

<b>Project</b>	Power Enabling Works, 33kV Rozelle	<b>Report No.</b>	049	<b>Date Collected</b>	05/05/2022	<b>Time Collected</b>	15:17-15:49
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<b>Data &amp; Report By:</b>	D. Mutkins	<b>Works</b>	Conduit proofing/Mandrel	<b>Purpose of Data Collection</b>	Ongoing monitoring / model validation
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<b>Location of construction activity (see Attachment)</b>	<b>Monitoring locations</b> 1. 155a Mansfield Street 2. 122 Mansfield Street
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<p><b>Observed construction activity</b></p> <p>Conduit proofing and mandrel.</p>	 
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**Meteorological conditions**

<b>Wind</b>	Slight NE		
<b>Temperature (°C)</b>	22	<b>Cloud Cover:</b>	Cloudy
<b>Instrumentation details</b>	Rion NL-42 – Sound Level Meter	<b>Calibration valid until</b>	March 2023

**Instrumentation and method**

Monitoring was performed with sound level meter Rion NL-42 fixed to a tripod at a height of approx. 1.5m above the ground surface. The sound level meter was pre calibrated with a valid certificate until March 2023. Monitoring was conducted over multiple 15-minute periods in two locations. LAeq, LA90 and Lamax parameters were recorded in all cases.

Monitoring locations were selected to represent nearest affected receivers. See attachment monitoring locations and KNOWnoise maps.

**Results**

Particulars			Actual Recording(s)			KNOWnoise Prediction(s)
Location	Time	Observations	LAeq	LA90	Lamax	LAeq
1	15:17-15:32	5t idling assisting with roping conduits. Vac truck off, only required when dewatering. School kids walking past monitoring device yelling LAmix	63	58	84	72
2	15:34-15:49	5 t idling as above, vac truck starting up ~8min into recording period. 70-72 dBA from ~6m. ~77-78dBA when in full gear , vac truck switched off at 12min	78	61	85	77

### Result Summary

Monitoring conducted for conduit proofing works on Mansfield Street in preparation for the OOHW cable pulling works. Vac truck use required to remove water from the joint bay when conduits are being proofed. Compressed air is blown through the conduits to ensure there is no water/debris before pulling cable through. Monthly monitoring events will continue throughout the project duration.

## Attachment 1 Monitoring Locations

