

## Appendix B: Noise Monitoring Results

Time	L <sub>AEQ</sub> (dB(A))	L <sub>A90</sub> (dB(A))	L <sub>AMAX</sub> (dB(A))	L <sub>AMIN</sub> (dB(A))	Comments
<b>Monitoring Location 1</b>					
0727-0742	54.7	45.6	65.8	43.9	Road traffic on the local road network. Birdsong. Distant hum from Brunner Mond. Freight rail movement. Aircraft over flights.
1211-1226	55.5	48.0	63.4	43.9	Road traffic on Manchester Road. Birdsong.
1429-1444	56.4	49.4	65.0	45.6	Road traffic on Manchester Road dominant. Hum from Brunner Mond audible. Occasional aircraft over flights.
1816-1831	54.7	48.3	65.0	44.3	Road traffic on Manchester Road. Aircraft over flight. Birdsong.
2052-2107	52.1	45.3	62.0	43.2	Road traffic on Manchester Road. Birdsong. Aircraft over flight.
2253-2308	49.1	41.4	62.8	39.9	Occasional road traffic on Manchester Road. Occasional aircraft over flights. Distant hum of Brunner Mond.
0126-0141	49.2	42.1	65.7	41.3	Hum and creaks from Brunner Mond. Road traffic on Manchester Road. Aircraft over flight.
0430-0445	46.0	43.2	61.3	42.1	Road traffic on Manchester Road. Birdsong. Hum from Brunner Mond.
<b>Monitoring Location 2</b>					
0750-0805	47.8	39.7	63.1	37.2	Road traffic on the local road network. Birdsong. Aircraft over flights. Dogs barking.
1017-1032	49.3	38.2	63.7	35.8	Distant road traffic on the local road network. Birdsong. Aircraft over flights. Hum from Brunner Mond.
1248-1303	49.8	45.0	64.0	42.9	Road traffic on the local road network. Occasional aircraft over flight. Constant hum from the Brunner.
1456-1511	45.1	40.0	59.2	38.1	Faint noise of road traffic on the local road network. Distant hum from Brunner Mond. Dogs barking. Birdsong audible.
1840-1855	48.4	45.1	57.5	43.4	Road traffic on local road network. Birdsong. Dog barking. Aircraft over flight. Hum from Brunner Mond.
2116-2131	45.1	42.9	60.0	41.4	Distant hum of road traffic on the local road traffic. Occasional birdsong. Rail movement. Aircraft over flights.
2321-2336	50.3	43.7	66.9	41.8	Hum from Brunner Mond and venting of steam. Aircraft over flight.
0153-0208	43.1	41.8	49.7	40.9	Hum and occasional bang from Brunner Mond.
0454-0509	55.2	43.3	68.7	39.6	Birdsong dominant. Occasional aircraft over flight. Hum from Brunner Mond.
<b>Monitoring Location 3</b>					
0811-0826	47.1	37.4	57.9	33.4	Distant road traffic on the local road network. Birdsong. Occasional aircraft over flight.
1038-1053	45.0	38.0	60.5	35.8	Distant road traffic on the local road network. Birdsong. Aircraft over flights. Hum from Brunner Mond.

1311-1326	49.2	42.7	64.0	41.4	Road traffic on the local road network. Birdsong. Occasional aircraft over flights. Hum from Brunner Mond.
1521-1536	52.6	37.1	69.6	34.8	Distant hum of road traffic on local road network. Distant hum from Brunner Mond. Occasional aircraft over flights. Dog barking.
1901-1916	48.4	42.9	63.3	41.3	Distant road traffic on local road network. Aircraft over flight. Motorbikes on local road network resulting in peaks.
2137-2152	44.0	38.4	58.0	36.8	Road traffic on the local road network. Aircraft over flights. Hum from Brunner Mond.
2348-0003	48.8	41.5	64.9	39.7	Hum from Brunner Mond. Occasional distant road traffic noise. Aircraft over flight.
0217-0232	42.1	39.9	63.0	39.3	Hum and occasional bangs and squeals from Brunner Mond.
0517-0532	43.6	37.9	54.3	34.8	Birdsong. Hum from road traffic on M6 and Brunner Mond. Aircraft over flight.
<b>Monitoring Location 4</b>					
0855-0910	47.6	37.3	59.2	34.4	Birdsong dominant. Distant road traffic on the local road network. Frequent aircraft over flights.
1148-1203	47.8	35.8	69.5	33.7	Birdsong dominant. Very distant road traffic noise. Aircraft over flights. Rail movements. Dogs barking.
1336-1351	51.1	43.9	67.0	42.4	Occasional rail movements. Occasional aircraft over flights. Dogs Barking. Distant hum from Brunner Mond. Birdsong.
1616-1631	49.9	39.9	64.1	37.6	Aircraft over flights. Distant road traffic on the local road network
1943-1958	48.7	42.3	62.8	40.2	Distant road traffic on the local road network. Frequent aircraft over flights. Dog barking.
2216-2231	39.2	34.4	52.1	32.3	Road traffic on the local road network. Aircraft over flights. Birdsong. Distant hum from Brunner Mond.
0035-0050	42.7	40.3	53.1	38.9	Hum from Brunner Mond. Distant hum of road traffic. Rail movement.
0343-0358	41.7	38.4	50.4	37.2	Birdsong dominant. Occasional aircraft over flight.
0604-0619	42.9	38.5	62.9	36.7	Hum of distant road traffic on the local road network. Birdsong. Hum from Brunner Mond.
<b>Monitoring Location 5</b>					
0939-0954	64.9	51.5	73.9	44.2	Road traffic on Manchester Road. Birdsong. Aircraft over flights.
1122-1137	64.5	52.0	73.0	44.9	Road traffic on Manchester Road. Birdsong. Occasional vehicle on Ann Street.
1405-1420	66.1	56.6	74.1	48.2	Road traffic on the local road network. Occasional aircraft over flights.
1641-1656	66.0	54.4	73.8	47.1	Road traffic on the local road network. Occasional aircraft over flight.
2006-2021	64.1	48.0	74.4	42.3	Road traffic on Manchester Road. Birdsong. Aircraft over flights.
2242-2257	59.5	41.2	72.8	39.5	Road traffic on Manchester Road. Hum

					from Brunner Mond. Aircraft over flights.
0101-0116	55.7	40.8	73.7	40.0	Road traffic on Manchester Road. Hum from Brunner Mond. Rail movement.
0407-0422	55.9	40.9	76.1	38.4	Road traffic on Manchester Road.
0629-0644	63.8	42.8	78.3	39.7	Road traffic on Manchester Road. Aircraft over flights. Birdsong.
<b>Monitoring Location 6</b>					
0829-0844	47.7	39.2	62.1	37.1	Distant road traffic on the local road network. Aircraft over flights. Rail movement.
1055-1110	47.3	36.6	62.5	34.9	Distant road traffic on the local road network. Birdsong. Hum from Brunner Mond. Aircraft over flights.
1550-1605	47.6	37.2	68.1	65.8	Distant hum of road traffic and Brunner Mond. Birdsong. Occasional aircraft over flights.
1918-1933	46.4	44.2	52.6	41.9	Road traffic on the local road network. Birdsong. Aircraft over flight.
2155-2210	43.9	37.1	60.0	35.8	Distant road traffic on the local road network. Occasional birdsong. Aircraft over flight.
0007-0022	52.8	42.1	67.6	40.3	Hum and grinding from Brunner Mond. Occasional aircraft over flight.
0238-0253	45.1	43.6	48.5	42.6	Hum from Brunner Mond.
0535-0550	50.5	39.3	64.4	37.4	Hum from road traffic on the local road network. Occasional aircraft over flight. Birdsong.