

**WE27 Noise Monitoring Results - 29 December - 4 January - 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	NCA 9	3 Eva Street, Hamilton	Overcast, light rain	29/12/2014	1:26	15	Mins	Trackworks	Traffic	41.5	44	-	57.9	-	Night	Light generators	47	Y	Noise from Donlad street traffic dominant. Light generators main source of construction noise with a very small amount of noise from reverse quackers. Bats faintly audible for a brief period of time.
2	NCA 8	1 Selma Street, Newcastle West	Overcast, rain	29/12/2014	1:48	6	Mins	Trackworks	Traffic	50.5	54.4	38.6	64.3	37	Night	Light generaotrs	44	Y	Ceased at 6 minutes due to heavy rain. Traffic was dominant noise source. Light generaotrs main source of construction noise with reverse quackers faintly audible for a brief period of time.
3	NCA 5	59 Station Street, Wickham	Fine	29/12/2014	22:02	15	Mins	OHW installation, Excavator	Construction	61.5	66	48.8	83.2	44.5	Night	Excavator, jackhammer, hand tools, power tools, light towers, dumping of concrete waste into tipper truck	51	N	Construction noise dominant. Large amounts of noise from excavation and jackhammering of concrete and asphalt and dumping waste into truck. Additional noise from light generator, hand tools, power tools, reverse quackers and workers talking.
4	NCA 1	25 Fern Street, Islington	Fine	29/12/2014	22:30	15	Mins	OHW installation	Traffic	45.4	47.8	38.4	63.9	36.8	Night	Light generators, light vehicles	37	Y	Noise from Beaumont street traffic dominant. Light generators and light vehicle movemnet sources of construction related noise. Additional noise from crickets and small amounts of noise from bats.
5	NCA 2	10 Ivy Street, Islington	Fine	29/12/2014	22:51	15	Mins	OHW installation	Construction	53.6	52.6	49.8	70.1	49	Night	Light generators, light vehicles	47	N	Contruction noise dominant. Small amounts of noise from traffic.
6	NCA 9	3 Eva Street, Hamilton	Fine	29/12/2014	23:17	15	Mins	OHW installation	Traffic	42.9	45.6	38.6	59.3	37.5	Night	Light generators	41	Y	Noise from Donald street and Beaumont street traffic dominant. Additional noise from pedestrians
7	NCA 8	1 Selma Street, Newcastle West	Fine	29/12/2014	23:46	15	Mins	OHW installation	Traffic	50.7	53.6	40	67.6	38.8	Night	Light generators	44	Y	Noise from Maitland road and Donald street traffic dominant.
8	NCA 5	59 Station Street, Wickham	Fine, light breeze	30/12/2014	13:09	15	Mins	Walkways, GST	Mixed: traffic & construction	58	59.2	50	79.9	47.6	Day	Heavy vehicles, hand tools power tools, excavator.	43	N	Construction noise and noise from traffic dominant. Additional noise from local residents chatting.
9	NCA 2	10 Ivy Street, Islington	Fine, windy	30/12/2014	14:30	15	Mins	Platform extension	Traffic	57.3	58.2	48.6	81.2	43.6	Day	Watercart	51	Y	Noise from local traffic dominant. Noise from barking dog. Construction activities faintly audible.
10	NCA 1	25 Fern Street, Islington	Fine, windy	30/12/2014	14:48	15	Mins	Platform extension	Traffic	57.1	59.8	47.2	75.9	43.9	Day	Reverse beeper	48	Y	Noise from road traffic dominated. Additional noise from pedestrians and barking dog.
11	NCA 5	59 Station Street, Wickham	Fine	30/12/2014	22:25	15	Mins	Footpaths	Construction	58.6	60.6	51.4	79.9	48.6	Night	Lighting generator, excavator, power tools, reverse quackers, talking workers	47	N	Noise from lighting tower, excavator and power tools dominated. Minimal additional noise local traffic.
12	NCA 1	25 Fern Street, Islington	Fine	30/12/2014	22:52	15	Mins	OHW structures	Traffic	50.3	48.4	41.2	71.8	39.7	Night	Lighting generators, power tools, reverse quackers.	37	Y	Noise from local traffic dominated. Additional noise from barking dog, crickets and construction.
13	NCA 2	10 Ivy Street, Islington	Fine	30/12/2014	23:13	15	Mins	OHW structures	Construction	52.2	53	50.8	69.7	49.4	Night	Light generators	47	Y	Noise from lighting generators dominated. Additional noise from local traffic.
14	NCA 9	3 Eva Street, Hamilton	Fine	30/12/2014	23:38	15	Mins	OHW structures	Traffic	43.8	46.2	40	59.6	38.8	Night	Light generators, reverse quackers	41	Y	Noise from traffic dominant. Additional noise from construction and bats.
15	NCA 8	1 Selma Street, Newcastle West	Fine	31/12/2014	0:08	15	Mins	OHW structures	Traffic	50.5	52	39.8	73.6	37.9	Night	Light generator, reversing alarm, FEL, hand tools	44	Y	Noise from local traffic dominant. Minimal additional noise from construction activities.
16	NCA 5	59 Station Street, Wickham	Overcast, light wind	31/12/2014	22:53	15	Mins	GST + Footpaths	Local pub	56.4	56.8	55.5	66.3	55	Night	Light generator, hand tools	47	Y	Majority of noise from New Years eve celebrations at local pub. Live band at pub audible. Additional noise from construction.
17	NCA 8	1 Selma Street, Newcastle West	Fine	31/12/2014	23:57	15	Mins	GST + Footpaths	Traffic	58.6	61.1	50.6	76.9	48.9	Night	Lighting generators	48	Y	Local traffic was the dominant source of noise. Large amount of incident noise from police acr with siren. Minimal additional noise from construction activities.

18	NCA 1	25 Fern Street, Islington	Fine	31/12/2014	23:52	15	Mins	General	Local pub	58.5	60.9	50.6	69	48.9	Night	Lighting generator	37	Y	Live music and New Years Eve celebrations at local pub clearly dominated. Additional noise from local traffic. Construction noise almost unnoticeable.
19	NCA 2	10 Ivy Street, Islington	Fine	1/01/2015	0:13	15	Mins	General	Construction	61.6	62.5	60.4	63.9	59.2	Night	Lighting generators	47	N	Construction noise dominant. Additional noise from local traffic and New Years celebrations at local pub.
20	NCA 9	3 Eva Street, Hamilton	Fine	1/01/2015	0:37	15	Mins	General	Traffic	50.4	52.3	48.3	61.5	47	Night	Lighting generators	40	Y	Noise from Donald street traffic dominant. Additional noise from pedestrians, crickets and construction.
21	NCA 5	59 Station Street, Wickham	Fine, strong wind	1/01/2015	14:11	15	Mins	General	Wind	60.1	54.1	44.9	82.5	42.9	Day	Hand tools, reversing alarm	37	Y	Strong wind creating significant noise, inclusive of noise from wind rustling trees. Additional noise from local traffic as well as, hand tools and reversing alarms from construction activities.
22	NCA 2	10 Ivy Street, Islington	Fine, windy	1/01/2015	14:40	15	Mins	Building installation	Construction	58.1	59.3	48.8	72.3	47.3	Day	Power tools, reverse quackers	47	N	Building installation was predicted to be finished earlier. Construction noise dominant. Additional noise from local traffic.
23	NCA 1	25 Fern Street, Islington	Fine, windy	1/01/2015	14:59	15	Mins	Building installation	Traffic	61.9	61.6	48.7	81.8	47	Day	Hand tools, light vehicle movements	48	Y	Noise from traffic dominant. Strong winds appeared to affect reading. Additional noise from construction.
24	NCA 5	59 Station Street, Wickham	Fine, light wind	1/01/2015	21:23	15	Mins	GST	Construction	55.8	56.1	54.5	70	53.8	Night	Lighting generators, light vehicle movement, reverse quackers, radios	43	N	Construction noise dominant. Minimal additional noise from local traffic.
25	NCA 9	3 Eva Street, Hamilton	Fine	1/01/2015	21:54	15	Mins	Walkways	Traffic	51.3	52.8	49.5	59.4	48.5	Night	Lighting generators, excavator, reversing alarm.	45	Y	Multiple sources of noise. Noise from traffic dominant. Additional noise from construction and local wildlife.
26	NCA 8	1 Selma Street, Newcastle West	Fine	1/01/2015	22:20	15	Mins	General	Traffic	56.4	59.2	49.6	73.2	47.1	Night	Lighting generators, reversing alarm, reverse quackers.	44	Y	Noise from local traffic dominant. Additional noise from construction and crickets
27	NCA 2	10 Ivy Street, Islington	Fine	1/01/2015	23:25	15	Mins	General	Construction	60.9	61.3	60.4	64.6	59.7	Night	Lighting generators	47	N	Noise from lighting generators dominant. Additional noise from local traffic and bats.
28	NCA 1	25 Fern Street, Islington	Fine	1/01/2015	23:44	15	Mins	General	Construction	50.2	49.5	45.1	68.7	43.7	Night	Lighting generators	37	N	Largest levels of noise from local traffic. Significant noise from construction. Additional noise from crickets.
29	NCA 9	3 Eva Street, Hamilton	Fine	2/01/2015	21:07	15	Mins	Walkways	Traffic	51.7	54.3	46.6	66.4	45.7	Night	Lighting generator, power tools.	45	Y	Noise from traffic dominant. Additional noise from construction, television at local residence and bugs.
30	NCA 8	1 Selma Street, Newcastle West	Fine	2/01/2015	21:32	15	Mins	General	Traffic	58.3	61.9	51.4	72.8	49.9	Night	Lighting generator	44	Y	Noise from traffic dominant. Minimal additional noise from construction.
31	NCA 2	10 Ivy Street, Islington	Fine	2/01/2015	23:54	15	Mins	General	Construction	62.8	64	60.8	73.1	59.2	Night	Lighting generator, excavator, reverse quackers.	47	N	Construction noise dominant. Minimal additional noise from local traffic.
32	NCA 1	25 Fern Street, Islington	Fine	3/01/2015	0:13	15	Mins	General	Mixed: multiple sources	53.9	54.5	50.5	67.3	49	Night	Lighting generators	37	N	Multiple sources of noise, including: traffic, local pub, bugs and construction. Main source of noise not discernable.
33	NCA 5	59 Station Street, Wickham	Fine	3/01/2015	0:40	15	Mins	GST	Construction	60.7	64.2	56.6	72.2	55.9	Night	Power tools, lighting generators, workers talking.	43	N	Construction noise dominant. Minimal additional noise from local traffic and local pub.
34	NCA 9	3 Eva Street, Hamilton	Fine, light wind	3/01/2015	20:13	15	Mins	General	Traffic	51.4	54.6	46.6	60.2	44.6	Night	None	40	Y	Noise from traffic dominant. Additional noise from wind rustling trees, avifauna and television at local residence.
35	NCA 2	10 Ivy Street, Islington	Fine, light wind	3/01/2015	20:38	15	Mins	General	Construction	61.8	63	60.2	64.9	58.6	Night	Lighting generators	47	N	Noise from construction dominant. Minimal additional noise from local traffic, rustling of wind in trees and traffic controllers talking.
36	NCA 1	25 Fern Street, Islington	Fine, light wind	3/01/2015	20:56	15	Mins	General	Bugs	54.3	52.9	48.8	74.1	47.5	Night	Lighting generators	37	N	Large amount of noise from bugs calling. Additional noise from local traffic, bats, construction and the testing of the Beaumont street level crossing alarm.

37	NCA 5	59 Station Street, Wickham	Fine, light wind	3/01/2015	21:54	15	Mins	GST	Construction	61.1	62.4	56.2	83.7	55.3	Night	Lighting generators, power tools.	43	N	Noise from construction dominant. Additional noise from live music at local pub, running of test train, pedestrians and local traffic.
38	NCA 8	1 Selma Street, Newcastle West	Fine	4/01/2015	1:22	15	Mins	General	Mixed: construction & traffic	54.1	56.6	50.8	63.3	49.7	Night	Lighting generators.	44	N	Noise from local traffic and construction. Main source not discernable.
39	NCA 9	3 Eva Street, Hamilton	Fine	4/01/2015	19:51	15	Mins	General	Traffic	49.1	52.7	44	59.1	42.4	Night	None.	40	Y	Noise from traffic dominant. Additional noise from avifauna, train activity, television at local residence, and barking dog.
40	NCA 2	10 Ivy Street, Islington	Fine	4/01/2015	20:15	15	Mins	General	Petrol powered, remote control car	60.5	63.1	48.4	79.4	47.1	Night	None.	47	Y	Remote controlled, petrol powered model car was dominant source of noise. Additional noise from fauna, local traffic and train activity.
41	NCA 1	25 Fern Street, Islington	Fine	4/01/2015	20:34	15	Mins	General	Traffic	53.2	55.1	46.2	70.7	44.9	Night	None.	37	Y	Noise from local traffic dominant. Additional noise from train activity, live music at local pub and calling of bugs. No discernable noise from construction site.
42	NCA 8	1 Selma Street, Newcastle West	Fine	4/01/2015	21:02	15	Mins	General	Traffic	57.3	60.4	51.2	68	49.4	Night	Lighting generators	44	Y	Noise from local traffic dominant. Additional noise from train activities, fauna and construction activities.
43	NCA 5	59 Station Street, Wickham	Fine	4/01/2015	21:54	15	Mins	GST	Construction	53.4	54	52.6	62	51.4	Night	Lighting generators	43	N	Construction noise dominant. Minimal additional noise from local traffic and rustling of wind in trees.

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