

Aberdeen Western Peripheral Route
Environmental Statement Appendices 2007
Part D: Fastlink
Appendix A45.1 – Summary of Short Term Noise Monitoring

Location	Period	Start Date	Start Time (hh:mm)	Duration (hh:mm)	Noise Level (dB)			Weather			Comments
					L _{Aeq,T}	L _{A10,T}	L _{A90,T}	Wind speed (Average m/s) & Direction	Direction	Conditions	
Blaikiewell Mill	Weekday AM	05/07/2006	11:54	00:30	48.1	48.8	36.7	3.0 S	Sunny, Dry	Lawnmower noise at start of measurement in distance, aircraft passing (x4), Dogs barking at 12:03 hrs	
	Weekday PM	05/07/2006	15:43	00:30	51.1	53.6	46.9	4.5 S	Sunny, Dry	Children playing in garden next door throughout measurement, Aircraft overhead passing (x3)	
Greens of Crynoch	Weekday AM	06/07/2006	11:38	00:30	40.6	43.4	30.2	3.0 W	Sunny, Dry	Cars passing on access road (x7) during measurement period, a helicopter passed at 11:48 hrs.	
	Weekday PM	06/07/2006	15:36	00:30	45.8	43.0	33.0	0 N/A	Sunny, Dry	Cars passing on access road (x5) during measurement period, aircraft passed at 15:45hrs.	
Crossley	Weekday AM	21/07/06	10:21	00:30	41.9	45.4	25.2	0 N/A	Sunny	5 x aircraft passing overhead during measurement period.	
	Weekday PM	07/09/06	16:12	00:30	53.8	57.5	36.0	<3.4 SW	Sunny Spells, Dry	Van movement in driveway at 16:28 hrs.	
Lee Meng	Weekday AM	21/07/06	10:21	00:30	41.9	45.4	25.2	0	Sunny	5 x aircraft passing overhead during measurement period.	
	Weekday PM	07/09/06	16:12	00:30	53.8	57.5	36.0	<3.4 SW	Sunny Spells, Dry	Van movement in driveway at 16:28 hrs.	
North Rothnick	Weekday AM	13/07/2006	09:48	00:30	38.9	41.9	32.2	0 N/A	Sunny, Dry	Aircraft passing at 10:12hrs.	
	Weekday PM	13/07/2006	13:49	00:30	38.1	35.0	28.0	0 N/A	Sunny, Dry	Aircraft passing at 13:51 hrs., Door closed at 14:09hrs.	

Aberdeen Western Peripheral Route
Environmental Statement Appendices 2007
Part D: Fastlink
Appendix A45.1 – Summary of Short Term Noise Monitoring

Location	Period	Start Date	Start Time (hh:mm)	Duration (hh:mm)	Noise Level (dB)			Weather			Comments
					L _{Aeq,T}	L _{A10,T}	L _{A90,T}	Wind speed (Average m/s) & Direction	Direction	Conditions	
Meadowbank	Weekday AM	06/07/2006	10:43	00:30	42.2	40.9	31.3	3.0 S	Sunny, Dry	Car passing on access road (x2), Aircraft passing during measurement period.(x3)	
	Weekday PM	06/07/2006	14:46	00:30	38.4	40.9	34.4	2.6 S	Sunny, Dry	Aircraft passing during measurement period (x2)	
Cookney Croft	Weekday AM	24/05/2006	11:15	00:30	48.9	51.2	39.0	2.2 SW	Sunny, Dry spells, light rain shower	Car passing on access road (x3) during measurement period,	
	<u>Afternoon measurement not undertaken: dogs on property.</u>										
Mains of Cookney	Weekday AM	13/07/2006	11:26	00:30	35.7	37.3	26.5	0 N/A	Sunny, Dry	Tractor passed nearby at 11:33 hrs, Aircraft passed at 11:46 hrs	
	Weekday PM	13/07/2006	14:30	00:30	35.9	37.6	27.5	0 N/A	Sunny, Dry	Tractor passed nearby with trailer at 14:48 hrs Aircraft (x2) passed during the measurement period.	
Gowanlea	Weekday AM	21/07/06	11:14	00:30	54.2 48.1*	42.1	28.6	0 N/A	Sunny	5 x cars pass *Distance corrected L _{Aeq}	
	Weekday PM	07/09/06	17:01	00:30	58.3	46.9	36.1	<4.6 W	Overcast, Dry	10 x cars pass during the measurement period.	
Erick Cottar House	Weekday AM	26/07/2006	12:24	00:30	40.0	43.0	32.5	0 N/A	Sunny, Dry	Aircraft passing (x2), Cars (x2) pulled out of driveway during the measurement period.	
	Weekday PM	26/07/2006	15:38	00:30	41.9	45.6	33.0	0 N/A	Sunny, Dry	Aircraft (x2), tractor on access lane at 16:05 hrs, car entered driveway at 16:06 hrs.	
Burnside Farm	Weekday AM	26/07/2006	11:36	00:30	40.1	42.8	33.8	1.8 SW	Overcast	Aircraft passed (x2)	

Aberdeen Western Peripheral Route
Environmental Statement Appendices 2007
Part D: Fastlink
Appendix A45.1 – Summary of Short Term Noise Monitoring

Location	Period	Start Date	Start Time (hh:mm)	Duration (hh:mm)	Noise Level (dB)			Weather			Comments
					L _{Aeq,T}	L _{A10,T}	L _{A90,T}	Wind speed (Average m/s) & Direction	Direction	Conditions	
	Weekday PM	26/07/2006	15:00	00:30	37.3	38.8	32.6	0 N/A		Dry, Sunny spells	Aircraft passed (x3), Dog barking at 15:14 hrs.
Strathgyle Cottage	<u>Access denied.</u>										
Broomhill Cottage	Weekday AM	12/07/2006	12:17	00:30	46.4	45.4	35.8	2.5 S		Overcast	Car passed on access road (x2), Aircraft passed at 12:38 hrs.)
	Weekday PM	12/07/2006	16:10	00:30	51.2	44.3	34.3	0 N/A		Overcast	A number of cars passed on access road to the west.
Fishermyle	Weekday AM	08/09/06	10:53	00:30	50.2	52.6	43.2	<1.7 NW		Sunny Spells, Dry	Aircraft passing (x2), A tractor and van passed on access road during the measurement period.
	Weekday PM	08/09/06	14:06	00:30	48.6	49.0	43.4	<3.3 NW		Sunny Spells, Dry	Aircraft passed at start of measurement. A, van and car passed on access road during the measurement period.
Kempstone Hill	Weekday AM	12/07/2006	11:30	00:30	44.6	46.0	38.6	3.7 S		Overcast	Aircraft passing at 11:39 hrs.
	Weekday PM	12/07/2006	15:26	00:30	43.6	46.1	39.2	<4.7 S		Overcast	Aircraft passing at 15:28 hrs
Ardchoille	Weekday AM	26/07/2006	10:45	00:30	42.3	44.6	36.2	3.6 E		Overcast	Aircraft passed (x2) during the measurement period.
	Weekday PM	26/07/2006	14:20	00:30	42.0	43.3	38.6	3.1 E		Dry, sunny spells	Aircraft passed (x2) during the measurement period.
Bayview Ury	Weekday AM	12/07/2006	10:43	00:30	62.8	65.0	54.0	2.0 S		Overcast	Steady road traffic noise present throughout measurement period.

Aberdeen Western Peripheral Route
Environmental Statement Appendices 2007
Part D: Fastlink
Appendix A45.1 – Summary of Short Term Noise Monitoring

Location	Period	Start Date	Start Time (hh:mm)	Duration (hh:mm)	Noise Level (dB)			Weather			Comments
					L _{Aeq,T}	L _{A10,T}	L _{A90,T}	Wind speed (Average m/s) & Direction	Direction	Conditions	
	Weekday PM	12/07/2006	14:42	00:30	63.7	66.3	55.8	0 N/A		Overcast	Steady road traffic noise present throughout measurement period.
Megray House	Weekday AM	16/08/06	12:35	00:30	42.4	43.4	39.2	0 N/A		Overcast, dry	Property door closed (x3) during measurement period.
	Weekday PM	16/08/06	17:20	00:30	44.3	44.0	40.6	0 N/A		Overcast, dry	Aircraft passed (x2) during measurement period.
3 Mains of Ury	Weekday AM	04/04/2007	09:24	00:30	61.0	64.0	54.6	0 Sheltered		Sunny, dry	Continuous flow of road traffic noise from the A90 to the east.
	Weekday PM	04/04/2007	13:58	00:30	66.5	69.4	61.0	0 Sheltered		Sunny, dry	Continuous flow of road traffic noise from the A90 to the east.
Foresters Croft	Weekday AM	04/04/2007	10:13	00:30	50.4	54.4	31.8	0 Sheltered		Sunny, dry	Birdsong, occasional car passes on B979
	Weekday PM	04/04/2007	14:39	00:30	49.3	52.8	36.1	0 Sheltered		Sunny, dry	Birdsong, occasional car passes on B979
Curlews Cottage	Weekday AM	04/04/2007	11:04	00:30	43.4	46.0	35.6	2.4 W		Sunny, dry	At 11:10 hrs water running in drain and extractor fan on property wall started. 11:20 hrs aircraft passed and 11:23hrs extractor fan ceased.
	Weekday PM	04/04/2007	15:21	00:30	39.5	40.5	33.3	0 Sheltered		Sunny, dry	Birdsong present

Aberdeen Western Peripheral Route
Environmental Statement Appendices 2007
Part D: Fastlink
Appendix A45.1 – Summary of Short Term Noise Monitoring

Instrumentation used for Monitoring (at all locations except Cookney Croft)

Brüel & Kjær Sound Analyser Type 2250
Serial Number 2507254

Brüel & Kjær Microphone Type 4189
Serial Number 2542984

Brüel & Kjær BZ 5503 – Utility Software for Hand-held Analyzers

Brüel & Kjær Sound Level Calibrator Type 4231
Serial Number 2389067

Cookney Croft

Brüel & Kjær Sound Analyser Type 2260
Serial Number 2391258

Brüel & Kjær Microphone Type 4189
Serial Number 2470805

Bruel & Kjaer Sound Analysis Software BZ 7206

Brüel & Kjær Sound Level Calibrator Type 4230
Serial Number 2389067