1 NP: Noise and Vibration Management Sub-Plan (Rev 08.03) - addition of Robin Thomas Reserve
 - associated, CEMP Report (Rev 09) - also reviewed
- Attendance at, or review of meeting minutes, from DPIE and TfNSW (General Meeting, Executive, OOHV Working Group, IC Construction, Environmental Planning and Sustainability, ONVR Progress update workshop).
- Attendance at TfNSW workshop to consolidate INF & SOM ONVR methodology and deliverables.
- Review of noise and vibration monitoring records and alerts.
 - P4 INF: Environmental Reviews (41, 44, 47, 48)
 - P4 INF: HAC / CMRI / WIMR vibration sensors





Noise and vibration complaints

- Various noise complaints received by Communication teams reviewed daily by AA, some specifically investigated below from 26 November (greater detail in Inspections / Actions section below):
 - Complaint #709 – 30 Hainsworth Street (Wesley Apartments)
 - 5 families complained within the last week of November. Noted that due diligence has been completed by Parramatta Connect to-date, and consideration of residents is on-going.
 - Complaint #708 – Lennox Bridge
 - complaints pertaining to public concern over structural damage. Investigation has identified that cracks are unrelated to PLR works.

Inspections / Actions

- November Inspections all completed by RT (Alternate AA inspections)
- Fortnightly Inspection (#15) - 4th November 2020, no actions required:
 - Observation of vibration monitor installation and completion of monitoring at neighbouring sensitive site, during CFA piling activities.
- Fortnightly Inspection (#16) - 13th November 2020, no actions required:
 - Area 2 - Macquarie St (Excavation/Vac Trucks OOHV HNIW)
 - Area 3 - Crane lifting beams to Tramway Avenue Bridgework
- Fortnightly Inspection (#17) - 24th November 2020:
 - Area 3 – General review of state of site, plant in use, and noise mitigation measures
- Fortnightly Inspection (#18) - 24th November 2020:
 - OOHV noise monitoring at ATC grounds keeper's house during CFA Piling at SaM site
- Review of ER inspection documentation.
- Review of TfNSW inspection documentation.

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)

- Ongoing concerns with construction through Cumberland precinct:
 - OOHV construction adjacent 30 Hainsworth Street (Wesley Apartments).
 - Cumberland Hospital Bunya Facilities – high ground-borne noise predicted.
 - flying fox colony rearing season.
 - Identification of 600mm asphalt below sections of Eat Street (early December), additional HNIW activities than previous estimated will occur to remove.
 - Routine complaints from apartment buildings at intersection of Church St, and Victoria Road.
- AA will focus inspections and management review of above items during December.

Recommendations / Advice (incl auditing)

- AA recommended that P5 SOM: CNVMP (Rev F) consultation include Cumberland Council despite no predicted impact to heritage items (as per C5,9,10,12).





- Pending response from the EPA, and response to AA concerns, 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.
 - At present identified that INF and SOM teams are progressing targeting meeting RING/CoA.

Outstanding Queries

- Internal inspections of Cumberland facility buildings, including review of ground-borne noise concerns.
- Workshop to consolidate INF and SOM ONVR packages did not close out all items. AA to prepare a revised list of expectations for deliverable items from each team, for review by TfNSW.

Other Items

- With COVID-19 border crossing relaxing between QLD and NSW, primary AA (Beau Weyers), targeting to attend site in December 2020 or early January 2021.

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