

Chapter 9 AIR – NOISE & VIBRATION

- Appendix 9.1 2009 Baseline Survey Results

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APPENDIX 9.1

2009 BASELINE SURVEY RESULTS

Measurement Details				Measurement Results in Decibels				
Post-Year	Date	Start	Run Time	dB Day	20 L1max	20 L10	20 L50	20 L90
1	17/07/2009	12:43:35	31.02	45.5	76.8	50.7	42.25	38.55
2	17/07/2009	11:53:37	31.01	47	75.7	49.7	45.33	43.1
3	17/07/2009	11:10:53	30.03	54.8	80.9	59.45	46.25	43.16
4	17/07/2009	10:32:41	29.03	65.6	82.3	68.25	65	50
5	17/07/2009	09:56:39	30.06	67.7	82.1	70.45	67.25	62.05
6	16/07/2009	13:48:11	31.01	53.2	79.9	59.3	34.875	31.3
7	16/07/2009	12:51:45	32.02	41.8	72.5	45.85	34.75	30.65
8	16/07/2009	12:06:22	31.01	54.3	79.7	59.9	37.667	32.1
9	16/07/2009	10:31:09	30.03	64	81.9	66.975	63.625	36.55
10	16/07/2009	11:11:34	30.03	44.2	72.6	43.475	37.4167	33.78
11	15/07/2009	14:02:28	29.01	54.4	78.5	59.9	51.5	33
12	15/07/2009	13:25:14	30.02	59.9	80.9	64	57.75	40.5
13	15/07/2009	12:29:37	29.03	61.2	81.5	65	60.5	34.5
14	15/07/2009	11:46:01	30.03	53	78.3	57.45	40.375	34.55
15	15/07/2009	11:04:27	30.07	33.6	62.1	36.317	32.25	28.28
16	15/07/2009	10:19:37	30.03	52.2	81.2	54.45	35.25	29.55
17	14/07/2009	14:32:38	29.21	62.9	80.6	66.25	63	41
18	14/07/2009	13:49:51	30.02	49.7	76.8	52.725	35.75	32.51
19	14/07/2009	11:24:37	29.06	35.9	72.7	39.75	30.25	27.15
20	14/07/2009	10:40:17	30.04	61.3	81.1	64.95	60.75	38.05
21	14/07/2009	09:51:18	30.02	44	75.6	48.45	38.25	32.05
22	13/07/2009	11:33:49	30.03	54	78.6	58.975	45.25	38.76
23	13/07/2009	10:53:42	32.02	51.6	77.7	57.425	38.625	33.83
24	10/07/2009	14:25:46	30.03	51	78.3	49.95	35.25	30.55
25	10/07/2009	13:41:25	30.17	33.6	65.4	35.95	32.75	27.78
26	10/07/2009	12:52:21	30.02	35.4	59.5	37.475	32.56	29.28
27	10/07/2009	12:16:19	30.02	32.8	57.5	36.95	30.25	27.05

2009 Baseline Survey Results

Measurement Details				Measured noise levels in Decibels				
Position	Date	Start	Run Time	dBL Avg	20 L Aeq	05 L Aeq	10 L Aeq	dBL Aeq
1	04/08/2009	21:33:26	30.03	48.5	70.2	48.98	48.66	48.1
2	04/08/2009	22:18:03	30.08	50.8	80.1	52.95	48.90	48.53
3	04/08/2009	22:53:58	30.02	49.4	66.3	50.24	49.37	29.01
4	04/08/2009	23:50:52	30.15	58.7	81.2	63.29	49.625	48.66
5	04/08/2009	00:44:26	29.04	62.6	82.2	67	57.5	48.15
6	05/08/2009	01:30:10	30.02	48.5	65.6	48.92	48.61	48.06
7	05/08/2009	02:08:45	30.02	48.3	68.9	48.83	48.31	48.03
8	05/08/2009	03:00:47	34.03	48.5	62.5	48.94	48.625	48.11
9	05/08/2009	03:45:57	30.03	48.2	59.1	48.48	48.23	47.89
10	05/08/2009	04:32:06	30.04	53.7	79.7	50.95	48.29	48.02
11	05/08/2009	21:28:54	31:12	51.4	77.9	50.4	48.83	48.53
12	05/08/2009	22:10:54	30.03	50.5	76.9	50.475	48.93	48.14
13	05/08/2009	22:51:53	29.02	48.7	70.4	49.25	48.32	47.65
14	05/08/2009	23:31:53	30.02	48.5	70.1	48.63	48.42	47.57
15	06/08/2009	01:10:39	31.04	48.8	67.5	49.4	48.32	48.04
16	06/08/2009	01:50:19	30.03	49.2	69.5	50.45	47.85	47.55
17	06/08/2009	02:34:31	29.05	50.4	72.9	51.5	58.78	48.54
18	06/08/2009	03:12:30	30.04	50.7	71.5	53.95	49.36	49.05
19	06/08/2009	03:53:28	29.07	48.8	70.6	49	48.78	48.56
20	06/08/2009	04:32:27	30.04	48.7	70.6	48.965	58.75	48.55
21	06/08/2009	05:17:05	29.14	54.9	80.4	63	45.84	45.57
22	12/08/2009	00:46:30	29.06	55	80.6	61.5	45	40
23	12/08/2009	00:09:17	30.03	36.5	73	40.95	27.08	23.68
24	11/08/2009	23:19:28	30.02	50.9	80.8	46.95	35.25	30.03
25	11/08/2009	22:07:38	30.02	49.9	78.2	52.95	35.32	33.28
26	11/08/2009	22:44:07	30.13	49.3	78.2	52.94	38.92	35.85
27	11/08/2009	21:28:13	31.02	49.5	78	53.98	34.88	31.8