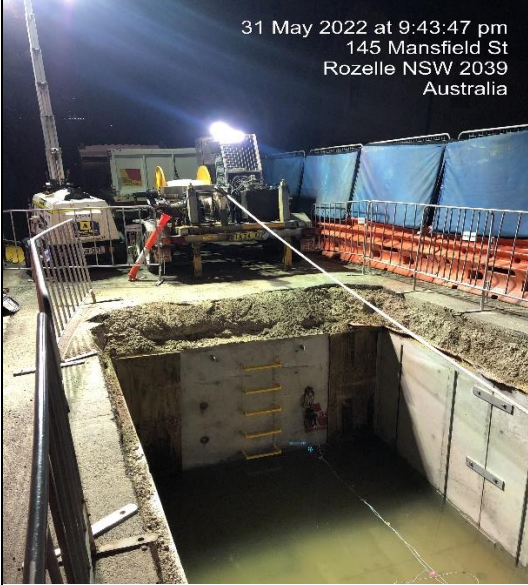



Project	Power Enabling Works, 33kV Rozelle	Report No.	056	Date Collected	31/06/2022	Time Collected	21:40-22:55
Data & Report By:	D. Mutkins	Works	Cable Pulling		Purpose of Data Collection	Ongoing monitoring / model validation	
Location of construction activity (see Attachment)			Monitoring locations				
			<ol style="list-style-type: none"> 1. 149 Mansfield Street 2. 122 Mansfield Street 3. 24 Waterloo Street 4. 21 Waterloo Street 				
Observed construction activity							
33kV cable pull from Waterloo Street Joint Bay to Mansfield Street Joint Bay							
							



Meteorological conditions

Wind	Strong SW		
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Temperature (°C)	9	Cloud Cover:	Clear
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Instrumentation details	Rion NL-42 - Sound Level Meter	Calibration valid until	March 2023
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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. A field calibrator was also used prior to taking the first recording and after the monitoring session to ensure device was within required range. Monitoring was conducted over multiple 15-minute periods in four locations. LAeq, LA90 and LMax parameters were recorded in all cases.

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

Results

Particulars			Actual Recording(s)			KNOWnoise Prediction(s)
Location	Time	Observations	LAeq	LA90	LAmix	LAeq
1	21:40-21:55	Cable winch idling at begging of recording, preparing to begin feeding the winch rope back to Waterloo Joint Bay. Winch beginning to increase revs to pull cable back with a noticeable increase in LAeq up to ~70-72dBA from 6m.	72	70	76	68
2	21:57-22:12	Cable winch pulling back to joint bay on Mansfield. Recording taken closer to the daymaker generator which is setup next to the winch. Overall LAeq 72dBA with a slightly louder LAmix value up to 78dBA.	72	71	78	67
3	22:23-22:38	Cable trailer with drum feeding cable back into Joint Bay on Waterloo Street. Measurement behind noise mats, additional mats placed around the engine to ensure best practice to mitigate emitting noise. LAeq ~67dBA.	67	57	80	71
4	22:40-22:55	Cable trailer idling at beginning before being pulled back towards Mansfield Joint Bay. Trailer stops feeding cable as the cable meets the first CAT pit on Darling Street. Once cable is fixed to the accurate position, trailer begins to start again. LAeq~ 63dBA.	63	56	71	72
Result Summary						
<p>Monitoring was conducted to capture OOHW cable pulling from Waterloo Street Joint Bay back to Mansfield Street Joint Bay. All works sites were very well setup with noise mats surrounding the perimeter of the area. Continuous monitoring will be conducted throughout the duration of cable pulling works. No complaints received for the works to date, ensuring sites remain setup well to minimise noise impacts to the greatest extent practicable.</p>						

Attachment 1 Monitoring Locations

