

## Kincardine Crossing Noise Survey at Inch House between 23/01/01 and 29/01/01

CEL SoundTrack - dB21 1.2 © CEL Instruments Ltd 1998

### Run Summary

Logging times:	<u>dd/mm/yyyy</u>	<u>hh:mm:ss</u>	Duration <u>hh:mm:ss.ss</u>
Start of run	23/01/2001	15:00:00	
End of run	29/01/2001	15:37:22	
Duration of run			144:37:22.64
Total pause time			00:00:03.04
Overload occurred	Yes		
Total overload time		00:09:49.62	
Under-range occurred	Yes		
Low battery occurred	No		

### User calibration information:

Instrument last checked on	23/01/2001	14:56:35
Input	Microphone	

### Setup information:

Setup name	User Setup 1
Model number	CEL-480 Version 2.0
Serial number	100287
Run Mode	Broadband SLM
Frequency weighting for RMS	A
Frequency weighting for Peak	Z
Time weighting	Fast
Measurement range	30 - 100dB
Exchange rate (Q)	3
Period time	01:00:00
Exposure duration	00:00:00
Threshold	70 dB

### Time history profiles:

Profiles:	Off
Profile sample interval	n.a.

Profile function 1	n.a.
Profile function 2	n.a.

### Cumulative period results

Number of records	144
Start of run	23/01/2001 15:00:00
Duration of run	144:37:22.64
Overload occurred	Yes
Under-range occurred	Yes
Low battery occurred	No
Pause was used	Yes

Function	Level (dB)
LAFmx	91.2
LAFmn	---.-
LAeq	54.5
LZpk	104.8
LAE	111.7
LEP,d	67.1
LTm3	64.0
LTm5	65.6
LAF10	54.0
LAF50	45.5
LAF90	39.0
LAF95	37.5
LAF99	33.0

## Cumulative Period Results

Number of records 144

LAFmx	LAFmn	LAeq	LZpk	LAE	LEP,d	LTm3	LTm5	LAF10	LAF50	LAF90	LAF95	LAF99
91.2	---.-	54.5	104.8	111.7	67.1	64.0	65.6	54.0	45.5	39.0	37.5	33.0

## Period Results

Period

Number	Date	Time	LAFmx	LAFmn	LAeq	LZpk	LAE	LEP,d	LTm3	LTm5	LAF10	LAF50	LAF90	LAF95	LAF99
1	23/01/01	15:00	88.2	46.7	55.0	104.8	90.5	45.9	61.4	63.2	56.0	52.5	50.0	49.0	48.5
2	23/01/01	16:00	68.3	46.4	54.5	104.8	90.1	45.5	56.9	57.7	57.0	53.0	50.5	49.5	48.5
3	23/01/01	17:00	69.6	46.3	53.3	104.8	88.9	44.3	56.0	56.8	55.5	52.0	49.5	49.0	48.0
4	23/01/01	18:00	64.7	44.5	50.9	102.7	86.5	41.9	53.0	53.6	53.0	50.0	47.5	47.0	46.0
5	23/01/01	19:00	63.9	43.6	49.0	100.4	84.5	39.9	50.6	51.1	50.5	48.0	46.5	46.0	45.0
6	23/01/01	20:00	60.9	43.2	48.8	94.9	84.4	39.8	50.5	51.0	50.5	48.0	46.0	45.5	45.0
7	23/01/01	21:00	64.1	39.7	47.9	99.6	83.4	38.9	49.7	50.3	50.5	46.5	42.5	42.0	41.0
8	23/01/01	22:00	60.4	38.5	44.5	102.2	80.1	35.5	46.4	47.0	45.5	42.5	41.0	40.5	40.0
9	23/01/01	23:00	63.2	37.6	43.4	95.2	79.0	34.4	46.2	47.1	44.5	41.5	39.5	39.5	39.0
10	24/01/01	00:00	59.0	37.9	42.9	100.7	78.4	33.8	44.7	45.2	44.5	42.0	40.5	40.0	39.5
11	24/01/01	01:00	63.8	37.2	44.3	104.8	79.9	35.3	47.1	47.7	47.0	43.0	40.5	40.0	38.5
12	24/01/01	02:00	60.9	36.7	43.2	99.5	78.8	34.2	44.8	45.4	46.0	41.5	39.5	39.0	38.0
13	24/01/01	03:00	87.3	37.5	57.7	104.8	93.3	48.7	65.3	67.1	59.5	55.0	41.0	40.0	39.0
14	24/01/01	04:00	90.6	46.7	57.3	104.8	92.8	48.2	66.7	68.2	58.0	55.0	51.5	50.5	49.0
15	24/01/01	05:00	89.2	45.3	54.0	104.8	89.6	45.0	61.4	63.3	56.0	52.0	48.5	48.0	47.0
16	24/01/01	06:00	89.8	47.4	59.9	104.8	95.5	50.9	70.7	72.6	59.5	55.5	52.0	51.0	49.5
17	24/01/01	07:00	91.0	50.1	64.8	104.8	100.4	55.8	75.1	76.4	63.0	58.0	54.0	53.5	52.5
18	24/01/01	08:00	91.2	52.9	71.3	104.8	106.8	62.2	81.6	83.0	70.5	65.5	61.0	59.5	58.0
19	24/01/01	09:00	90.9	49.4	68.4	104.8	103.9	59.3	79.2	80.9	68.0	62.0	55.0	54.0	51.5
20	24/01/01	10:00	88.8	47.2	56.5	104.8	92.0	47.4	64.2	66.1	58.0	54.0	50.5	50.0	48.5
21	24/01/01	11:00	91.0	49.3	65.5	104.8	101.1	56.5	76.3	78.0	64.5	59.5	54.0	53.0	51.5
22	24/01/01	12:00	89.7	44.7	60.3	104.8	95.9	51.3	70.5	72.7	61.0	55.5	50.5	49.5	47.0
23	24/01/01	13:00	87.9	43.4	56.0	104.8	91.6	47.0	65.1	67.1	57.5	53.0	48.5	46.5	44.5
24	24/01/01	14:00	87.0	45.4	57.1	104.8	92.6	48.1	64.2	66.2	58.5	54.0	50.5	49.5	48.0
25	24/01/01	15:00	68.2	43.4	51.5	104.8	87.1	42.5	53.6	54.2	54.5	50.0	46.0	45.5	45.0
26	24/01/01	16:00	68.0	42.3	50.3	100.2	85.8	41.2	53.0	53.8	54.5	47.0	44.5	44.0	43.5
27	24/01/01	17:00	66.8	42.5	49.4	98.9	84.9	40.3	51.6	52.4	53.0	46.0	44.0	43.5	43.5
28	24/01/01	18:00	62.6	42.1	47.1	101.3	82.6	38.0	48.7	49.3	49.0	45.0	44.0	43.5	43.0
29	24/01/01	19:00	61.8	40.4	45.8	103.0	81.3	36.7	47.4	47.9	47.0	44.0	42.5	42.5	42.0
30	24/01/01	20:00	60.4	40.4	45.9	100.9	81.5	36.9	47.6	48.1	48.0	43.5	42.5	42.0	41.5
31	24/01/01	21:00	61.6	40.0	45.5	99.7	81.1	36.5	47.1	47.7	47.5	43.5	42.0	41.5	41.0

32	24/01/01	22:00	58.8	38.1	43.3	92.8	78.9	34.3	44.7	45.1	44.0	42.0	40.5	40.0	39.5
33	24/01/01	23:00	66.1	38.4	43.1	90.6	78.7	34.1	45.1	45.5	43.0	41.5	40.0	40.0	39.5
34	25/01/01	00:00	56.9	36.8	41.2	91.0	76.8	32.2	42.4	42.7	42.5	40.5	39.0	39.0	38.0
35	25/01/01	01:00	48.5	35.5	40.1	88.7	75.7	31.1	41.3	41.5	42.0	39.5	38.0	37.5	37.0
36	25/01/01	02:00	54.2	37.8	42.3	81.7	77.8	33.2	43.3	43.5	43.5	42.0	40.0	39.5	39.0
37	25/01/01	03:00	56.6	37.6	42.6	85.7	78.1	33.5	43.7	44.1	44.0	42.0	40.5	40.0	39.5
38	25/01/01	04:00	58.8	39.0	44.5	89.9	80.0	35.4	46.2	46.7	46.0	43.0	42.0	41.5	40.5
39	25/01/01	05:00	61.8	39.7	46.1	94.8	81.6	37.0	47.8	48.4	49.0	43.5	42.0	41.5	41.0
40	25/01/01	06:00	64.0	43.0	49.1	94.9	84.7	40.1	51.3	52.1	52.0	47.0	45.5	45.0	44.0
41	25/01/01	07:00	66.1	45.6	52.6	94.2	88.2	43.6	55.0	55.7	56.0	50.5	47.5	47.0	46.5
42	25/01/01	08:00	65.0	45.9	51.8	95.6	87.4	42.8	53.9	54.6	55.0	49.5	47.5	47.5	47.0
43	25/01/01	09:00	67.8	45.2	50.0	96.8	85.6	41.0	52.1	52.7	52.5	48.5	47.0	46.5	46.5
44	25/01/01	10:00	67.8	44.0	49.8	100.5	85.4	40.8	52.6	53.3	52.0	47.5	46.0	46.0	45.5
45	25/01/01	11:00	70.4	43.3	50.9	103.6	86.4	41.9	53.2	53.9	52.5	48.0	46.0	45.5	44.5
46	25/01/01	12:00	68.5	42.9	51.0	104.8	86.6	42.0	53.2	53.9	54.0	48.5	45.5	45.0	44.0
47	25/01/01	13:00	66.9	43.6	50.7	98.4	86.2	41.7	53.8	54.6	54.0	48.5	46.0	45.5	45.0
48	25/01/01	14:00	69.3	44.0	50.5	102.2	86.1	41.5	52.7	53.4	53.0	48.0	46.0	46.0	45.0
49	25/01/01	15:00	65.6	44.9	51.9	104.8	87.5	42.9	54.1	54.9	55.0	50.0	47.0	46.5	46.0
50	25/01/01	16:00	86.5	45.0	54.3	104.8	89.9	45.3	59.4	60.9	57.0	52.0	48.0	47.5	46.5
51	25/01/01	17:00	74.1	44.5	53.3	104.8	88.9	44.3	56.4	57.4	56.5	51.5	47.5	47.0	46.0
52	25/01/01	18:00	67.1	46.9	53.0	104.8	88.6	44.0	54.5	55.0	55.5	52.0	49.5	49.0	48.0
53	25/01/01	19:00	85.5	44.7	52.6	104.8	88.2	43.6	59.3	61.1	55.0	50.5	47.5	47.0	46.5
54	25/01/01	20:00	83.8	41.0	51.0	104.8	86.6	42.0	56.6	57.9	53.5	48.5	43.5	43.0	42.0
55	25/01/01	21:00	60.5	40.1	46.5	104.4	82.1	37.5	48.4	49.1	50.0	43.5	42.0	41.5	41.0
56	25/01/01	22:00	59.5	39.0	43.5	103.6	79.1	34.5	45.1	45.5	44.0	42.0	41.0	40.5	40.0
57	25/01/01	23:00	59.5	38.2	42.8	103.5	78.4	33.8	44.3	44.8	44.0	41.5	40.5	40.0	39.5
58	26/01/01	00:00	61.8	39.3	48.2	104.8	83.8	39.2	49.8	50.3	51.5	46.0	42.0	41.5	41.0
59	26/01/01	01:00	89.8	41.5	52.6	104.8	88.1	43.5	62.8	64.8	53.0	48.5	45.5	44.5	43.0
60	26/01/01	02:00	62.7	39.1	45.1	104.8	80.6	36.0	46.7	47.2	47.0	44.5	42.5	42.0	41.0
61	26/01/01	03:00	68.1	36.9	44.1	103.9	79.7	35.1	46.5	47.6	45.5	42.0	39.5	39.0	38.0
62	26/01/01	04:00	61.6	35.7	44.6	104.8	80.2	35.6	47.0	47.7	47.5	41.5	38.5	38.0	37.0
63	26/01/01	05:00	64.0	40.5	49.4	104.8	84.9	40.3	51.3	51.9	53.0	46.5	43.0	42.5	42.0
64	26/01/01	06:00	63.1	41.8	48.6	98.1	84.1	39.5	50.3	51.0	52.0	45.5	44.0	43.5	43.0
65	26/01/01	07:00	69.7	43.4	52.1	102.0	87.7	43.1	55.1	55.8	56.0	49.5	45.5	45.5	45.0
66	26/01/01	08:00	69.2	43.9	51.0	97.9	86.6	42.0	53.8	54.6	55.0	47.5	46.0	45.5	45.0
67	26/01/01	09:00	71.6	43.9	49.9	101.9	85.4	40.8	53.0	54.3	52.0	47.5	46.0	45.5	45.0
68	26/01/01	10:00	71.7	44.0	50.4	104.8	86.0	41.4	53.7	54.5	52.5	49.0	47.0	46.5	45.0
69	26/01/01	11:00	83.3	45.0	51.8	104.8	87.3	42.7	56.2	57.6	54.0	50.0	48.0	47.5	46.5
70	26/01/01	12:00	69.1	42.8	50.8	104.8	86.3	41.7	53.0	53.7	54.0	48.5	45.0	44.5	44.0
71	26/01/01	13:00	67.4	43.4	50.9	104.8	86.4	41.8	53.8	54.6	54.0	48.5	46.5	46.0	45.0
72	26/01/01	14:00	74.9	44.6	51.6	104.8	87.1	42.5	53.9	54.7	55.0	49.5	47.0	47.0	46.0
73	26/01/01	15:00	64.5	44.3	51.5	104.8	87.1	42.5	53.6	54.3	54.5	49.5	47.0	46.5	45.5

74	26/01/01	16:00	66.7	43.2	49.3	101.2	84.9	40.3	51.9	52.6	52.5	46.5	45.0	44.5	44.0
75	26/01/01	17:00	64.6	42.9	48.6	103.2	84.1	39.5	50.4	50.9	51.5	46.0	44.5	44.0	43.5
76	26/01/01	18:00	60.9	42.4	46.9	104.5	82.5	37.9	48.7	49.3	48.5	45.5	44.0	44.0	43.5
77	26/01/01	19:00	61.8	41.0	46.7	102.6	82.3	37.7	48.4	48.9	49.0	44.5	43.5	43.0	42.5
78	26/01/01	20:00	58.2	41.4	46.8	104.8	82.4	37.8	48.8	49.4	49.0	45.5	43.5	43.0	42.5
79	26/01/01	21:00	61.4	38.7	45.8	104.7	81.4	36.8	47.9	48.5	48.5	43.5	41.5	41.0	40.0
80	26/01/01	22:00	56.9	36.9	43.5	101.4	79.0	34.4	45.5	46.0	45.0	42.0	40.0	39.5	38.5
81	26/01/01	23:00	59.8	36.4	45.2	104.8	80.8	36.2	47.4	48.0	48.5	43.5	39.5	38.5	38.0
82	27/01/01	00:00	60.8	36.3	42.0	99.9	77.5	32.9	43.8	44.5	43.0	40.5	38.5	38.0	37.5
83	27/01/01	01:00	58.6	35.6	41.6	103.0	77.2	32.6	43.8	44.4	43.5	40.5	38.0	37.5	37.0
84	27/01/01	02:00	51.0	34.8	39.8	104.8	75.3	30.7	41.6	42.1	42.0	39.0	37.0	36.5	36.0
85	27/01/01	03:00	48.9	32.9	38.7	98.9	74.3	29.7	40.5	41.0	41.0	38.0	35.5	35.0	34.5
86	27/01/01	04:00	59.4	34.9	42.5	98.2	78.1	33.5	44.6	45.1	44.0	40.0	37.5	37.0	36.0
87	27/01/01	05:00	59.4	35.3	46.0	93.9	81.6	37.0	48.0	48.8	50.0	42.0	38.5	38.0	37.0
88	27/01/01	06:00	61.8	37.6	46.6	95.1	82.1	37.6	48.9	49.4	49.5	43.5	41.5	41.0	40.0
89	27/01/01	07:00	66.5	41.4	47.7	96.0	83.2	38.6	50.7	51.4	50.0	46.0	44.0	43.5	42.5
90	27/01/01	08:00	66.9	41.5	47.5	98.8	83.1	38.5	50.4	51.3	49.5	46.0	44.0	43.5	43.0
91	27/01/01	09:00	72.0	39.8	47.5	101.4	83.1	38.5	52.2	53.5	49.0	44.5	43.0	42.5	41.5
92	27/01/01	10:00	72.2	38.5	53.8	99.8	89.3	44.7	56.5	57.6	51.0	44.0	41.5	41.0	40.0
93	27/01/01	11:00	72.3	38.2	53.5	99.7	89.1	44.5	56.1	56.7	52.5	44.5	42.0	41.5	40.5
94	27/01/01	12:00	66.4	39.1	47.3	97.2	82.8	38.2	50.0	50.7	51.0	44.0	42.0	41.5	40.5
95	27/01/01	13:00	64.9	37.2	47.7	99.5	83.2	38.7	49.9	50.7	51.0	44.0	41.5	41.0	39.5
96	27/01/01	14:00	69.9	39.9	47.7	95.6	83.3	38.7	51.1	52.0	50.0	45.5	43.0	42.5	41.5
97	27/01/01	15:00	64.7	38.8	47.6	96.5	83.2	38.6	49.7	50.3	50.5	45.5	43.0	42.0	40.5
98	27/01/01	16:00	63.0	42.1	47.6	86.2	83.2	38.6	50.1	50.8	49.5	46.0	44.5	44.0	43.5
99	27/01/01	17:00	59.8	39.6	46.2	94.9	81.7	37.2	47.8	48.3	48.5	44.5	42.5	42.0	41.0
100	27/01/01	18:00	57.7	38.6	44.6	94.9	80.2	35.6	46.1	46.5	46.5	43.0	41.0	40.5	40.0
101	27/01/01	19:00	57.4	37.6	43.6	87.6	79.1	34.5	45.0	45.4	45.0	42.5	40.5	40.0	39.5
102	27/01/01	20:00	56.4	33.4	40.4	87.4	75.9	31.3	41.9	42.5	41.5	38.5	36.5	36.0	34.5
103	27/01/01	21:00	58.1	35.1	42.7	82.0	78.3	33.7	44.4	45.0	44.5	41.0	38.0	37.5	36.5
104	27/01/01	22:00	57.5	32.8	41.8	84.7	77.4	32.8	43.4	43.9	43.5	40.5	37.0	36.5	35.0
105	27/01/01	23:00	56.6	34.0	41.1	81.7	76.6	32.0	42.5	43.0	42.5	40.0	38.0	37.0	36.0
106	28/01/01	00:00	56.2	32.8	40.1	77.5	75.7	31.1	41.6	42.1	42.0	39.0	37.0	36.0	35.0
107	28/01/01	01:00	56.3	33.2	40.9	85.2	76.4	31.8	42.7	43.3	43.0	39.0	36.5	36.0	35.0
108	28/01/01	02:00	54.1	30.9	39.2	78.1	74.7	30.1	41.2	41.8	42.0	38.0	34.5	33.5	32.5
109	28/01/01	03:00	53.1	29.7	37.6	84.0	73.2	28.6	39.2	39.7	41.0	35.0	32.0	31.5	30.5
110	28/01/01	04:00	53.3	30.3	37.3	87.8	72.9	28.3	39.2	39.7	39.5	36.0	33.0	32.5	32.0
111	28/01/01	05:00	58.3	30.8	42.2	83.6	77.8	33.2	44.0	44.7	44.5	39.0	35.5	34.5	32.5
112	28/01/01	06:00	61.0	34.6	44.7	91.4	80.3	35.7	46.7	47.4	49.0	41.0	38.0	37.5	36.0
113	28/01/01	07:00	68.2	37.3	45.9	85.9	81.4	36.8	49.9	50.8	47.5	43.5	40.5	40.0	39.0
114	28/01/01	08:00	76.1	35.4	47.3	88.5	82.8	38.3	55.6	56.6	47.0	42.0	39.0	38.5	37.5
115	28/01/01	09:00	66.4	37.5	46.2	92.0	81.8	37.2	50.8	51.5	48.0	43.5	41.0	40.5	39.0



Location	Date	Duration	L <sub>eq</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>
South Green Drive	20/09/00	15 min	46.8	48.5	45.0	42.5
	21/09/00	-	-	-	-	-
	23/01/01	15 min	55.4	55.0	52.0	50.5
Windyhill Avenue	20/09/00	15 min	49.8	52.0	49.0	46.0
	21/09/00	15 min	49.9	52.0	49.0	46.5
	23/01/01	15 min	53.3	55.5	52.5	50.0
North of Kincardine Power Station	20/09/00	15 min	47.9	50.0	46.0	44.0
	21/09/00	-	-	-	-	-
	23/01/01	15 min	51.8	51.5	48.5	47.5
Garden Centre/Kennet Pans Nursery	20/09/00	15 min	48.5	48.0	44.5	42.5
	21/09/00	-	-	-	-	-
	23/01/01	15 min	51.4	52.5	50.0	48.5
Broadcase Farm	20/09/00	15 min	43.5	46.0	42.0	40.5
	21/09/00	-	-	-	-	-
	23/01/01	15 min	49.8	51.5	47.0	45.0
Orchard Grove	20/09/00	15 min	45.8	48.0	44.5	42.0
	21/09/00	15 min	46.4	47.0	44.5	42.5
	23/01/01	15 min	50.5	52.5	49.0	47.5
Coastal Footpath	20/09/00	15 min	45.5	47.5	43.5	42.0
	21/09/00	15 min	46.6	48.5	46.5	44.0
	23/01/01	15 min	49.6	51.5	49.0	47.5
Inch House	20/09/00	-	-	-	-	-
	21/09/00	15 min	53.1	54.5	48.5	45.5
	23/01/01	-	-	-	-	-

### Comments on 23/01/01

#### Survey:

South Green Drive:

South-westerly Wind 1-2m/s, Constant noise from site to south of property

Windyhill Avenue:

South-westerly Wind 2m/s, Occasional noise from demolition site of Kincardine Power Station

North of Kincardine Power Station:

South-westerly Wind 3m/s, Occasional noise from demolition site of Kincardine Power Station

Garden Centre :

South-westerly Wind 3m/s, Car stopped approx 1.5m from meter for 30secs

Broadcase Farm :

South-westerly Wind 3m/s

Orchard Grove :

South-westerly Wind 1-2m/s

Coastal Footpath :

South-westerly Wind 1-2m/s

Instruments Employed		
TYPE	NUMBER	
CEL-480. C1 with outdoor protection system	-	
<b>CALIBRATION:</b>	BEFORE: 114	AFTER:114
<b>MICROPHONE HEIGHT:</b> 1.2m		
<b>WEATHER:</b> Overcast		
<b>WIND:</b>	SPEED: 1-3m/s	DIRECTION: South-West