

# Aberdeen Western Peripheral Route

Environmental Statement 2007

## Part C: Southern Leg

### Appendix A30.1- Summary of Short Term Noise Monitoring; Instrumentation Used; Meteorological Conditions

Location	Period	Start Date	Start Time (hh:mm)	Duration (hh:mm)	Noise Level (dB)			Weather			Comments
					L <sub>Aeq,T</sub>	L <sub>A10,T</sub>	L <sub>A90,T</sub>	Wind Speed (m/s) & Direction	Direction	Conditions	
Westholme	Weekday AM	11/07/2006	09:50	00:30	53.1	56.2	47.9	4.4 S		Overcast, Dry	Aircraft passed at 10:05 hours.
	Weekday PM	11/07/2006	13:34	00:30	50.4	53.5	44.8	3.7 S		Dry, Sunny spells	Aircraft and helicopter passed overhead, throughout measurement. Tractors passed on a local road during the measurement.
Ardenlea	Weekday AM	28/06/2006	10:02	00:30	68.1	71.6	57.6	1.8 E		Sunny.	Continuous traffic on A944 throughout measurement. Aircraft passing at 10:15 hours.
	Weekday PM	28/06/2006	13:58	00:30	67.9	71.5	57.8	3.8 E		Sunny.	Continuous traffic on A944 throughout measurement. Aircraft passing at 14:15 hours.
Clark & Sutherland	Weekday AM	28/06/2006	10:52	00:30	62.3	65.7	60.8	1.2 E		Sunny, Dry	Car in car park and aircraft passing at 11:03 hours. Use of grinder in vehicle workshop at 11:07 and 11:11 hours.
	Weekday PM	28/06/2006	14:38	00:30	61.5	64.6	60.3	<5 E		Sunny, Dry	Air craft passing at 14:43 hours. car horn at 14:53 ours
Hillview	Weekday AM	28/06/2006	11:31	00:30	42.6	44.1	38.5	2.8 E		Sunny, Dry	Woman talked for approx 1 min near microphone at 11:39 hours. Car movement in driveway at 11:49 hours. Air craft passing at 12:00 hours.
	Weekday PM	28/06/2006	15:29	00:30	46.5	48.6	42.9	<5 E		Sunny, Dry	Aircraft passing and sneeze at 15:32 hours.
Benview	Weekday AM	28/06/2006	12:16	00:30	49.6	41.7	32.9	1.5 SE		Sunny, Dry	Car passes on access road (x4), Air craft passes (x3).
	Weekday PM	28/06/2006	16:04	00:30	52.2	45.6	36.2	4.6 E		Sunny, Dry	Car passes on access road (x4), Air craft passes (x3).

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Tigh-na-Bruaich	Weekday AM	29/06/2006	09:56	00:30	38.5	41.1	32.5	4.8 S		Dry, Sunny spells	Aircraft passing (x3). A dog barking at 10:21 hours.
	Weekday PM	06/09/06	16:34	00:30	48.8	50.3	45.7	<3.2 NE		Cloudy, Dry	Aircraft passing (x2). At 16:47 hours a helicopter passed in the distance.
Craiglug	Weekday AM	29/06/2006	11:52	00:30	44.6	46.4	37.8	3.8 SW		Dry, Sunny spells	Air craft passing (x2). Tractor working in distance at 12:00 hours.
	Weekday PM	07/07/2006	15:41	00:30	45.4	49.7	32.5	0 N/A		Sunny, Dry	Motorbike passing at 15:51 hours. Helicopter passing at 15:56 hours. Aircraft passing at 16:06 hours.
Gairn Farm	Weekday AM	29/06/2006	11:00	00:30	38.6	41.5	33.1	>5 S		Dry, Sunny spells	Aircraft passing (x4).
	Weekday PM	07/07/2006	14:57	00:30	44.0	41.0	26.8	2.3 N		Sunny, Dry	Helicopter passing at 15:01 hours. Tractor entered yard at 15:08, hours. Aircraft passing at 15:24 hours.
Broomhill	Weekday AM	07/09/06	12:17	00:30	46.9	50.1	40.9	<1.3 NE		Overcast, Light Rain	Aircraft passing (x4) during measurement.
	Weekday PM	07/09/06	14:23	00:30	45.7	47.6	41.7	<2.5 NE		Overcast, Dry	Aircraft passing at 14:27 hours.
Ardnamoine	Weekday AM	30/06/2006	10:03	00:30	45.7	48.0	38.9	2 W		Dry, Slightly Overcast	Aircraft passed at 10:08 hours
	Weekday PM	06/09/06	17:15	00:30	49.3	53.1	40.1	0 N/A		Overcast, Dry	Door Closed at 17:30 hours, Car left driveway at 17:32 hours.
Gairn Park	Weekday AM	30/06/2006	10:03	00:30	52.9	48.0	36.6	4.7 S		Dry, Slightly overcast	Aircraft passing (x4) during measurement.
	Weekday PM	07/09/06	13:48	00:30	39.3	41.7	34.3	<1.8 SSW		Overcast, Dry	Aircraft passing (x2), Car entered driveway at 13:57 hours

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					L <sub>Aeq,T</sub>	L <sub>A10,T</sub>	L <sub>A90,T</sub>	Wind Speed (m/s) & Direction	Direction	Conditions	
Beanshill Lodge	Weekday AM	30/06/2006	11:51	00:30	47.4	48.5	40.1	3.3 S		Dry, Slightly overcast	Air craft passing (x3), A tractor working in nearby field (ongoing).
	Weekday PM	11/07/2006	15:39	00:30	41.0	44.8	32.0	3.4 N		Dry, Sunny spells	Air craft passing at 15:48 hours. Car movement in driveway at 15:58.
1 Hill Farm	Weekday AM	30/06/2006	12:35	00:30	48.9	48.5	35.8	5 SE		Slightly overcast, light rain.	Air craft (x2), cars (x4)
	Weekday PM	06/09/06	15:31	00:30	46.0	47.0	35.3	0 N/A		Sunny, Dry	Cars(x2) and Tractor passed meter, Air Craft (15:39)
Nether Beanshill Farm	Weekday AM	05/07/2006	10:13	00:30	60.5	63.6	37.0	2.5 S		Sunny, Dry.	Farm very busy with a lot of activity.
	Weekday PM	05/07/2006	14:09	00:30	58.7	49.0	36.5	2.3 S		Sunny, Dry	Dogs barking at 14:11, 14:35 hours. General work activity on farm.
Golf Course	Weekday AM	16/08/06	11:19	00:30	43.6	45.5	40.6	0 N/A		Overcast, dry	Lawnmower passed on lane at 11:21, Children passed on lane at 11:27.
	Weekday PM	16/08/06	15:59	00:30	45.8	47.2	40.1	0 N/A		Overcast, dry	Air craft passed (x6)
Croft House	Weekday AM	05/07/2006	11:02	00:30	47.1	46.2	36.2	0 N/A		Sunny, Dry	Air craft passing (x3). Cars passing on Culter House Road (x4).
	Weekday PM	05/07/2006	14:53	00:30	46.1	47.1	40.3	0 N/A		Sunny, Dry	Door closed at 14:54, 15:04 hours. Cars passing on Culter House Road(x3)
69B Culter House Road	Weekday AM	07/09/06	11:08	00:30	47.2	49.6	43.2	0 N/A		Sunny, Dry	Aircraft passing (x2)
	Weekday PM	06/09/06	14:50	00:30	44.0	45.0	41.0	0 N/A		Overcast, Dry	Aircraft passing at 14:59 hours.
East Lodge	Weekday AM	13/09/06	11:10	00:30	47.1	49.6	43.7	2.3 SW		Overcast, Dry	Aircraft passing (x5). Some road works to west of property

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					L <sub>Aeq,T</sub>	L <sub>A10,T</sub>	L <sub>A90,T</sub>	Wind Speed (m/s) & Direction	Direction	Conditions	
	Weekday PM	12/09/06	16:41	00:30	50.0	51.2	46.7	2.6 W		Sunny, Dry	Car pass (x2), whistle (16:45)
The Stables	Weekday AM	28/07/2006	12:34	00:30	46.8	47.3	41.1	0 N/A		Dry, Sunny spells	Aircraft passing at 12:36, 12:51 hours.
	Weekday PM	28/07/2006	14:06	00:30	47.7	48.4	42.2	0 N/A		Sunny, Dry	Aircraft at start of measurement (approx 20 seconds). Aircraft passing (x4) during measurement.
Hawkhill House Residential Nursing Home	Weekday AM	28/07/2006	10:01	00:30	54.6	55.5	43.6	0 N/A		Overcast	Van movement in driveway at 10:18 hours. Cars passing (x2) at 10:23 hours on driveway.
	Weekday PM	28/07/2006	14:50	00:30	52.7	55.3	46.3	0 N/A		Sunny, Dry	People talking nearby at 15:13 hours. Car passing at 15:18 hours on driveway. Aircraft passing at 15:19 hours.
Culter House Nursing Home	<b><u>Derelict building – Measurement not taken.</u></b>										
Pavilion	Weekday AM	07/07/2006	09:51	00:30	54.2	56.5	44.2	0 N/A		Sunny, Dry	Children playing games outside throughout measurement
	Weekday PM	07/07/2006	13:35	00:30	70.7	74.5	49.8	0 N/A		Sunny, Dry	Children playing games outside throughout measurement
381 North Deeside Road	Weekday AM	13/09/06	10:27	00:30	73.8	78.3	53.9	2.3 W		Sunny Spells, Dry	Dominant noise from road traffic passing on A93.
	Weekday PM	12/09/06	14:23	00:30	74.9	78.6	56.8	3.7 W		Sunny Spells, Dry	Dominant noise from road traffic passing on A93.

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					L <sub>Aeq,T</sub>	L <sub>A10,T</sub>	L <sub>A90,T</sub>	Wind Speed (m/s) & Direction	Direction	Conditions	
Kippie Lodge, Aberdeen Petroleum Club	Weekday AM	16/08/06	10:17	00:30	48.0	50.6	44.2	0 N/A		Overcast, dry	People walked past (x3) talking.
	Weekday PM	16/08/06	15:13	00:30	55.0	57.9	46.7	0 N/A		Overcast, dry	People walked past (x4) talking.
International School of Aberdeen	Weekday AM	07/09/06	10:29	00:30	54.4	56.6	49.0	0 N/A		Sunny, Dry	Some children playing nearby at start of measurement.
	Weekday PM	06/09/06	13:53	00:30	51.8	53.0	47.3	0 N/A		Sunny, Dry	Aircraft passing at 13:56 hours, people talking nearby at 14:01, 14:05 hours.
1 Milltimber Brae East	Weekday AM	15/08/06	12:12	00:30	60.6	63.8	50.9	0 N/A		Overcast, dry	Aircraft passes (x4)
	Weekday PM	15/08/06	17:05	00:30	62.4	65.1	56.4	0 N/A		Overcast, dry	Aircraft passes (x3)
The Siding	Weekday AM	07/07/2006	11:27	00:30	46.6	49.4	41.4	0 N/A		Slightly overcast, Dry.	Car horn at 11:36 hours, Motorbike passing at 11:39 hours, Car door closed at 11:54
	Weekday PM	27/06/2006	16:20	00:30	52.9	55.0	47.2	0 N/A		Dry, Sunny spells	Aircraft passes (x3). Car movement in driveway at 16:21, 16:45 hours
Camphill	<b><u>Camphill – see Appendix A30.3</u></b>										
The Gables	Weekday AM	28/07/2006	10:49	00:30	57.6	61.9	41.9	1.3 S		Overcast, Dry.	Steady road traffic passing throughout measurement Aircraft passing (x2)
	Weekday PM	28/07/2006	15:26	00:30	60.1	63.6	48.7	1.7 S		Overcast, some rain	Steady road traffic passing throughout measurement Aircraft passing (x3)

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					L <sub>Aeq,T</sub>	L <sub>A10,T</sub>	L <sub>A90,T</sub>	Wind Speed (m/s) & Direction	Direction	Conditions	
Old Mill Inn	Weekday AM	07/07/2006	10:38	00:30	52.7	53.7	44.9	0 N/A		Slightly overcast, Dry.	Steady road traffic noise from the B9077 and B979
	Weekday PM	27/06/2006	15:28	00:30	52.6	55.4	46.6	5 SSE		Dry, Light breeze	Steady road traffic noise from the B9077 and B979
North Lodge	Weekday AM	27/06/06	10:44	00:30	59.0	61.8	38.4	3.8 SW		Dry, sunny spells	Steady road traffic noise from the B9077 throughout measurement.
	Weekday PM	15/08/06	16:24	00:30	60.4	63.5	42.1	0 N/A		Overcast, dry	Motorbikes passed on B9077 (x5) during measurement period.
Kingcausie	Weekday AM	27/06/06	10:04	00:30	49.6	53.9	36.4	0 N/A		Dry, sunny spells	Small aircraft passing at start of measurement. Aircraft passing at 10:28 hours.
	Weekday PM	27/06/06	14:45	00:30	51.5	56.7	36.0	0 N/A		Dry, sunny spells	Aircraft passing (x3) during measurement period.
Eastland Cottage	Weekday AM	14/08/06	10:19	00:30	45.0	47.1	39.0	0 N/A		Overcast, light rain	Helicopter passing at 10:46 hours. Car with modified engine passed in distance at 10:48 hours.
	Weekday PM	14/08/06	13:30	00:30	47.0	49.8	40.9	0 N/A		Overcast	Aircraft passing at 13:39 hours.
2 Eastland House	Weekday AM	14/08/06	10:19	00:30	45.0	47.1	39.0	0 N/A		Overcast, light rain	Helicopter passing at 10:46 hours. Car with modified engine passed in distance at 10:48 hours.
	Weekday PM	14/08/06	13:30	00:30	47.0	49.8	40.9	0 N/A		Overcast	Aircraft passing at 13:39 hours.
Tarns	Weekday AM	28/07/06	11:38	00:30	41.1	44.8	29.3	0 N/A		Dry, sunny spells	Aircraft passing (x3) during measurement period.
	Weekday PM	15/08/06	15:39	00:30	43.2	37.2	27.4	0 N/A		Overcast	Aircraft passing (x4) during measurement period.

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Location	Period	Start Date	Start Time (hh:mm)	Duration (hh:mm)	Noise Level (dB)			Weather			Comments
					L <sub>Aeq,T</sub>	L <sub>A10,T</sub>	L <sub>A90,T</sub>	Wind Speed (m/s) & Direction	Direction	Conditions	
Burnhead Cottage	Weekday AM	15/08/06	10:28	00:30	57.0	47.3	22.7	0 N/A		Overcast, dry	Cars passing on access roads (x8) Aircraft passing (x2) throughout measurement.
	Weekday PM	15/08/06	14:06	00:30	54.1	35.2	21.8	0 N/A		Overcast, dry	Air craft (x4), cars (x6) Aircraft passing (x4), cars passing on access roads (x6) throughout measurement period.
Kemehele	Weekday AM	14/08/06	11:17	00:30	40.6	40.6	32.1	0 N/A		Overcast, light rain	Car entered driveway, dog barked at 11:42 hrs
	Weekday PM	14/08/06	14:12	00:30	42.2	44.8	35.0	0 N/A		Overcast	Aircraft passed (x3) during measurement period.
Merchants Croft	<b><u>Derelict building – Measurement not taken.</u></b>										
Newlands Farm	Weekday AM	05/07/2006	12:40	00:30	47.7	44.9	35.9	4.5 S		Sunny, Dry	Aircraft passing (x3), sneeze near microphone at 13:03.
	Weekday PM	05/07/2006	16:32	00:30	48.2	50.1	35.6	2 S		Sunny, Dry	Aircraft passing (x4), Door closing a number of times throughout measurement.
Graianan	Weekday AM	06/07/2006	12:27	00:30	50.5	40.1	29.3	1.5 S		Sunny, Dry	Aircraft passing (x5), Dog barking at 12:30hrs.
	Weekday PM	06/07/2006	16:24	00:30	50.9	48.1	30.5	2.1 S		Sunny, Dry	Helicopter passing at 16:27hrs, Aircraft passing (x5), Cars passing property (x2) during measurement period.
Bishopston Farm	Weekday AM	11/07/2006	10:52	00:30	53.3	55.5	46.5	0.5 S		Sunny, Dry	Aircraft passing (x4) during measurement period. Lorry entered yard at 11:11hrs.

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					L <sub>Aeq,T</sub>	L <sub>A10,T</sub>	L <sub>A90,T</sub>	Wind Speed (m/s) & Direction	Direction	Conditions	
	Weekday PM	11/07/2006	14:42	00:30	46.6	49.9	37.3	0.7 S		Sunny, Dry	Aircraft at 14:57 hrs, agricultural machinery noise, at 15:03 hrs.
Little Bishopston	Weekday AM	15/08/06	11:19	00:30	34.2	37.3	24.8	0 N/A		Overcast, dry	Aircraft passing (x4) during measurement period.
	Weekday PM	15/08/06	14:48	00:30	35.9	35.5	28.0	0 N/A		Overcast, dry	Aircraft passing (x3) during measurement period.
Midfield Cottage	Weekday AM	27/07/2006	11:53	00:30	45.1	45.5	34.6	0 N/A		Sunny, Dry	Man talking at start of measurement, Aircraft passing at 12:03, 12:22 hrs.
	Weekday PM	27/07/2006	14:56	00:30	43.0	41.3	30.9	0 N/A		Overcast	Aircraft passing (x3) during measurement period.
Haremooss Cottage	Weekday AM	06/07/2006	12:27	00:30	44.5	44.2	32.1	0 N/A		Sunny, Dry	Aircraft passing (x3), cars passing (x5), helicopter passed overhead (x3) during measurement period.
	Weekday PM	06/07/2006	16:24	00:30	42.0	42.2	37.3	2.6 S		Overcast, Sunny	Cars passing (x5) throughout measurement period.
The Beaches	Weekday AM	12/07/2006	09:42	00:30	42.2	43.3	39.1	1.4 S		Overcast	Van passed on access road (x3), Aircraft passed at 09:59 hrs.
	Weekday PM	12/07/2006	13:47	00:30	46.1	48.2	42.5	1.9 S		Overcast	Aircraft passed at 14:09 hrs. Car movement in driveway at 14:10 hrs, car passing on access road (x2) during measurement period.
Duffshill	Weekday AM	12/07/2006	09:42	00:30	42.2	43.3	39.1	1.4 S		Overcast	Van passed on access road (x3), Aircraft passed at 09:59 hrs.

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					L <sub>Aeq,T</sub>	L <sub>A10,T</sub>	L <sub>A90,T</sub>	Wind Speed (m/s) & Direction	Direction	Conditions	
	Weekday PM	12/07/2006	13:47	00:30	46.1	48.2	42.5	1.9 S		Overcast	Aircraft passed at 14:09 hrs. Car movement in driveway at 14:10 hrs, car passing on access road (x2) during measurement period.
Turnamiddle House	Weekday AM	20/07/06	14:15	00:30	44.2	45.7	41.0	0.0		Overcast, Dry	Dumper truck bringing soft ground material from depot to adjacent field, dozer distributing and levelling material throughout measurement period.
	Weekday PM	21/07/06	13:08	00:30	45.5	47.4	41.8	1.6		Sunny, southerly wind	Dumper truck bringing soft ground material from depot to adjacent field, dozer distributing and levelling material throughout measurement period.
Wistlebrae farmhouse	Weekday AM	20/07/06	14:59	00:30	50.8	52.8	46.8	3.6		Overcast, south westerly wind	Steady, distant road traffic noise from the A90.
	Weekday PM	21/07/06	12:25	00:30	44.4	45.5	41.2	2.3		Sunny, south-south easterly wind	Steady, distant road traffic noise from the A90. Aircraft passing (x4) during measurement period.
The Clachan	Weekday AM	20/07/06	12:39	00:30	59.9	62.6	55.1	3.6		Overcast, south westerly wind	Steady road traffic noise from the A90 approximately 20 – 25m to the west.
	Weekday PM	20/07/06	15:37	00:30	60.8	63.5	55.9	2.8		Overcast, southerly wind	Steady road traffic noise from the A90 approximately 20 – 25m to the west.

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Novara	Weekday AM	06/07/2006	09:39	00:30	59.1	60.6	53.4	0.7 S		Sunny, Dry	Aircraft passed(x4), helicopter passed at 09:50 hrs, tractor with trailer passed on access road at driveway to the north at 09:58 hrs.
	Weekday PM	06/07/2006	13:46	00:30	60.4	62.7	56.6	4 S		Sunny, Dry	Car with modified engine passed at 13:54 hrs, door closed at 14:11 hrs, car alarm at 14:14 hrs.
Brae View	Weekday AM	27/07/2006	10:16	00:30	50.9	52.9	44.1	0 N/A		Dry, Sunny spells	Aircraft passing (x2), Helicopter passing at 10:35 hrs.
	Weekday PM	27/07/2006	13:39	00:30	48.0	49.9	42.4	0 N/A		Dry, Sunny spells	Aircraft passing at 14:09 hrs.
Moss-Side of Auchlea	Weekday AM	13/09/06	12:10	00:30	47.4	47.0	37.0	1.3 SW		Overcast, Dry	Air Craft (x4)
	Weekday AM	04/04/07	12:23	00:30	35.9	38.8	31.1	0 N/A		Sunny, Dry	Aircraft passed overhead at 12:43
	Weekday PM	12/09/06	15:33	00:30	46.3	43.2	38.4	3.4 W		Sunny Spells, Dry	Air Craft(15:55), car passed on driveway(15:57)
	Weekday PM	04/04/07	17:36	00:30	47.8	49.7	43.7	0 N/A		Sunny, Dry	Aircraft passed overhead at 17:37 and 17:58
Silverburn House	Weekday AM	15/03/2007	09:47	00:30	55.4	58.3	50.3	4.0 SWW		Dry, overcast	Car passed in front of house at 9:56, 10:01 hours.
	Weekday PM	15/03/2007	14:36	00:30	54.7	57.4	49.9	2.6 S		Dry, broken cloud cover	Air craft overhead at 14:41 hours, occasional car passes on side road during measurement.
Glencairn	Weekday AM	15/03/2007	12:07	00:30	52.9	53.1	39.2	1.2 S		Dry, overcast, light shower (no affect to measurement)	Steady road traffic on front facing and parallel access roads throughout, Trucks passed at 12:10 and 12:32 hours.

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					L <sub>Aeq,T</sub>	L <sub>A10,T</sub>	L <sub>A90,T</sub>	Wind Speed (m/s) & Direction	Direction	Conditions	
	Weekday PM	14/03/2007	15:36	00:30	50.9	49.2	35.5	0 N/A		Dry, broken cloud cover	Road traffic passing throughout measurement, distant aircraft at 15:59, and 16:04 hours
47 Culterhouse Road	Weekday AM	15/03/2007	10:44	00:30	51.2	54.3	46.3	0 N/A		Dry, overcast	Tenant spoke near microphone at 10:46 hours. Distant plane overhead at 11:12 hours, frequent car passes in front of house throughout measurement.
	Weekday PM	15/03/2007	13:47	00:30	48.7	49.8	42.0	1.6 W		Dry, broken cloud cover	Occasional passing traffic during measurement and distant helicopter at 14:11 and 14:16 hours.
Holly House	Weekday AM	14/03/2007	10:02	00:30	53.7	56.5	48.0	0 N/A		Dry, overcast	Horse walking past house on Station Rd at 10:09 hours, tractor passed on B979 at 10:26 hours
	Weekday PM	13/03/2007	16:28	00:30	53.7	56.0	48.0	0 N/A		Dry, sunny.	Tenant spoke near microphone at 16:35, passing distant aircraft at 16:43 hours
Fairview	Weekday AM	13/03/2007	11:30	00:30	49.5	51.7	46.5	2.8 S		Dry, sunny, occasional cloud cover.	Distant traffic noise on A944.
	Weekday PM	13/03/2007	15:15	00:30	50.0	52.1	46.1	1.4 S		Dry, broken cloud cover	Birdsong, distant traffic noise on A944. Aircraft overhead at 15:17 hours. Two horses on access lane at 15:31 hours
4 Haremoos House	Weekday AM	15/03/2007	11:32	00:30	43.1	45.5	39.2	1.6 S		Dry, overcast	Truck passing on access rd at 11:58 hours
	Weekday PM	14/03/2007	14:45	00:30	41.3	44.3	36.1	1.6 SE		Cloudy, Dry	Van passed on access rd at 14:48 and 15:02 hours, Cars passed throughout

## **Aberdeen Western Peripheral Route**

Environmental Statement 2007

**Part C: Southern Leg**

**Appendix A30.1- Summary of Short Term Noise Monitoring; Instrumentation Used;  
Meteorological Conditions**

### **Instrumentation used for Monitoring**

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