

APPENDIX 10.3

BACKGROUND NOISE SURVEY RESULTS

Noise & Vibration Consultants Ltd

Date: Sunday 20th May 2007
 Site: Boston Road (opposite football ground)
 Client: Axis
 Project: Sleaford Renewable Energy Plant
 Data: **Position 1 - rear gardens of dwellings adjacent to railway bridge**
 Instrumentation: Norsonic 118 Real Time Analyser
 Weather Conditions: Dry, variable cloud, winds light westerly (1-2m/s), temp. 7deg to 12deg
 Calibration: 94dB

TABLE 1

Start Time	Run Time (mins.)	LAeq (dB)	LA10 (dB)	LA90 (dB)	LAmix (dB)	Comments
07:30	15:00	41.1	42.5	34	61.5	Intermittent road traffic along Boston Road
07:45	15:00	42.6	43.6	32.6	65.9	
08:00	15:00	53	47.1	33.6	84.2	
08:15	15:00	62.8	63.6	33.8	78.3	Farming activities (tractor in field)
08:30	15:00	69.2	68	36.7	87.9	Farming activities (tractor in field)
08:45	15:00	72.4	74.8	40.3	92	Farming activities (tractor in field)
09:00	15:00	73	68.6	35.1	92.6	Farming activities (tractor in field)
09:15	15:00	63.4	65.8	37.1	78.3	Farming activities (tractor in field)
09:30	15:00	69.6	73.4	51.2	84	Farming activities (tractor in field)
09:45	15:00	64.5	70.2	44.1	75.5	Farming activities (tractor in field)
10:00	15:00	61.4	67.3	39.8	72.4	Farming activities (tractor in field)
10:15	15:00	61.1	66.7	39.2	82.8	Farming activities (tractor in field)
10:30	15:00	59.5	64.9	40.3	69.3	Farming activities (tractor in field)
10:45	15:00	58.8	63.7	41.5	73.5	Farming activities (tractor in field)
11:00	15:00	53.6	57.8	40.6	72.9	
11:15	15:00	50.9	55.9	38.2	65.7	
11:30	15:00	51.9	55.3	38.6	77.6	
11:45	15:00	51.1	54.9	37.4	68.8	
12:00	15:00	48.8	51.9	36.5	74.3	
12:15	15:00	45	48.5	35.6	67.2	
12:30	15:00	49.3	51.8	39.3	73.1	
12:45	15:00	51.4	54.6	41	70.6	
13:00	15:00	47.1	44.9	33	71.2	
13:15	15:00	50.7	53.7	36.1	72.6	
13:30	15:00	48.1	51.8	38.5	68.8	
13:45	15:00	47.1	50.3	38.9	72.3	
14:00	15:00	45.3	48.3	38.6	66.2	
14:15	15:00	46.6	49.3	41.1	62.7	
14:30	15:00	47.7	51.5	39.1	61.2	
14:45	15:00	44.7	48.1	36.7	56	
15:00	15:00	44.8	48.7	35.5	59.4	
Average 0730 - 1515		63.3	56.6	38.1	72.8	
Average 0730 - 1515		49.2	50.5	37.2	68.6	Farming activities excluded

Noise & Vibration Consultants Ltd

Date: Sunday 20th May 2007
 Site: Boston Road (opposite football ground)
 Client: Axis
 Project: Sleaford Renewable Energy Plant
 Data: **Position 1 - rear gardens of dwellings adjacent to railway bridge**
 Instrumentation: Norsonic 118 Real Time Analyser
 Weather Conditions: Dry, variable cloud, winds light westerly (1-2m/s), temp. 7deg to 12deg
 Calibration: 94dB

TABLE 2

Start Time	Run Time (mins.)	LAeq (dB)	LA10 (dB)	LA90 (dB)	LAmix (dB)	Comments
15:15	15:00	42.5	45.5	34.4	62.7	Intermittent noise from road traffic on Boston Road
15:30	15:00	42.7	45.5	36.8	54.5	
15:45	15:00	44.2	47.5	38.1	57.9	
16:00	15:00	49.7	46.8	38.4	70.4	
16:15	15:00	44.1	46	35.2	71.8	
16:30	15:00	41.7	43.6	34.9	65.7	
16:45	15:00	43.9	47	37.9	55.6	
17:00	15:00	48.6	51.1	43	70	
17:15	15:00	51.3	53.4	44.4	75.1	
17:30	15:00	52.9	55.4	42.7	71.7	
17:45	15:00	46.7	49.5	42.1	61	
18:00	15:00	47.4	49.9	42.6	61.6	
18:15	15:00	48.7	50.9	42.2	71.9	
18:30	15:00	48.2	49.8	42.9	73.7	
18:45	15:00	48.6	51.6	43.2	61.8	
19:00	15:00	46.8	49.9	41.2	62.6	
19:15	15:00	47.3	49.9	42.6	63.4	
19:30	15:00	46.8	49.3	42.1	61.4	
19:45	15:00	46.4	49.1	41.4	61.7	
20:00	15:00	48.2	50.8	42.2	65.6	
20:15	15:00	46.5	49	41.5	67.7	
20:30	15:00	47.6	51.1	40.7	67.9	
20:45	15:00	47.7	50.8	42.4	65.5	
21:00	15:00	49.9	52.6	43.7	63.6	
21:15	15:00	48	50.7	43	67.7	
21:30	15:00	46	48.8	40.5	59.4	
21:45	15:00	46.5	49.3	40.2	63.6	
22:00	15:00	45.2	49.2	37.7	55.3	
22:15	15:00	44.6	48.5	36.2	57.7	
22:30	15:00	45.6	49.9	33.3	59.5	
22:45	15:00	43.8	47.1	36.6	58.1	
Average 1515-2300		47.4	49.3	40.1	64	
Average 0730-2300		55.3	52.9	39.1	68.4	

Noise & Vibration Consultants Ltd

Date: Sunday 20th- Monday 21st May 2007
 Site: Boston Road (opposite football ground)
 Client: Axis
 Project: Sleaford Renewable Energy Plant

TABLE 3

Data: **Position 1 - rear gardens of dwellings adjacent to railway bridge**
 Instrumentation: Norsonic 118 Real Time Analyser
 Weather Conditions: Dry, variable cloud, winds light westerly (1-2m/s), temp. 7deg to 12deg
 Calibration: 94dB

Start Time	Run Time (mins.)	LAeq (dB)	LA10 (dB)	LA90 (dB)	Lamax (dB)	Observations
23:00	15:00	43	46.3	31.8	56.4	
23:15	15:00	45	46.5	35	62.7	
23:30	15:00	41.4	43.7	30.6	54.5	
23:45	15:00	41.4	44.6	33.8	53.5	
00:00	15:00	40.1	44.7	25.4	54.1	
00:15	15:00	42.1	46	32	56.8	
00:30	15:00	43.7	47	31.4	60.9	
00:45	15:00	40.8	45.1	29.8	52.1	
01:00	15:00	42	46	29.5	64.1	
01:15	15:00	41	44.8	30.5	51.6	
01:30	15:00	43.1	47.4	29.1	58.6	
01:45	15:00	42.9	47.3	31.8	52.8	
02:00	15:00	38.3	42.7	28.5	49.4	
02:15	15:00	38	41.7	26	49.2	
02:30	15:00	41.3	45.1	33.2	53.3	
02:45	15:00	41.6	45.4	32.8	52.4	
03:00	15:00	38.6	42.6	27.6	51.2	
03:15	15:00	41.4	44.2	33	57.7	
03:30	15:00	43.3	47.2	32.5	55.5	
03:45	15:00	44.4	47.5	37.9	57.3	
04:00	15:00	47.3	49.9	42.9	55.3	
04:15	15:00	47.2	49.6	43.1	62.6	
04:30	15:00	47.3	49.8	42.5	63.9	
04:45	15:00	47.6	50.7	42.4	62.6	
05:00	15:00	49.4	51.6	41.3	70.3	
05:15	15:00	49.8	52.2	44.6	67.6	
05:30	15:00	49	51	45	65	
05:45	15:00	52.7	54.1	44.6	68.3	
06:00	15:00	53.3	54.4	46.2	76.3	Intermittent road traffic noise
06:15	15:00	52	53.1	45.5	75.5	
06:30	15:00	50.4	53.3	44.9	66.1	
06:45	15:00	50.7	53.3	44.8	67.7	
Average 2300-0700		46.9	47.7	35.9	59.5	

Noise & Vibration Consultants Ltd

Date: Monday 21st May 2007

Site: Boston Road (opposite football ground)

TABLE 4

Client: Axis

Project: Sleaford Renewable Energy Plant

Data: **Position 1 - rear gardens of dwellings adjacent to railway bridge**

Instrumentation: Norsonic 118 Real Time Analyser

Weather Conditions: Dry, sunny periods, variable cloud cover, winds light north easterly (1-2m/s)

Calibration: 94dB

Start Time	Run Time (mins.)	LAeq (dB)	LA10 (dB)	LA90 (dB)	LAmx (dB)	Comments
07:00	15:00	50.8	54.6	44.6	62.9	
07:15	15:00	51.5	54.3	45.9	67.7	
07:30	15:00	51.9	55.1	46.8	64.8	Intermittent road traffic noise
07:45	15:00	52.3	54.5	47.5	70.8	
08:00	15:00	52.4	54.6	47.8	72.1	
08:15	15:00	51.5	54.4	46.8	63.9	
08:30	15:00	51.3	54.1	47	65.7	
08:45	15:00	50.3	52.7	46	69.7	
09:00	15:00	49.2	51.6	43	64.1	
09:15	15:00	50.2	53.2	44.4	68.1	
09:30	15:00	55	57.6	46.5	72.2	Farming activities locally in field
09:45	15:00	60.8	56.7	45.7	84.1	Farming activities locally in field
10:00	15:00	51.4	54.3	45.5	63.8	
10:15	15:00	49.1	52.2	44.2	58.5	
10:30	15:00	49	52.5	43.6	66.5	
10:45	15:00	49.5	52.5	44.4	61	
11:00	15:00	52.4	54.4	46.3	76.9	
11:15	15:00	51.1	53.9	45.5	71.1	
11:30	15:00	51.2	53.6	45	70.2	Intermittent road traffic noise
11:45	15:00	49	51.9	43.6	60.9	
12:00	15:00	48.8	51.9	43.5	59.7	
12:15	15:00	50.4	52.7	45	66.7	
12:30	15:00	51.6	55.3	44.7	61.4	
12:45	15:00	52.7	54.5	46.7	69.6	Intermittent road traffic noise
13:00	15:00	48.2	50.6	44.8	56.7	
13:15	15:00	53.3	53.2	45.5	72	
13:30	15:00	60.1	55.6	43.7	80.7	Farming activities locally in field
13:45	15:00	55.6	60.1	46.5	66.7	
14:00	15:00	63.4	66	47.6	80.4	Farming activities locally in field
14:15	15:00	61.3	64.5	45.7	76.6	Farming activities locally in field
14:30	15:00	53.1	56.8	47.1	62	
14:45	15:00	52	55.3	45.2	67.6	
15:00	15:00	52.2	54.3	48.3	66	
Average 0700 - 1515		54.8	54.8	45.5	67.9	

Noise & Vibration Consultants Ltd

Date: Monday 21st May 2007
 Site: Boston Road (opposite football ground)
 Client: Axis
 Project: Sleaford Renewable Energy Plant
 Data: **Position 1 - rear gardens of dwellings adjacent to railway bridge**
 Instrumentation: Norsonic 118 Real Time Analyser
 Weather Conditions: Dry, skies clearing, winds light south east (1-2m/s), temp. 14deg to 16d
 Calibration: 94dB

TABLE 5

Start Time	Run Time (mins.)	LAeq (dB)	LA10 (dB)	LA90 (dB)	LAmix (dB)	Comments
15:15	15:00	49.1	51.9	44.7	57.6	
15:30	15:00	54.1	56.5	47.2	72.2	
15:45	15:00	52.7	53.7	46.3	73.6	
16:00	15:00	55.5	58.8	47.6	73.6	
16:15	15:00	49.8	52	46.7	61.7	
16:30	15:00	49.9	52.4	46.3	56.2	
16:45	15:00	49	51.4	45.6	63.5	
17:00	15:00	51	53.2	46.7	64.7	
17:15	15:00	50.7	52.9	47.6	63	
17:30	15:00	50.2	52.4	47.1	57.5	
17:45	15:00	55.7	56.9	47.6	73.5	
18:00	15:00	64.4	69.1	50.1	78.6	Farming activities locally
18:15	15:00	50	52.2	44.7	70.6	
18:30	15:00	49.2	51.8	43.6	69.9	
18:45	15:00	47.9	50.2	43.7	69.3	
19:00	15:00	50.4	50.8	42.8	80.9	
19:15	15:00	46.3	49.2	41.4	58.4	
19:30	15:00	50.1	52.6	41.9	63.9	
19:45	15:00	45.7	49.2	38.4	60.2	
20:00	15:00	44.9	48	39	56	
20:15	15:00	44.1	46.7	39.2	57.9	
20:30	15:00	44.7	47.5	39.2	60.2	
20:45	15:00	42.9	46.1	36.8	52.9	
21:00	15:00	46	49.2	39.3	64.6	
21:15	15:00	47.2	50.2	40	65.3	
21:30	15:00	43.3	46.4	35.5	56.6	
21:45	15:00	41.7	45.5	33.4	54.6	
22:00	15:00	42.4	44.8	33.7	60.7	
22:15	15:00	37	40.9	31.1	48.6	
22:30	15:00	36.4	39.5	30.5	48.9	
22:45	15:00	37.3	38.9	30.4	45.7	
Average 1515-2300		52.4	50.3	41.5	62.6	
Average 0700-2300		53.6	52.6	43.5	65.3	

Noise & Vibration Consultants Ltd

Date: Monday 21st - Tuesday 22nd May 2007

Site: Boston Road (opposite football ground)

TABLE 6

Client: Axis

Project: Sleaford Renewable Energy Plant

Data: **Position 1 - rear gardens of dwellings adjacent to railway bridge**

Instrumentation: Norsonic 118 Real Time Analyser

Weather Conditions: Dry, variable cloud cover, winds light from south east
temperature 10-14deg C

Calibration: 94dB

Start Time	Run Time (mins.)	LAeq (dB)	LA10 (dB)	LA90 (dB)	Lamax (dB)	Observations
23:00	15:00	35.5	36.9	29.2	49.3	Generally quiet, distant road traffic noise
23:15	15:00	36.4	34.1	28.9	48.9	
23:30	15:00	35.2	35.1	28.1	50.3	
23:45	15:00	36.8	36	28.2	52.4	
00:00	15:00	33.3	32.4	28.9	48.5	
00:15	15:00	34.8	35.1	27.9	49.5	
00:30	15:00	33.4	34.3	28.5	42.1	
00:45	15:00	37.7	37.4	28.7	57.3	
01:00	15:00	37.6	38.9	28.6	58.3	
01:15	15:00	37.8	38.8	29.2	51.8	
01:30	15:00	37.8	39	30.4	51.5	
01:45	15:00	38.2	40.8	29.7	50.4	
02:00	15:00	38.3	41.6	32.9	45.3	
02:15	15:00	38.9	40.8	30.8	59.4	
02:30	15:00	32.9	38.9	29.2	44.5	
02:45	15:00	36.9	39.8	31	48.3	
03:00	15:00	36.8	40.4	30.8	48.8	
03:15	15:00	37.1	40.4	30.5	46.6	
03:30	15:00	37.4	39.2	31.8	49	
03:45	15:00	43.8	46	37	61.7	
04:00	15:00	47.2	50.1	42.6	55.2	
04:15	15:00	46.2	48.7	41.6	61.8	
04:30	15:00	46.4	49	39.8	64.8	
04:45	15:00	46.7	49.2	39.9	68.8	
05:00	15:00	46.4	47.7	39.8	70.1	
05:15	15:00	46.6	48.6	41.6	65.9	
05:30	15:00	46	48.5	41.4	64	
05:45	15:00	48.5	48.2	41.5	73.3	
06:00	15:00	47.8	48.6	47.1	49	
06:15	15:00	42.7	43.4	41.9	43.8	
06:30	15:00	44.4	46.3	40.9	52.6	
Average 2300-0645		42.9	41.7	34.1	54.2	

Noise & Vibration Consultants Ltd

Date: Sunday 20th May 2007
 Site: Boston Road (opposite football ground)
 Client: Axis
 Project: Sleaford Renewable Energy Plant
 Data: **Position 2 - further back from Boston Road adjacent to railway line**
 Instrumentation: Cirrus 831a Integrating Precision Sound Level Meter
 Weather Conditions: Dry, variable cloud, winds light westerly (1-2m/s), temp. 7deg to 12deg
 Calibration: 94dB

TABLE 7

Start Time	Run Time (mins.)	LAeq (dB)	LA10 (dB)	LA90 (dB)	LAmaz (dB)	Comments
08:30	15:00	58.1	63.1	37.9	71.2	Farming activities (tractor in field)
08:45	15:00	61.1	64.7	37.9	76.4	Farming activities (tractor in field)
09:00	15:00	51.4	55.1	38.7	75.3	Farming activities (tractor in field)
09:15	15:00	47.7	50.8	33.5	69.3	Farming activities (tractor in field)
09:30	15:00	47.8	51	40.4	63.1	Farming activities (tractor in field)
09:45	15:00	66.3	70.7	38.9	81.6	Farming activities (tractor in field)
10:00	15:00	65.2	70.6	39.6	77.7	Farming activities (tractor in field)
10:15	15:00	64.3	70	41	77	Farming activities (tractor in field)
10:30	15:00	64.4	69.8	42.5	74.8	Farming activities (tractor in field)
10:45	15:00	62.3	67.1	43.7	71.7	Farming activities (tractor in field)
11:00	15:00	58.7	63.6	42.2	70.1	
11:15	15:00	56.2	60.9	40.4	70.4	
11:30	15:00	55.3	60.1	40	72.6	
11:45	15:00	55.6	59.8	41.4	70.9	
12:00	15:00	53.1	56.6	39.9	75.7	
12:15	15:00	49	53	36.1	63.3	
12:30	15:00	51.2	56.4	37.6	69.8	
12:45	15:00	50.8	54.8	39	66.3	
13:00	15:00	50	55.1	35.8	64.5	
13:15	15:00	50.9	53.5	37.1	76.1	
13:30	15:00	49.9	53.7	36.6	68.1	
13:45	15:00	48.8	52.3	37.4	63	
14:00	15:00	49.8	53.5	38.4	66.1	
14:15	15:00	50.8	53.9	43.4	67.1	
14:30	15:00	51.8	55.1	42.5	69.5	
14:45	15:00	52.4	54.5	42.9	74.3	
15:00	15:00	49.8	53.1	40.8	68.7	
Average 0830 - 1515		58.7	58.6	39.4	70.9	
Average 0830 - 1515		53	47.4	33.5	58.8	Farming activities excluded

Noise & Vibration Consultants Ltd

Date: Sunday 20th May 2007
 Site: Boston Road (opposite football ground)
 Client: Axis
 Project: Sleaford Renewable Energy Plant
 Data: **Position 2 - further back from Boston Road adjacent to railway line**
 Instrumentation: Cirrus 831a Integrating Precision Sound Level Meter
 Weather Conditions: Dry, variable cloud, winds light westerly (1-2m/s), temp. 7deg to 12deg
 Calibration: 94dB

TABLE 8

Start Time	Run Time (mins.)	LAeq (dB)	LA10 (dB)	LA90 (dB)	LAmx (dB)	Comments
15:15	15:00	50.3	53.5	41.1	70.5	
15:30	15:00	45	47.2	38.5	62.6	Distant road traffic noise, birdsong
15:45	15:00	49.5	52	39.5	68.8	
16:00	15:00	55.2	56.3	41.2	80.8	
16:15	15:00	51.2	54.7	39.1	68.8	
16:30	15:00	52.5	56.8	36.6	68.7	
16:45	15:00	52.3	55.9	39.5	69.1	
17:00	15:00	50.9	52.2	44.9	69.9	
17:15	15:00	51.8	54.5	46.6	74.9	
17:30	15:00	49.6	51.8	45.1	66.9	Distant road traffic noise, birdsong
17:45	15:00	50.5	52.2	44.5	67.1	
18:00	15:00	49.4	51.6	45.6	62.8	
18:15	15:00	51	52.6	46	70.8	
18:30	15:00	53.3	54.9	46.4	71.4	
18:45	15:00	52	54.5	46.3	67.3	
19:00	15:00	50.5	52.9	44.4	70.5	
19:15	15:00	49	51.4	45.1	66.5	
19:30	15:00	49.2	51.2	45.4	66.9	Distant road traffic noise, birdsong
19:45	15:00	48.3	50.7	43.4	63.3	
20:00	15:00	49.3	50.9	43.9	68.9	
20:15	15:00	49.6	51.9	44.8	66.6	
20:30	15:00	50.4	52.3	44.6	65.7	
20:45	15:00	50.5	53.1	45.1	67	
21:00	15:00	54.1	55.3	46.5	74.9	
21:15	15:00	51.8	53.8	45.8	74.1	
21:30	15:00	48.5	50.3	44.3	68.2	
21:45	15:00	48.2	51	42.6	60.6	Distant road traffic noise, birdsong
22:00	15:00	46.8	49.8	40.5	57.3	
22:15	15:00	46	49.1	39.7	53.8	
22:30	15:00	44.4	47.6	36.5	55	
22:45	15:00	42.8	45.6	36	53	
Average 1515-2300		50.5	52.1	42.8	66.8	
Average 0830-2300		51.3	50.4	39.5	63.9	

Noise & Vibration Consultants Ltd

Date: Sunday 20th- Monday 21st May 2007
 Site: Boston Road (opposite football ground)
 Client: Axis
 Project: Sleaford Renewable Energy Plant

TABLE 9

Data: **Position 2 - further back from Boston Road adjacent to railway line**
 Instrumentation: Cirrus 831a Integrating Precision Sound Level Meter
 Weather Conditions: Dry, variable cloud, winds light westerly (1-2m/s), temp. 7deg to 12deg
 Calibration: 94dB

Start Time	Run Time (mins.)	LAeq (dB)	LA10 (dB)	LA90 (dB)	Lamax (dB)	Observations
23:00	15:00	44.1	47.1	34.7	55.7	Occasional road traffic noise
23:15	15:00	43.5	46.9	35.1	57.9	
23:30	15:00	42.5	45.6	36.2	51.7	
23:45	15:00	41.5	44.7	33.2	52	
00:00	15:00	41.8	45.6	29.8	54.4	
00:15	15:00	41.8	45.8	28.7	58.2	
00:30	15:00	42.7	45.7	32.9	67.3	
00:45	15:00	42	45.4	32.9	55.2	
01:00	15:00	43.4	46.5	31.6	69.6	
01:15	15:00	42	45.7	29.9	54.9	
01:30	15:00	42.4	46.4	29.6	54.1	
01:45	15:00	44.9	48.8	32.4	55.4	
02:00	15:00	42.1	46.4	32.2	52.1	
02:15	15:00	42	45.8	31.1	58.3	
02:30	15:00	43	46.4	31.2	58.1	
02:45	15:00	44.9	48.1	38.3	56	
03:00	15:00	41.5	45.3	29	56	
03:15	15:00	43.5	47.1	32.9	58.1	
03:30	15:00	42.5	46.6	33.2	53.5	
03:45	15:00	49.5	52.5	39.6	67	
04:00	15:00	50.3	52.7	42.7	67.8	Intermittent road traffic noise
04:15	15:00	52.1	54.8	44.6	67.9	
04:30	15:00	50	52.8	43.5	73	
04:45	15:00	50.5	53.1	44.4	71.1	Intermittent road traffic noise
05:00	15:00	52.1	53.8	45.9	76.4	
05:15	15:00	51.4	53.2	43	69.6	
05:30	15:00	52	54.1	47.8	68.1	
05:45	15:00	52.8	55.1	47.1	67.1	
06:00	15:00	52.6	54.3	49.2	77.3	
06:15	15:00	51.2	53.4	48.4	60.3	
06:30	15:00	51.4	53.7	48.4	63.5	
06:45	15:00	50.6	52.4	48.1	61.3	
Average 2300-0700		48.2	49.2	37.7	61.5	

Noise & Vibration Consultants Ltd

Date: Monday 21st May 2007
 Site: Boston Road (opposite football ground)
 Client: Axis
 Project: Sleaford Renewable Energy Plant
 Data: **Position 2 - further back from Boston Road adjacent to railway line**
 Instrumentation: Cirrus 831a Integrating Precision Sound Level Meter
 Weather Conditions: Dry, sunny periods, variable cloud cover, winds light north easterly (1-2)
 Calibration: 94dB

TABLE 10

Start Time	Run Time (mins.)	LAeq (dB)	LA10 (dB)	LA90 (dB)	LAmix (dB)	Comments
07:00	15:00	53.3	54.3	48.4	71.8	
07:15	15:00	54.1	55.8	49.2	69.3	
07:30	15:00	54.1	56	51.2	63.9	
07:45	15:00	54.1	56	51.7	67.7	
08:00	15:00	54.5	56.4	51.9	65	Intermittent road traffic noise
08:15	15:00	53.9	55.5	51.2	66.9	
08:30	15:00	53.5	55.4	51	66.3	
08:45	15:00	53.2	55.4	49.4	68.8	
09:00	15:00	52.5	55	46.4	67	
09:15	15:00	51.5	54.1	46.8	71	
09:30	15:00	57.5	60.5	50.6	74	Farming activities locally in field
09:45	15:00	62.8	60.5	50.3	83.4	Farming activities locally in field
10:00	15:00	54.5	57.5	49.3	63.9	
10:15	15:00	54.2	57	49.5	66	
10:30	15:00	53.7	56.2	48.7	71.2	
10:45	15:00	52.5	55	48.9	66.9	
11:00	15:00	54.2	56.5	50.4	68.2	
11:15	15:00	55.1	57	52.6	60.3	
11:30	15:00	53.7	55.9	49.7	71	
11:45	15:00	55	56.2	50.3	79.9	Intermittent road traffic noise
12:00	15:00	51.2	53.2	47.8	66.5	
12:15	15:00	53	53.7	47.4	71.4	
12:30	15:00	52	53.5	46.9	68.7	
12:45	15:00	55	57.5	50.8	65.7	Intermittent road traffic noise
13:00	15:00	55.3	58.4	48.5	69.2	
13:15	15:00	50.9	52.6	47.5	65.5	
13:30	15:00	52.8	54	45.9	71.8	Farming activities locally in field
13:45	15:00	64	63.1	48	83.6	Farming activities locally in field
14:00	15:00	59.9	64.4	51.3	71.1	Farming activities locally in field
14:15	15:00	63.4	66.2	51	80.5	Farming activities locally in field
14:30	15:00	58.4	61.5	49.4	75	
14:45	15:00	56.4	60	50.2	68.2	
15:00	15:00	55.9	59.1	50.2	67.2	
Average 0700 - 1515		56.7	57	49.4	69.9	

Noise & Vibration Consultants Ltd

Date: Monday 21st May 2007
 Site: Boston Road (opposite football ground)
 Client: Axis
 Project: Sleaford Renewable Energy Plant

TABLE 11

Data: **Position 2 - further back from Boston Road adjacent to railway line**
 Instrumentation: Cirrus 831a Integrating Precision Sound Level Meter
 Weather Conditions: Dry, skies clearing, winds light south east (1-2m/s), temp. 14deg to 16d

Calibration: 94dB

Start Time	Run Time (mins.)	LAeq (dB)	LA10 (dB)	LA90 (dB)	LAmix (dB)	Comments
15:15	15:00	57.1	57	49.8	80.6	
15:30	15:00	53.1	55.4	47.8	68.7	
15:45	15:00	57.9	58.9	50.2	77.6	Intermittent road traffic noise
16:00	15:00	55.7	57.2	50.5	74.1	
16:15	15:00	58.7	62.2	50.6	77.6	
16:30	15:00	52.7	55.1	48.6	71.2	
16:45	15:00	52.5	54.6	48.8	67.8	
17:00	15:00	50.6	52.8	46.4	62.9	
17:15	15:00	52.4	54.4	48.7	66.7	
17:30	15:00	51.4	53.6	48.6	62.4	
17:45	15:00	52.2	53.9	48.4	67.5	
18:00	15:00	53.6	55.7	49.1	67.7	
18:15	15:00	51.7	53.8	48.2	63.9	
18:30	15:00	50.9	52.7	47.2	67.6	
18:45	15:00	50.5	52.5	46.7	64	
19:00	15:00	50.9	53	45.1	66.6	
19:15	15:00	51.7	53.5	44.3	69	
19:30	15:00	49.8	52	43.7	69.8	
19:45	15:00	51.8	53.4	43.5	68.2	
20:00	15:00	53.9	57	41.4	74.1	Intermittent road traffic noise
20:15	15:00	50.4	53.1	43.5	64.7	
20:30	15:00	54.1	58.1	40.7	70.8	
20:45	15:00	45	47.3	39.2	61.8	
21:00	15:00	53	56.5	38.1	68.9	
21:15	15:00	49	52.8	41.2	63.8	
21:30	15:00	48.8	50.1	37.8	72.8	
21:45	15:00	52.8	51.4	33.7	80.4	
22:00	15:00	42.3	45.3	35.1	61	
22:15	15:00	42.1	43.7	33.2	61.8	
22:30	15:00	37	38.8	30.8	50.8	Intermittent road traffic noise
22:45	15:00	36.2	36.4	30	55	
Average 1515-2300		52.6	52.6	43.5	67.7	
Average 0700-2300		54.7	54.8	46.5	68.8	

Noise & Vibration Consultants Ltd

Date: Monday 21st - Tuesday 22nd May 2007

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Site: Boston Road (opposite football ground)

TABLE 12

Client: Axis

Project: Sleaford Renewable Energy Plant

Data: **Position 2 - further back from Boston Road adjacent to railway line**

Instrumentation: Cirrus 831a Integrating Precision Sound Level Meter

Weather Conditions: Dry, variable cloud cover, winds light from south east
temperature 10-14deg C

Calibration: 94dB

Start Time	Run Time (mins.)	LAeq (dB)	LA10 (dB)	LA90 (dB)	Lamax (dB)	Observations
23:00	15:00	32.9	35.5	28.7	40.2	Distant road traffic noise
23:15	15:00	32.5	35.4	27.8	43.2	
23:30	15:00	35.3	36.2	27.5	48.3	
23:45	15:00	34.2	37.7	27.2	52.4	
00:00	15:00	34.3	37.1	27.7	46.9	
00:15	15:00	34.1	36.4	27	47.4	
00:30	15:00	35.4	38.2	27	44.4	
00:45	15:00	36.3	40	28.2	42.8	
01:00	15:00	38.2	39.8	29.4	51.8	
01:15	15:00	36.4	39.7	30.9	42.9	
01:30	15:00	37.2	39.2	28.4	43.9	
01:45	15:00	37.6	40.5	28.9	46	
02:00	15:00	38.7	40.2	29.5	53.3	
02:15	15:00	37.3	40.8	31.6	46.3	
02:30	15:00	36.6	38.8	30.7	54.8	
02:45	15:00	35.7	39.1	28.9	45.5	
03:00	15:00	38.6	41.7	31.2	48.2	
03:15	15:00	38.7	42.2	29.9	49.7	
03:30	15:00	37.3	40.3	31.9	46.5	
03:45	15:00	44.5	44	30	67.4	
04:00	15:00	49.8	52.2	38	67.8	
04:15	15:00	50.2	53.6	41.9	65.3	
04:30	15:00	50.5	54.1	42.1	63.2	
04:45	15:00	52.5	56	41.9	68.3	
05:00	15:00	48.4	51.6	42.2	59.8	
05:15	15:00	49.3	52.5	42.4	66.7	
05:30	15:00	49.4	51.8	44	69.7	
05:45	15:00	50	53.1	42.7	69.6	
Average 2300-0600		45.2	43.1	32.7	53.2	

Noise & Vibration Consultants Ltd

Date: Sunday 20th May 2007

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Site: Mount Lane

TABLE 13

Client: Axis

Project: Sleaford Renewable Energy Plant

Data: **Position 3 - Mount Lane (south east of site) rear boundary No.36**

Instrumentation: Norsonic 118 Real Time Analyser

Weather Conditions: Dry, variable cloud, winds light westerly (1-2m/s), temp. 7deg to 12deg

Calibration: 94dB

Start Time	Run Time (mins.)	LAeq (dB)	LA10 (dB)	LA90 (dB)	LAmix (dB)	Comments
07:15	15:00	47.9	50.1	42.6	66.1	
07:30	15:00	55	48.8	42.6	84.6	
07:45	15:00	54.4	53.5	42.1	71.9	Distant road traffic noise, occasional
08:00	15:00	51.7	55.4	42.2	61.9	train movements, farming activities
08:15	15:00	56.2	60	41.2	70.1	and birdsong
08:30	15:00	62.2	66.6	47.3	74.6	Farming activities in field
08:45	15:00	62.6	65.1	52.1	76.9	Farming activities in field
09:00	15:00	60.7	62.6	42.9	78.3	Farming activities in field
09:15	15:00	55.5	59.6	43.5	70.8	
09:30	15:00	60.6	64.7	46.6	72.2	
09:45	15:00	60.8	65	46	78.3	
10:00	15:00	61.5	67	44.1	72.9	Farming activities in field
10:15	15:00	57.1	59.7	42.9	70.9	
10:30	15:00	65.3	69.8	43.7	79.6	Farming activities in field
10:45	15:00	71.2	73.3	45.9	88.2	Farming activities in field
11:00	15:00	74.7	78.5	43.8	91.6	Farming activities in field
11:15	15:00	64.3	69.5	42.4	77.1	Farming activities in field
11:30	15:00	71.7	70.6	41.8	93	Farming activities in field
11:45	15:00	42.7	45.5	37	57.6	
12:00	15:00	50.9	54.6	38.5	71.2	
12:15	15:00	48.7	50.8	37.9	71.1	
12:30	15:00	47.3	48.8	38.5	74.1	
12:45	15:00	55.1	56.1	41	75.9	
13:00	15:00	53	54.8	39.6	76.9	
13:15	15:00	53.4	55.3	37.7	75.6	
13:30	15:00	54.9	57.4	37.8	77.3	
13:45	15:00	54.1	56.8	42	76.1	
14:00	15:00	50.7	53.4	42.2	70.4	
14:15	15:00	48	51.1	42.4	62.4	
14:30	15:00	49.4	51.3	41.2	68	
14:45	15:00	46.4	49.7	39.5	64.4	
15:00	15:00	46.6	48.5	39.4	71.7	
Average 0715 - 1515		63	58.5	42.1	74.1	
Average 0715 - 1515		54.4	54.3	41	71.2	Farming activities excluded

Noise & Vibration Consultants Ltd

Date: Sunday 20th May 2007

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Site: Mount Lane

TABLE 14

Client: Axis

Project: Sleaford Renewable Energy Plant

Data: **Position 3 - Mount Lane (south east of site) rear boundary No.36**

Instrumentation: Norsonic 118 Real Time Analyser

Weather Conditions: Dry, variable cloud, winds light westerly (1-2m/s), temp. 7deg to 12deg

Calibration: 94dB

Start Time	Run Time (mins.)	LAeq (dB)	LA10 (dB)	LA90 (dB)	LAmix (dB)	Comments
15:15	15:00	49.2	50.6	39.7	67.8	
15:30	15:00	47.3	50.3	42.4	56.6	
15:45	15:00	50.1	52.9	41.9	74	
16:00	15:00	55.2	57.2	44.7	72.6	
16:15	15:00	54.1	55.1	42	72.8	Distant road traffic noise
16:30	15:00	51	54.3	41.6	68.6	
16:45	15:00	51.7	54.9	46.1	62.1	
17:00	15:00	50.7	53.8	45.5	61.4	
17:15	15:00	52.3	55.2	46.3	63.7	
17:30	15:00	52.1	55.1	45	65.3	
17:45	15:00	51.6	55	45.5	63	
18:00	15:00	55.4	57.3	45.8	72.9	
18:15	15:00	53.4	55.2	46.6	70.8	
18:30	15:00	51.9	54.8	46	69.7	
18:45	15:00	52.1	54.9	46.2	64.6	
19:00	15:00	51.5	54.4	44.5	63.1	
19:15	15:00	52.4	55.3	46	66.7	
19:30	15:00	51.4	54.4	44.7	69	
19:45	15:00	52.2	55.1	42.8	70.7	
20:00	15:00	51	54.3	43.7	67.6	
20:15	15:00	51.8	55.2	44.2	62.9	
20:30	15:00	51.5	54.7	44.3	63.4	
20:45	15:00	53.2	56.9	45.1	64	
21:00	15:00	52.2	55.2	45.4	67.8	Distant road traffic noise
21:15	15:00	52.6	55.8	45.7	62.7	
21:30	15:00	50.9	54.4	41.7	66.3	
21:45	15:00	49.9	53.3	40.1	60.6	
22:00	15:00	49.1	52.7	40.6	62.2	
22:15	15:00	49.2	52.6	39	60.1	
22:30	15:00	49.8	54	38.1	60	
22:45	15:00	49	52.5	39.9	60.1	
Average 1515-2300		51.8	54.4	43.5	65.5	
Average 0715-2300		52.9	54.3	42.4	67.9	

Noise & Vibration Consultants Ltd

Date: Sunday 20th- Monday 21st May 2007

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Site: Mount Lane

TABLE 15

Client: Axis

Project: Sleaford Renewable Energy Plant

Data: **Position 3 - Mount Lane (south east of site) rear boundary No.36**

Instrumentation: Norsonic 118 Real Time Analyser

Weather Conditions: Dry, variable cloud, winds light westerly (1-2m/s), temp. 7deg to 12deg

Calibration: 94dB

Start Time	Run Time (mins.)	LAeq (dB)	LA10 (dB)	LA90 (dB)	Lamax (dB)	Observations
23:00	15:00	49.1	52.9	38	60.5	Distant road traffic noise
23:15	15:00	50.2	54.3	39.6	62.7	
23:30	15:00	48.7	52.8	34.6	59	
23:45	15:00	48.5	52.5	33.4	59.5	
00:00	15:00	44.6	48.7	35.7	58.4	
00:15	15:00	49.3	53.2	39.7	67.7	
00:30	15:00	49.1	52.9	39.4	61.8	
00:45	15:00	47.5	51.8	34.7	59.2	
01:00	15:00	46.5	50.6	34.1	59.7	
01:15	15:00	47.6	51.6	34.6	59.4	
01:30	15:00	51.5	55.2	42.4	71.3	
01:45	15:00	47.9	51	41.4	64.3	
02:00	15:00	46.3	49.6	35.9	61.5	
02:15	15:00	45.2	49.3	34	59.6	
02:30	15:00	46.9	51	34.7	62.5	
02:45	15:00	47.1	50.9	36.3	60.7	
03:00	15:00	44.4	47.5	36.5	58.9	
03:15	15:00	47.6	50.9	40.6	60.5	
03:30	15:00	47.4	51.3	39.8	60	
03:45	15:00	48.7	52.5	40	60.8	
04:00	15:00	50.1	53.4	44.5	59.2	
04:15	15:00	50.2	53.3	44.8	59.8	
04:30	15:00	49.4	52.6	44	59.7	
04:45	15:00	51.6	55.1	44.4	62.6	
05:00	15:00	52	55.3	44.9	66.6	
05:15	15:00	53.6	56.8	46.6	61.8	
05:30	15:00	57.4	57.8	49.2	75.3	
05:45	15:00	55	57.7	50.2	75.2	
06:00	15:00	54.6	56.8	50.3	74	
06:15	15:00	55.1	57.7	50.6	67.6	
06:30	15:00	55.1	57.5	51.6	67	
06:45	15:00	55.5	58.2	51.4	69.3	
Average 2300-0700		51.2	53.2	41.1	63.3	

Noise & Vibration Consultants Ltd

Date: Monday 21st May 2007
 Site: Mount Lane
 Client: Axis
 Project: Sleaford Renewable Energy Plant
 Data: **Position 3 - Mount Lane (south east of site) rear boundary No.36**
 Instrumentation: Norsonic 118 Real Time Analyser
 Weather Conditions: Dry, sunny periods, variable cloud cover, winds light north easterly (1-2)
 Calibration: 94dB

Start Time	Run Time (mins.)	LAeq (dB)	LA10 (dB)	LA90 (dB)	LAmx (dB)	Comments
07:00	15:00	57.3	60.3	52.8	71.3	
07:15	15:00	58	59.6	54.1	76.9	
07:30	15:00	61.4	59.5	54	80.8	Farming activities in field
07:45	15:00	58	60.2	54.6	76	
08:00	15:00	61.2	61.3	53.8	80.1	Farming activities in field
08:15	15:00	57.3	58.7	54.2	77.8	
08:30	15:00	56.4	58	52.6	71.7	
08:45	15:00	60.3	58.2	52.1	78.2	Farming activities in field
09:00	15:00	57.4	57.6	51.6	76.4	
09:15	15:00	55.9	57.8	52.9	64.9	
09:30	15:00	62.1	61	52.7	81.4	Farming activities in field
09:45	15:00	61.4	60.1	51.5	80.3	Farming activities in field
10:00	15:00	55.7	58.4	52.2	63.8	
10:15	15:00	55.1	57.4	51.4	68.6	
10:30	15:00	55.1	57.4	51.8	61.6	
10:45	15:00	55	57.5	51.8	64.9	
11:00	15:00	55.7	58.4	51.9	65	
11:15	15:00	55.2	57.6	51.8	63.7	
11:30	15:00	55.1	57.6	51.8	64.9	
11:45	15:00	54.4	56.7	50.7	61.4	
12:00	15:00	55.5	56.7	50.6	73.3	
12:15	15:00	57	57	51.9	80.9	
12:30	15:00	55.7	56.3	52.2	78.2	
12:45	15:00	54.4	56.5	51.4	62.8	
13:00	15:00	53.7	56	50.5	65.8	
13:15	15:00	53.7	56	50.4	63.3	
13:30	15:00	52.9	54.9	50.1	61.3	
13:45	15:00	52.7	54.9	49.7	61	
14:00	15:00	53.2	55.1	50.7	63.4	
14:15	15:00	57.4	55	49.9	85.1	
14:30	15:00	54.2	55.7	50.6	69.9	
14:45	15:00	53.1	55.3	50.2	63.3	
15:00	15:00	57	57.2	52.1	80.5	
Average 0700 - 1515		57.1	57.5	51.8	70.8	

Noise & Vibration Consultants Ltd

Date: Monday 21st May 2007

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Site: Mount Lane

TABLE 17

Client: Axis

Project: Sleaford Renewable Energy Plant

Data: **Position 3 - Mount Lane (south east of site) rear boundary No.36**

Instrumentation: Norsonic 118 Real Time Analyser

Weather Conditions: Dry, skies clearing, winds light south east (1-2m/s), temp. 14deg to 16d

Calibration: 93.7

Start Time	Run Time (mins.)	LAeq (dB)	LA10 (dB)	LA90 (dB)	LAmix (dB)	Comments
15:15	15:00	53.5	55.7	50.9	62.7	
15:30	15:00	63.7	58.8	51.5	90.3	Farming activities in field
15:45	15:00	61.4	58.8	51.7	78.1	Farming activities in field
16:00	15:00	57.9	59	51.3	75.2	
16:15	15:00	53.5	56	50.2	64	
16:30	15:00	54.5	56.1	50	69.2	
16:45	15:00	55.1	55.8	50	73.1	
17:00	15:00	57.5	56.1	50	75.7	
17:15	15:00	52.9	55	49.8	65.7	
17:30	15:00	52.5	54.6	49.1	60.9	
17:45	15:00	54.2	55.2	48.6	70.9	
18:00	15:00	52.7	54.6	48.3	68.1	
18:15	15:00	51.2	53.4	48.2	60.1	
18:30	15:00	51.4	52.7	47.7	67.5	
18:45	15:00	53	54.5	47.1	72.4	
19:00	15:00	50.4	53	47.5	61.8	
19:15	15:00	50.9	53.1	48.3	58.3	
19:30	15:00	54.3	55.7	48.1	75.2	
19:45	15:00	50.4	52.7	47.4	67.6	
20:00	15:00	50.5	52.7	47.8	64.3	
20:15	15:00	52.4	52.3	46.7	73.2	
20:30	15:00	50.3	52.1	47	69.2	
20:45	15:00	50	51.7	48.1	62.5	
21:00	15:00	52.4	55.5	47.6	67.3	
21:15	15:00	48.7	49.9	47.2	63.6	
21:30	15:00	48.7	49.6	47.6	62.5	
21:45	15:00	50	50.7	47.8	72	
22:00	15:00	49.8	51	48.2	60.9	
22:15	15:00	49.2	50.2	48	58.1	
22:30	15:00	49.6	50.3	48.5	67.6	
22:45	15:00	49.3	50.2	48.1	60.6	
Average 1515-2300		54.6	53.7	48.6	67.6	
Average 0700-2300		55.8	55.6	50.2	69.2	

Noise & Vibration Consultants Ltd

Date: Monday 21st - Tuesday 22nd May 2007

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Site: Mount Lane

TABLE 18

Client: Axis

Project: Sleaford Renewable Energy Plant

Data: **Position 3 - Mount Lane (south east of site) rear boundary No.36**

Instrumentation: Norsonic 118 Real Time Analyser

Weather Conditions: Dry, variable cloud cover, winds light from south east
temperature 10-14deg C

Calibration: 94dB

Start Time	Run Time (mins.)	LAeq (dB)	LA10 (dB)	LA90 (dB)	Lamax (dB)	Observations
23:00	15:00	49.5	50.5	48.2	58	
23:15	15:00	49.2	50.5	47.9	53.6	
23:30	15:00	50.1	50.7	48.1	75.1	
23:45	15:00	52.2	51.9	48.5	75.2	
00:00	15:00	49.1	50.5	46.9	62.4	
00:15	15:00	48.8	50	47.4	62.4	
00:30	15:00	48.2	49.3	46.8	55.4	
00:45	15:00	50.3	51.8	48	68.3	
01:00	15:00	50.3	51.2	49	64.9	
01:15	15:00	50.5	51.2	48	70.2	
01:30	15:00	49.9	51.5	48.2	60.6	
01:45	15:00	50	51.2	48.7	56.6	
02:00	15:00	50	51.1	48.7	59.8	
02:15	15:00	49.9	51.1	48.2	66.9	
02:30	15:00	51.2	52.3	49.6	72.9	
02:45	15:00	52.4	52.6	50.1	75	
03:00	15:00	52	53.3	49.4	71.1	
03:15	15:00	51.9	53.1	50.6	59.3	
03:30	15:00	52.6	53.2	50.1	73	
03:45	15:00	50.8	52.2	49.3	58.7	
04:00	15:00	51.8	53.3	49.3	75.6	
04:15	15:00	52	53.8	49.8	64.6	
04:30	15:00	51.3	53.2	49.2	59.8	
04:45	15:00	52	53.9	49.5	59.8	
05:00	15:00	52.3	53.6	50.8	60.6	
05:15	15:00	53.8	55.2	51.9	65.5	
05:30	15:00	53.5	55.2	51.3	64.3	
05:45	15:00	55.1	56.5	53.2	67	
Average 2300-0600		51.4	52.2	49.1	64.8	

Noise & Vibration Consultants Ltd

Date: Sunday 20th May 2007

Page 1 of 6

Site: Mount Lane

TABLE 19

Client: Axis

Project: Sleaford Renewable Energy Plant

Data: **Position 4 - Off Church Lane (east of site) rear boundary properties**

Instrumentation: Cirrus 704B Integrating Precision Sound Level Meter

Weather Conditions: Dry, variable cloud, winds light westerly (1-2m/s), temp. 7deg to 12deg

Calibration: 94dB

Start Time	Run Time (mins.)	LAeq (dB)	LA10 (dB)	LA90 (dB)	LAmix (dB)	Comments
07:00	15:00	51.3	54.1	44.4	63.5	
07:15	15:00	53.8	56.3	44.7	67.8	Noise climate dominated by road
07:00	15:00	50.4	53.1	44.2	63.8	traffic noise along A17
07:45	15:00	51.4	54.1	43.8	63.2	
08:00	15:00	50.3	53.4	41.5	60	
08:15	15:00	49.2	52.6	40.2	64	
08:30	15:00	49.7	52.2	40	66.3	
08:45	15:00	57.9	58	43.1	80.8	
09:00	15:00	49.9	52.5	41.2	63.6	
09:15	15:00	50.7	53.2	42.8	66.8	
09:30	15:00	50	53.1	41.6	58.6	
09:45	15:00	51.9	54.8	44.7	64.2	
10:00	15:00	50.5	53	43	60.9	
10:15	15:00	52	54.8	43.8	61.3	
10:30	15:00	52.1	54.7	44.7	66.4	
10:45	15:00	52.5	54.9	46.1	62.8	
11:00	15:00	50.1	53.4	42.5	60.1	
11:15	15:00	50.5	53.1	42.5	59.6	
11:30	15:00	50.2	53	42.5	63.6	
11:45	15:00	51.6	54.4	44.4	61.2	
12:00	15:00	51.1	54.3	41.7	59.9	
12:15	15:00	52.1	55.2	44	60.6	
12:30	15:00	51.9	54.9	44.3	62	
12:45	15:00	51.9	54.6	44.5	61	
13:00	15:00	50.6	53	44.6	59.1	
13:15	15:00	49.9	52.4	43.5	58.4	Noise climate dominated by road
13:30	15:00	51.7	54.1	43.7	67.8	traffic noise along A17
13:45	15:00	50.6	53.5	43.1	60.4	
14:00	15:00	49.1	51.8	42.3	57.1	
14:15	15:00	51.2	51.8	41.8	72.7	
14:30	15:00	50.8	52.7	41.7	64.7	
14:45	15:00	48.7	51.7	40.2	60.6	
15:00	15:00	48.1	51.6	38.6	57.7	
Average 0700 - 1515		51	53.6	42.9	63	

Noise & Vibration Consultants Ltd

Date: Sunday 20th May 2007

Site: Mount Lane

Client: Axis

Project: Sleaford Renewable Energy Plant

Data: **Position 4 - Off Church Lane (east of site) rear boundary properties**

Instrumentation: Cirrus 704B Integrating Precision Sound Level Meter

Weather Conditions: Dry, variable cloud, winds light westerly (1-2m/s), temp. 7deg to 12deg

Calibration: 94dB

Start Time	Run Time (mins.)	LAeq (dB)	LA10 (dB)	LA90 (dB)	LAmaz (dB)	Comments
15:15	15:00	51.2	52	40.5	65.2	
15:30	15:00	49.5	52	42.2	61.4	
15:45	15:00	50.4	52.8	41.8	68.3	
16:00	15:00	49.3	51.4	42.4	64.9	Noise climate dominated by road
16:15	15:00	49.8	52	42.3	66.7	traffic noise along A17
16:30	15:00	48.2	50.9	41.2	58	
16:45	15:00	52.6	55.1	46	61	
17:00	15:00	53.4	55.7	48.2	59.9	
17:15	15:00	54.4	56.7	48.4	65.3	
17:30	15:00	52.9	55.7	46.5	60.5	
17:45	15:00	53	55.1	47.9	60.2	
18:00	15:00	53.8	56.1	48.1	65.8	
18:15	15:00	55.1	57.1	50	63	
18:30	15:00	55.1	57.4	49.1	62.3	
18:45	15:00	55.1	57.5	49.2	67.8	
19:00	15:00	55.3	57.7	48.4	66.3	
19:15	15:00	54.5	56.8	49	62.8	
19:30	15:00	53.9	56.4	47.8	62.5	
19:45	15:00	52.7	55.2	45.9	62	
20:00	15:00	54.7	57.5	46.9	62.8	
20:15	15:00	52.1	54.7	45.7	60.1	Noise climate dominated by road
20:30	15:00	51.9	54.7	43.7	60.1	traffic noise along A17
20:45	15:00	51.3	53.9	45.9	61.3	
21:00	15:00	51.7	54.4	45.5	60.3	
21:15	15:00	51.5	54.2	46.3	59.5	
21:30	15:00	50.1	53	42.7	59.5	
21:45	15:00	50.5	53.7	41.2	60	
22:00	15:00	48	51.3	40	58	
22:15	15:00	51	54.8	36.4	63	
22:30	15:00	53	57	36.9	64.4	
22:45	15:00	50.5	54.4	38.1	62.9	
Average 1515-2300		52.6	54.7	44.6	62.4	
Average 0715-2300		51.7	54.1	43.7	62.7	

Noise & Vibration Consultants Ltd

Date: Sunday 20th- Monday 21st May 2007

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Site: Mount Lane

TABLE 21

Client: Axis

Project: Sleaford Renewable Energy Plant

Data: **Position 4 - Off Church Lane (east of site) rear boundary properties**

Instrumentation: Cirrus 704B Integrating Precision Sound Level Meter

Weather Conditions: Dry, variable cloud, winds light westerly (1-2m/s), temp. 7deg to 12deg

Calibration: 94dB

Start Time	Run Time (mins.)	LAeq (dB)	LA10 (dB)	LA90 (dB)	Lamax (dB)	Observations
23:00	15:00	51.4	55.6	34.6	64.4	Noise climate dominated by road traffic noise along A17
23:15	15:00	53	57.4	35	63	
23:30	15:00	52.8	56.9	32.1	65.2	
23:45	15:00	49.9	54.3	31.1	62.7	
00:00	15:00	44.8	48.1	30.5	60.4	
00:15	15:00	51.4	55.2	35.3	65.7	
00:30	15:00	48.9	52.8	32.1	59.9	
00:45	15:00	48.5	52.6	30.7	59.8	
01:00	15:00	48.9	51.3	31	64.2	
01:15	15:00	51.5	56.1	32.5	63.3	
01:30	15:00	50	53.4	30.9	64	
01:45	15:00	49.9	54.2	30.6	62.9	
02:00	15:00	48.9	52.7	30.9	63.2	
02:15	15:00	50.2	54.2	30.9	64.5	
02:30	15:00	52.1	56.1	33.4	67.1	
02:45	15:00	49.2	52.9	30.8	65.1	
03:00	15:00	46.9	51.1	30.6	60	
03:15	15:00	49.4	53.6	33	61.7	
03:30	15:00	50.4	54.7	33.7	60	
03:45	15:00	51.5	55.1	40.9	60.9	
04:00	15:00	52.7	55.3	47.2	59.7	
04:15	15:00	53.8	56.7	46.4	61	
04:30	15:00	52.4	55.1	45.6	63.3	
04:45	15:00	53.8	56.3	45.7	61.2	
05:00	15:00	53.6	56.4	44.7	61.9	
05:15	15:00	54.7	57.3	49.3	61.6	
05:30	15:00	55.6	57.9	49.9	66.7	
05:45	15:00	55.3	56.8	50.2	71.9	
06:00	15:00	55.5	57.9	50.5	61.4	
06:15	15:00	54.4	56.2	50.4	63	
06:30	15:00	54.9	56.9	50.7	62.9	
06:45	15:00	54.3	56	50.4	62.2	
Average 2300-0700		52.3	54.9	38.4	62.9	

Noise & Vibration Consultants Ltd

Date: Monday 21st May 2007
 Site: Mount Lane
 Client: Axis
 Project: Sleaford Renewable Energy Plant
 Data: **Position 4 - Off Church Lane (east of site) rear boundary properties**
 Instrumentation: Cirrus 704B Integrating Precision Sound Level Meter
 Weather Conditions: Dry, sunny periods, variable cloud cover, winds light north easterly (1-2)
 Calibration: 94dB

Start Time	Run Time (mins.)	LAeq (dB)	LA10 (dB)	LA90 (dB)	LAmix (dB)	Comments
07:00	15:00	54	55.7	50.4	64.5	
07:15	15:00	53.7	55.6	48.9	63.8	
07:30	15:00	53.7	55.3	50.5	60.2	
07:45	15:00	54.6	56.4	51.1	59.9	
08:00	15:00	53.8	55.6	49.8	62.3	
08:15	15:00	53.9	55.5	50.1	65.5	
08:30	15:00	53.4	55.1	49.5	60.6	
08:45	15:00	52.7	55.2	47.5	59.4	
09:00	15:00	53.4	56.8	46.8	60.5	
09:15	15:00	56.4	57.7	52.8	64.3	
09:30	15:00	64.9	58.9	49.5	83.1	
09:45	15:00	71.1	74.1	45.6	87.9	
10:00	15:00	52.8	55.1	46.4	63	
10:15	15:00	50	52.7	44.9	57.5	
10:30	15:00	51.8	53.4	45.5	64.6	
10:45	15:00	51.5	53.3	43.4	66.9	
11:00	15:00	52.2	54	45.6	66.6	
11:15	15:00	52.3	53.7	45.9	65.6	
11:30	15:00	51.5	54	45.6	63.3	
11:45	15:00	51.3	53.8	44.2	69.5	
12:00	15:00	53.3	54.6	45.1	68.7	
12:15	15:00	56	55.2	45.9	73.5	
12:30	15:00	52.4	54.7	46.1	64.5	
12:45	15:00	52.1	54.2	44.8	66.9	
13:00	15:00	50.2	52.6	43.8	64.1	
13:15	15:00	53.2	55.5	47.5	64.4	
13:30	15:00	52.6	54.9	46.5	63.1	
13:45	15:00	53.1	55.5	46.5	64.8	
14:00	15:00	54.7	56.8	48	72.3	
14:15	15:00	55.6	55.8	45.3	72.5	
14:30	15:00	52.2	54.7	46.2	61.9	
14:45	15:00	51.5	54.2	45	61.3	
15:00	15:00	55.2	55.8	45.2	75.7	
Average 0700 - 1515		58.3	55.6	46.9	66.1	

Noise climate dominated by road traffic noise along A17

Noise & Vibration Consultants Ltd

Date: Monday 21st May 2007

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Site: Mount Lane

TABLE 23

Client: Axis

Project: Sleaford Renewable Energy Plant

Data: **Position 4 - Off Church Lane (east of site) rear boundary properties**

Instrumentation: Cirrus 704B Integrating Precision Sound Level Meter

Weather Conditions: Dry, skies clearing, winds light south east (1-2m/s), temp. 14deg to 16d

Calibration: 94dB

Start Time	Run Time (mins.)	LAeq (dB)	LA10 (dB)	LA90 (dB)	LAmix (dB)	Comments
15:15	15:00	52.1	54.5	45.3	67.5	
15:30	15:00	69.4	57.1	46.5	96.2	
15:45	15:00	59.7	55.3	45	81.2	
16:00	15:00	61.4	61.8	48.1	80.4	
16:15	15:00	51.6	53.8	45.8	63	Noise climate dominated by road
16:30	15:00	52.1	54.3	46.5	64	traffic noise along A17
16:45	15:00	52.1	54.3	46	63.3	
17:00	15:00	53.2	55.6	47.6	62.6	
17:15	15:00	53.8	55.9	48.6	64.5	
17:30	15:00	53.6	55.7	46.2	67.9	
17:45	15:00	56.7	57.4	48	77.2	
18:00	15:00	54.1	56.4	48.1	65	
18:15	15:00	54.2	56.4	48.7	65.8	
18:30	15:00	54.2	56.9	46.1	65.5	
18:45	15:00	53.5	56.3	45.4	62.5	
19:00	15:00	53.6	56.4	45.8	65	Noise climate dominated by road
19:15	15:00	52	54.6	44.5	67.9	traffic noise along A17
19:30	15:00	53.2	55.7	43.3	72.4	
19:45	15:00	50.8	53.7	42.1	64.1	
20:00	15:00	50.6	54	40.3	61.6	
20:15	15:00	51.3	54.7	41.3	63.7	
20:30	15:00	51.3	54.5	41.7	63.8	
20:45	15:00	55.2	55.9	40.8	75.7	
21:00	15:00	52.2	55.3	42.3	63.8	
21:15	15:00	53	55.7	42.1	69.9	
21:30	15:00	50.7	54.7	37.7	63.6	Noise climate dominated by road
21:45	15:00	50.5	54.4	36.7	64.2	traffic noise along A17
22:00	15:00	53.8	55.4	39.1	77.9	
22:15	15:00	51.5	55.6	37.5	64.1	
22:30	15:00	50.5	54	34.7	64	
22:45	15:00	50.4	54.5	32.5	63.3	
Average 1515-2300		57.2	55.5	43.3	68.1	
Average 0700-2300		57.7	55.5	45.1	67	

Noise & Vibration Consultants Ltd

Date: Monday 21st - Tuesday 22nd May 2007

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Site: Mount Lane

TABLE 24

Client: Axis

Project: Sleaford Renewable Energy Plant

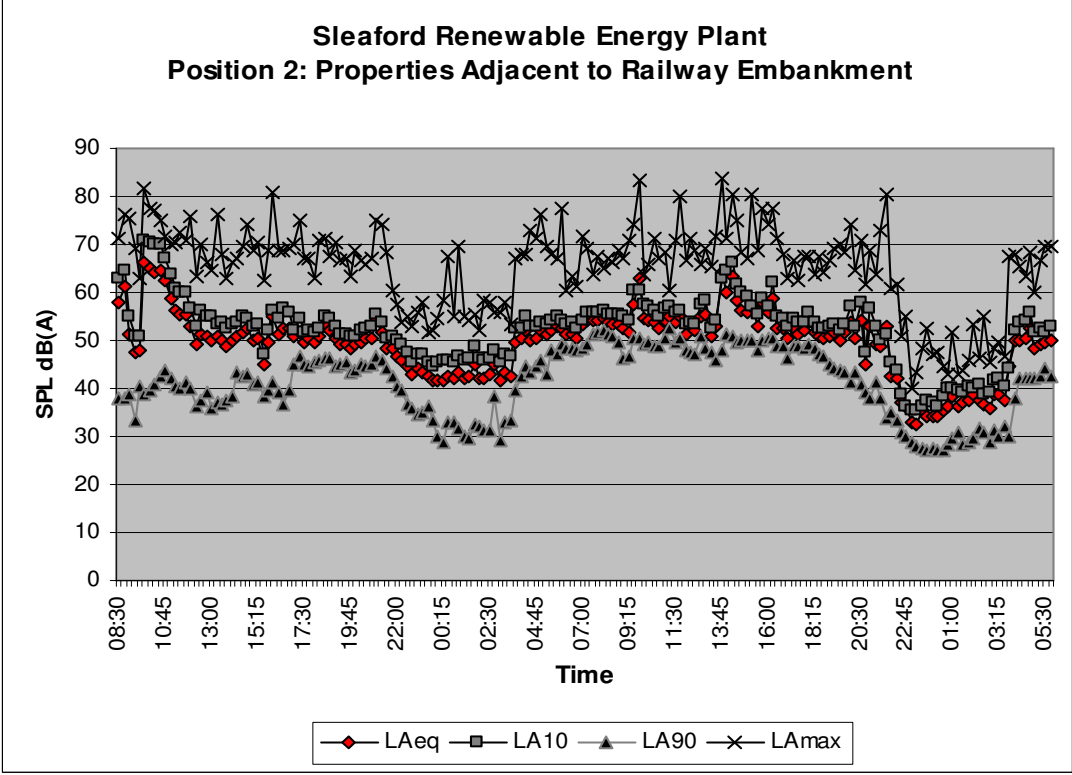
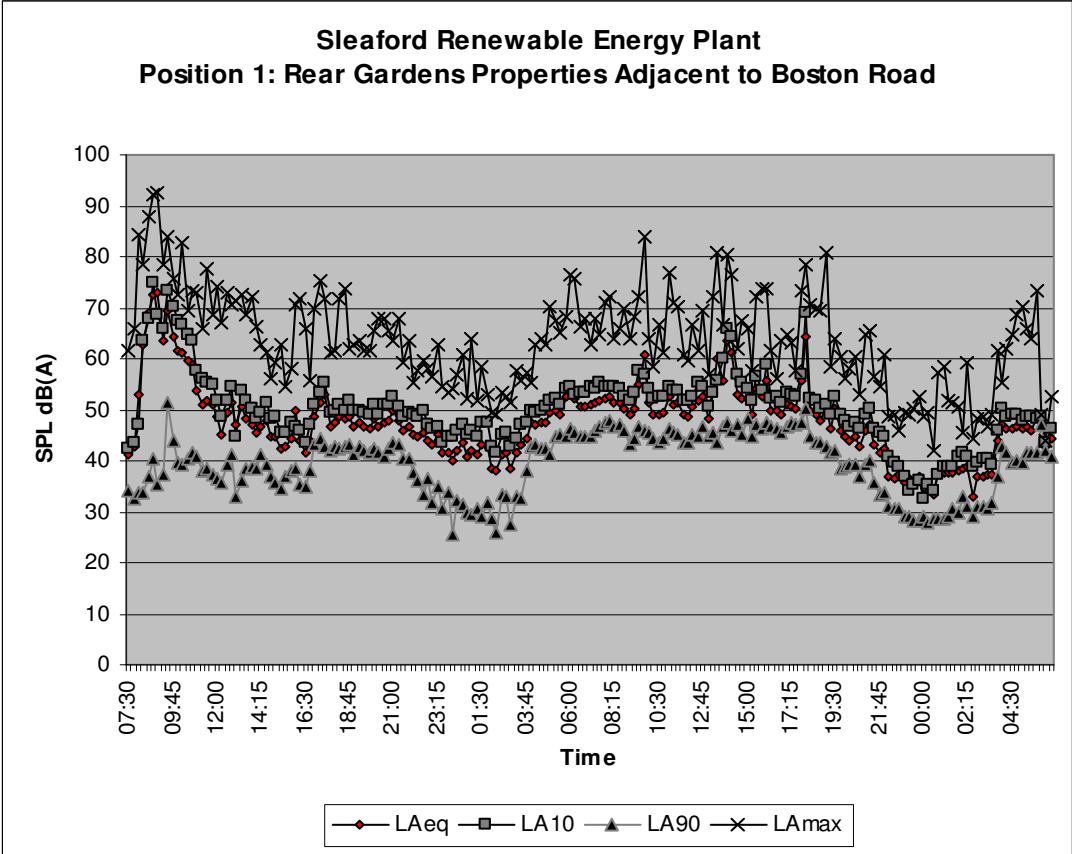
Data: **Position 4 - Off Church Lane (east of site) rear boundary properties**

Instrumentation: Cirrus 704B Integrating Precision Sound Level Meter

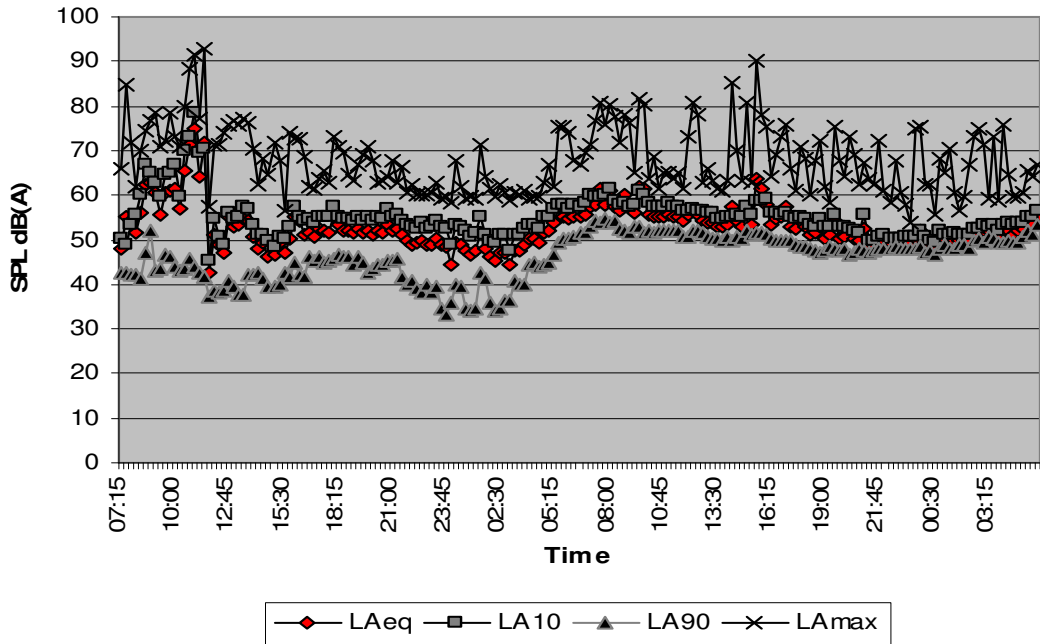
Weather Conditions: Dry, variable cloud cover, winds light from south east
temperature 10-14deg C

Calibration: 94dB

Start Time	Run Time (mins.)	LAeq (dB)	LA10 (dB)	LA90 (dB)	Lamax (dB)	Observations
23:00	15:00	52	55.5	35	63.7	Noise climate dominated by road traffic noise along A17
23:15	15:00	51.9	55.6	30.9	65.8	
23:30	15:00	50.9	54.5	30.6	66.3	
23:45	15:00	51.9	56.2	30.9	64.5	
00:00	15:00	52.3	55.9	30.6	66.4	
00:15	15:00	51.6	55.1	30.1	68	
00:30	15:00	51.7	55.2	30.7	70.1	
00:45	15:00	54.6	58.5	34.8	68.7	
01:00	15:00	54	56.7	30.6	69.8	
01:15	15:00	52.4	55.6	31.8	68	
01:30	15:00	50.5	54.4	34.7	63.3	
01:45	15:00	49.2	53.2	30.6	61.2	
02:00	15:00	53.9	57.8	35.5	66.5	
02:15	15:00	52.7	57	30.9	64.9	
02:30	15:00	50.9	55.5	32.3	62.4	
02:45	15:00	52.7	56.4	36.3	65.1	
03:00	15:00	54.3	58.1	34.8	67.1	
03:15	15:00	53.5	57.4	32.6	65.1	
03:30	15:00	54	58.2	35.7	64.2	
03:45	15:00	56.4	59.6	45.5	66.6	
04:00	15:00	57	60.6	46.4	67.7	
04:15	15:00	57.5	60.9	47.3	68.8	
04:30	15:00	55.8	58.6	48.6	67	
04:45	15:00	57.7	61.3	47.4	68.7	
05:00	15:00	57.3	60.6	49.5	67.3	
05:15	15:00	59.5	62.1	52.1	69.3	
05:30	15:00	60.9	63.2	53.8	68.8	
Average 2300-0545		55	57.5	37.4	66.4	



**Sleaford Renewable Energy Plant
Position 3: Rear Garden No. 36 Mount Lane**



**Sleaford Renewable Energy Plant
Position 4: Rear Gardens Properties off Church Lane**

