

WE18 Noise Monitoring Results - 1/2 November - Wickham Transport Interchange (SIG19)

NovoRail Reference Number	Site #	Monitoring Location	Weather Conditions	Date	Time	Duration	Time Units	Construction Activities	Main source of noise	LA(eq)	LA(10)	LA(90)	LA(max)	LA(min)	Shift	Audible noise from WTI construction activities	Predicted construction sound pressure level (LA(eq,15min))	Compliance	Comments
1	NCA8	1 Selma Street, Wickham	Sunny, Windy	1/11/2014	14:26	15	min	ULX, Potholing	Traffic	63.8	66.4	55.2	81.7	50.4	Day	Vacuum truck reversing	56	Y	Dominated by road traffic, Earth mound sheilds sound from rail corridor
2	NCA9	3 Eva Street, Hamilton	Sunny, Windy	1/11/2014	15:02	15	min	ULX	Traffic	55.0	57.0	50.3	72.7	46.8	Day	Inaudible	66	Y	Dominated by road traffic
3	NCA5	59 Station Street, Wickham	Overcast, windy	1/11/2014	19:00	15	min	GLT Install	Traffic	51.4	53.8	48.2	64.9	45.6	Evening	Dumping ballast, Loader	66	Y	Road traffic and music from local pub
4	NCA2	10 Ivy Street, Hamilton	Overcast, Windy	1/11/2014	20:02	15	min	Site Compound, ULX	Traffic	58.7	60.0	55.0	75.9	52.8	Evening	Lighting tower	68	Y	Lighting towers, music from residence, Buses on Ivy and Fern Streets, Traffic on Beaumont Street
5	NCA1	25 Fern Street, Hamilton	Clear, windy	1/11/2014	20:22	15	min	Site Compound	Traffic	61.6	58.0	54.0	86.5	52.1	Evening	Lighting tower	59	Y	Buses on Fern and Ivy streets were major contributors
6	NCA8	1 Selma Street, Wickham	Light breeze	2/11/2014	4:36	15	min	ULX	Traffic	53.3	55.7	49.1	64.9	45.3	Night	Lighting tower	56	Y	Dominated by road traffic
7	NCA9	3 Eva Street, Hamilton	Light breeze	2/11/2014	5:12	15	min	ULX	Traffic	50.2	54.8	44.0	56.1	43.8	Night	Construction activities only just audible	67	Y	Dominated by road traffic
8	NCA1	25 Fern Street, Hamilton	Light breeze	2/11/2014	5:49	15	min	ULX	Traffic	60.1	61.0	48.6	80.3	45.7	Night	Concrete trucks, ULX activity only just audible	62	Y	Dominated by road traffic
9	NCA2	10 Ivy Street, Hamilton	Light breeze	2/11/2014	6:18	15	min	ULX	Traffic	60.1	56.4	46.6	87.9	44.8	Night	Generator, reversing alarm	68	Y	Dominated by road traffic
10	NCA2	10 Ivy Street, Hamilton	Fine	2/11/2014	18:52	15	min	ULX	Traffic	65.7	68.8	54.8	84	51.1	Evening	Workers talking, Lighting tower	68	Y	Neighbours gathering, Buses on Ivy and Fern Streets
11	NCA5	59 Station Street, Wickham	Fine, Llight breeze	2/11/2014	18:25	15	min	GLT, Excavator	Traffic	57	60.8	48.2	78.6	45.8	Evening	Nil	68	Y	Music at pub, birds, kids playing, traffic
12	NCA1	25 Fern Street, Hamilton	Fine, windy	2/11/2014	19:11	15	min	ULX, Site Compound	Traffic	59.9	62.1	48.2	82.6	48.9	Evening	Excavator, Lighting Towers	59	Y	Buses on Fern and Ivy Street, pedestrians
13	NCA9	3 Eva Street, Hamilton	fine, light breeze	2/11/2014	19:35	15	min	ULX, Site Compound	Traffic	51.3	52.4	49.2	66.8	47.3	Evening	Lighting towers	66	Y	Station announcement, dog barking, Traffic
14	NCA8	1 Selma Street, Wickham	fine, light breeze	2/11/2014	19:56	15	min	GLT	Traffic	58.1	60.8	50.4	82.2	47.5	Evening	Reversing alarm	56	Y	Dominated by road traffic

*** higher than predicted noise levels due to non-construction related activities i.e. traffic**