



MEMORANDUM

To: Robert Miller
Turner Construction

From: Zack Dennis
ATS Consulting

Date: December 13, 2007

Subject: Monthly Noise Report for Raintree Noise Monitors, October 2007

This memorandum presents the results of the noise monitoring near the Raintree residential complex near the West Los Angeles College (WLAC) campus. There are four monitors positioned near the property lines of the Raintree complex to monitor truck noise from the haul road that runs from the northwest corner of campus to Jefferson Boulevard. Each monitor is an independent station consisting of a microphone, sound level meter, cell phone modem, and assorted ancillary equipment. The locations of the monitors are shown in Figure 1.

Currently Monitors 3 and 4 are not active due to problems providing power. We are working with Raintree to provide AC power to the units and will begin reporting data as soon as this occurs.

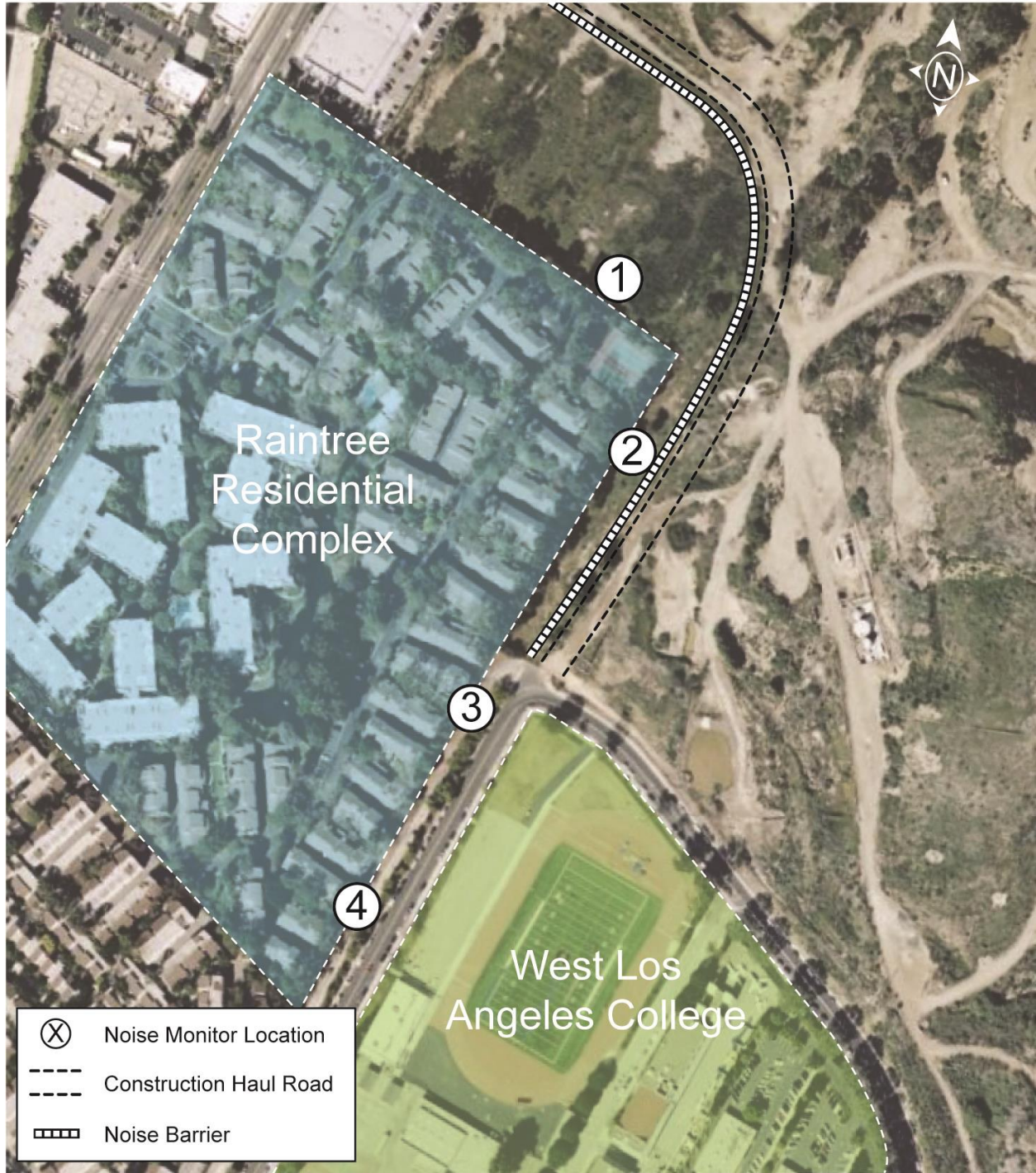


Figure 1: Noise Monitor Locations

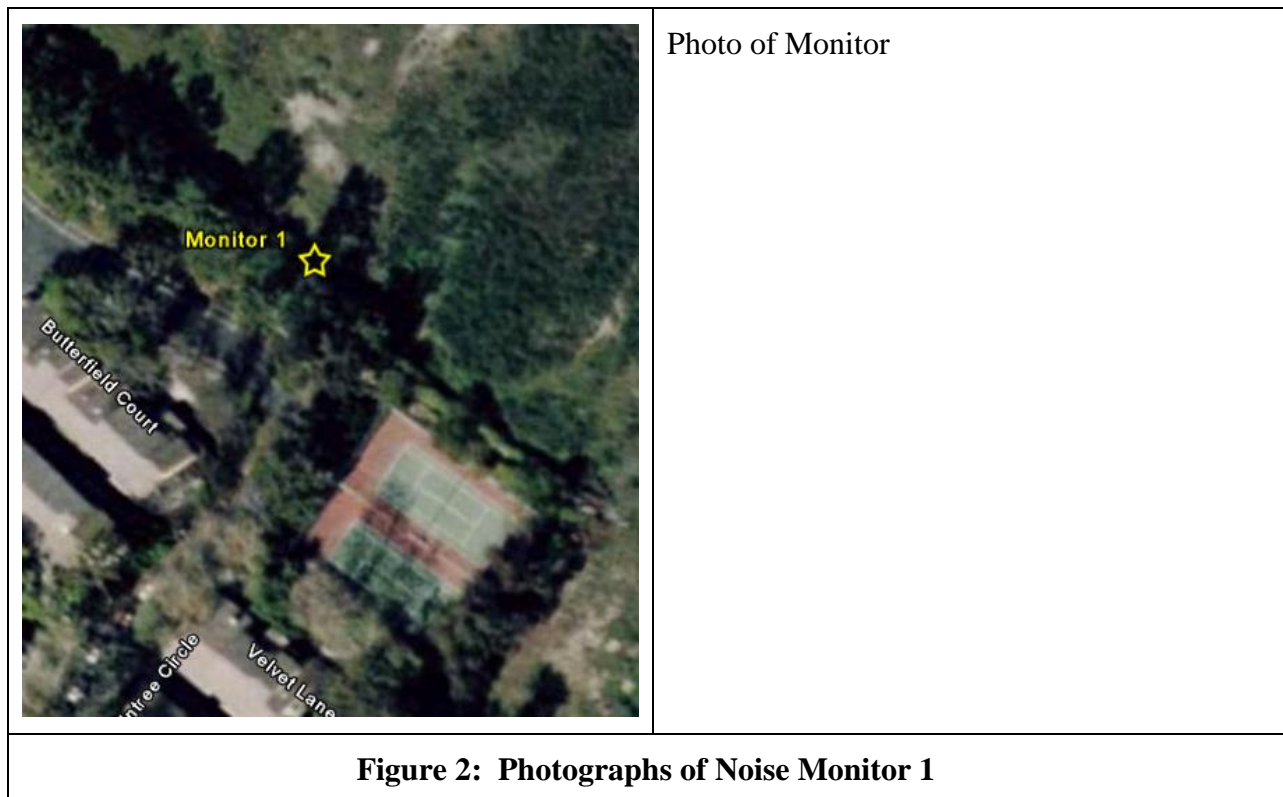


Monitor 1

Monitor 1 is located to the northeast of the Raintree complex, near the property wall that separates Raintree Circle from where the haul road cuts through to Jefferson Boulevard. Due to topography, the microphone head is approximately level with the upper stories of the Raintree residences. The monitor is located about 250 feet away from the closest point on the haul road. Prior to construction activity, the primary noise sources in this area were residential traffic noise and athletic activity on the nearby tennis courts.

Table 1. Summary of Monthly Results, Monitor 1				
Metric	Sound Level, dBA			
	Average	Maximum	Minimum	Standard Deviation
Day-Night Sound Level (Ldn)	54	58	49	2.3
Daytime Hourly Leq	51	59	45	3.3

Source: ATS Consulting, 2005



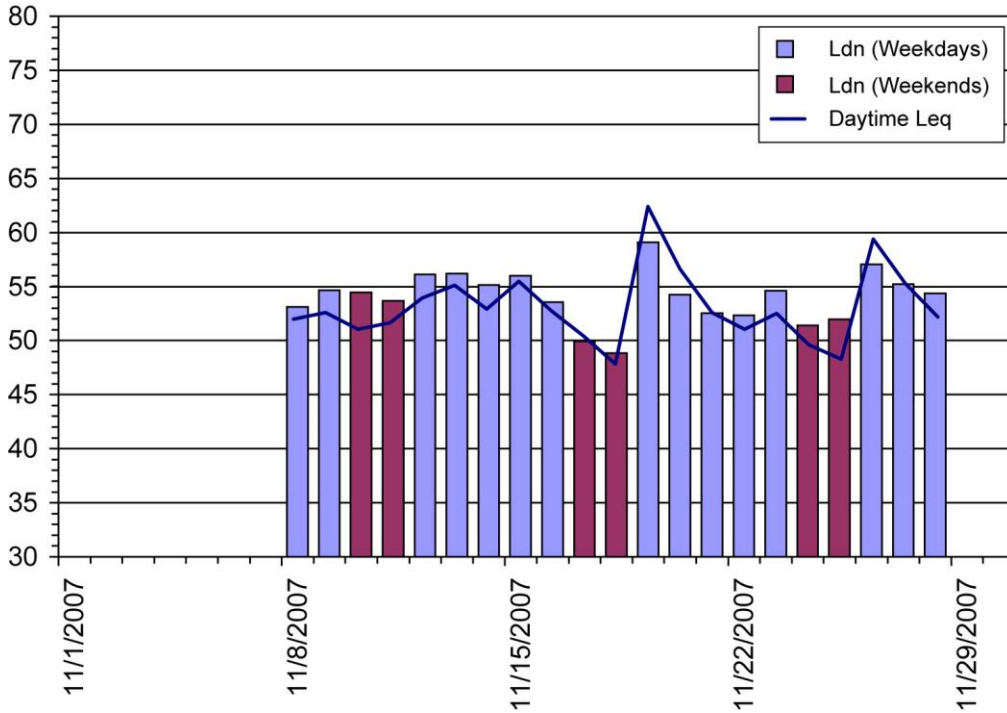


Figure 3: Ldn and Daytime Leq Results

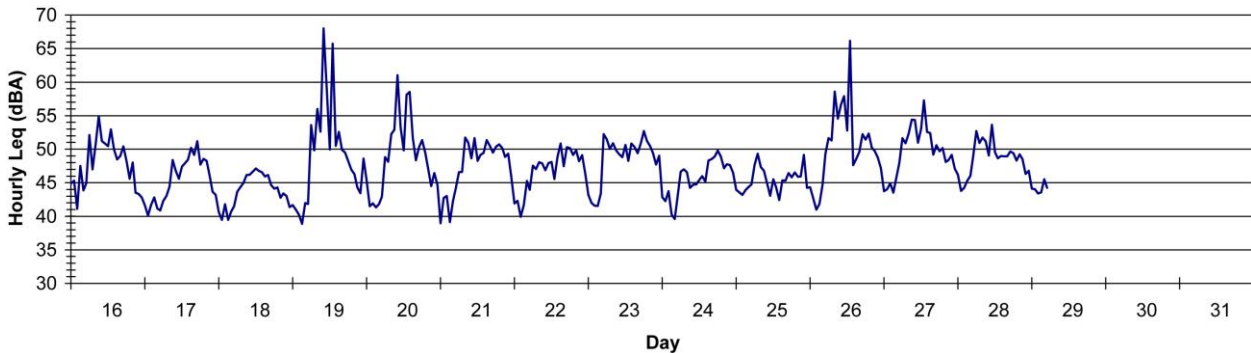
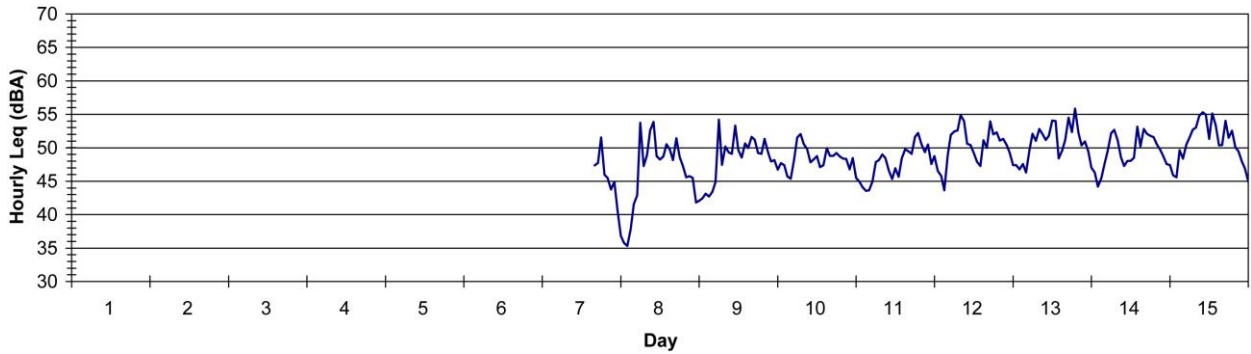


Figure 4: Hourly Leq Results



**Table 2. Daily Results
Monitor 1, November 2007**

Date	Sound Level, dBA			
	Daytime Leq	Maximum	Minimum	Ldn
11/1/07	-- ¹	-- ¹	-- ¹	-- ¹
11/2/07	-- ¹	-- ¹	-- ¹	-- ¹
11/3/07	-- ¹	-- ¹	-- ¹	-- ¹
11/4/07	-- ¹	-- ¹	-- ¹	-- ¹
11/5/07	-- ¹	-- ¹	-- ¹	-- ¹
11/6/07	-- ¹	-- ¹	-- ¹	-- ¹
11/7/07	-- ¹	-- ¹	-- ¹	-- ¹
11/8/07	50	64	33	53
11/9/07	50	72	39	55
11/10/07	49	65	41	54
11/11/07	49	66	39	54
11/12/07	52	67	40	56
11/13/07	53	73	41	56
11/14/07	51	69	39	55
11/15/07	53	74	40	56
11/16/07	50	68	38	53
11/17/07	48	68	38	50
11/18/07	45	60	38	49
11/19/07	59	80	37	58
11/20/07	54	70	37	54
11/21/07	50	69	36	53
11/22/07	49	67	36	52
11/23/07	50	71	39	55
11/24/07	47	63	37	51
11/25/07	46	70	36	52
11/26/07	57	77	38	57
11/27/07	52	69	40	55
11/28/07	50	65	40	54
11/29/07	-- ²	-- ²	-- ²	-- ²
11/30/07	-- ²	-- ²	-- ²	-- ²

Notes:

1. Noise levels were not recorded due to monitor battery failure.
2. Noise levels were not recorded due to insufficient incident sunlight on photovoltaic cell.



Discussion

During the first week of November the monitor did not operate due to the batteries having been damaged during late September. Once the problem was recognized and addressed, noise levels were typical with the exception of November 19, 20, and 26.

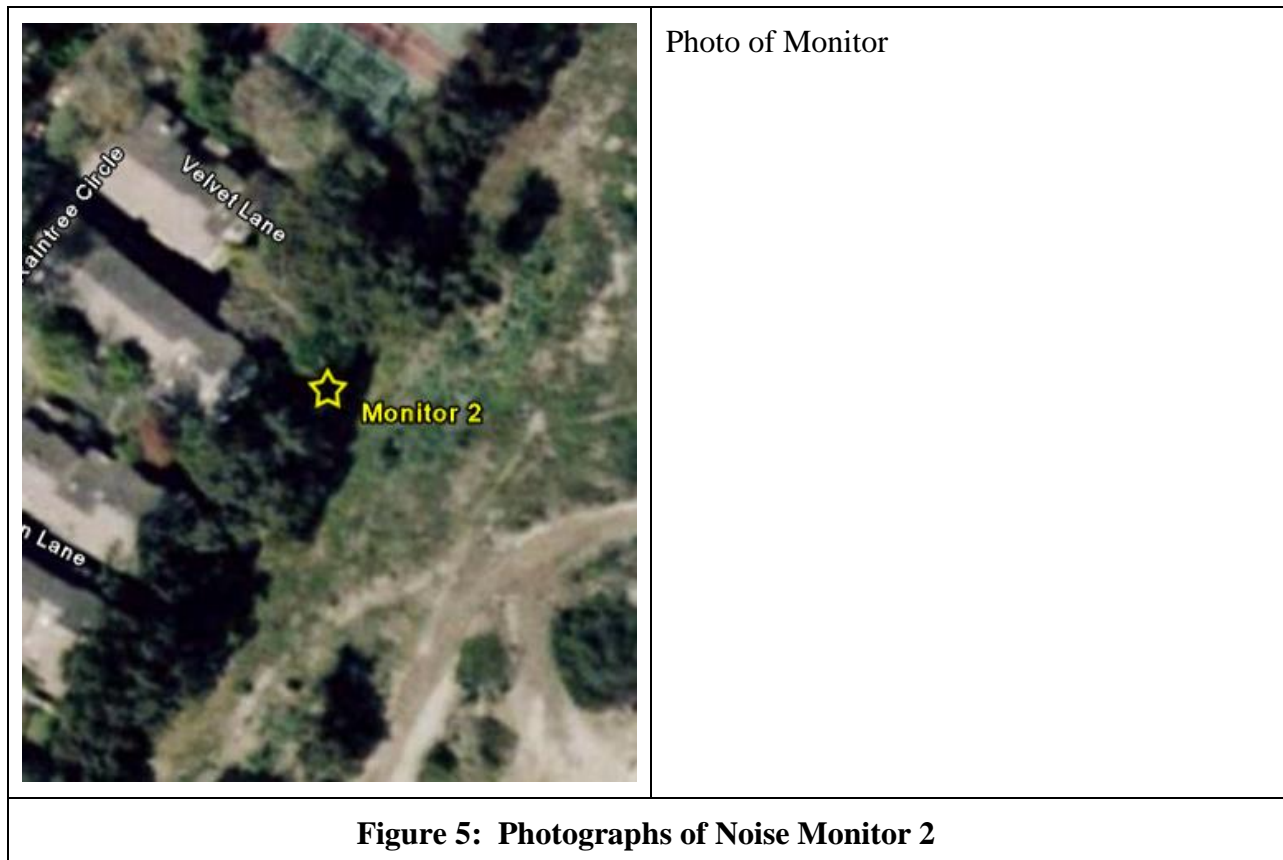


Monitor 2

Monitor 2 is located near the northeast corner of the Raintree complex, south of the tennis courts and close to the property fence on the eastern edge of the Raintree complex. The microphone head is approximately level with the lower stories of the Raintree residences. The monitor is located about 100 feet away from the closest point on the haul road. Prior to construction activity, the primary noise sources in this area were residential traffic noise and athletic activity on the nearby tennis courts.

Table 3. Summary of Monthly Results, Monitor 1				
Metric	Hourly Sound Level, dBA			
	Average	Maximum	Minimum	Standard Deviation
Day-Night Sound Level (Ldn)	54	59	48	2.2
Daytime Hourly Leq	51	60	46	3.3

Source: ATS Consulting, 2007



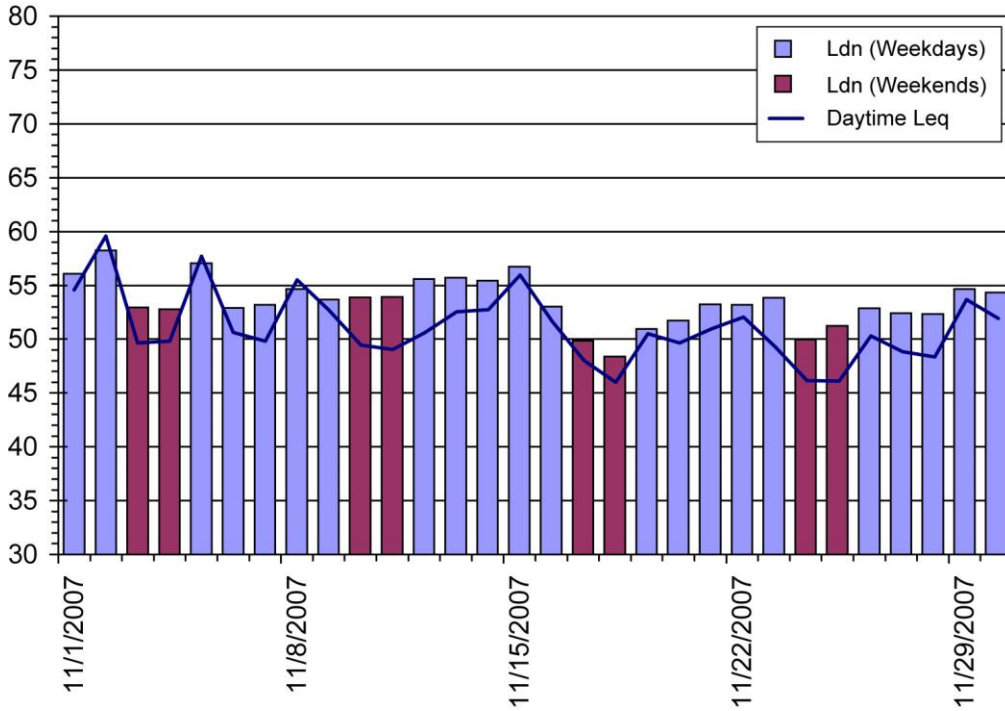


Figure 6: Ldn and Daytime Leq Results

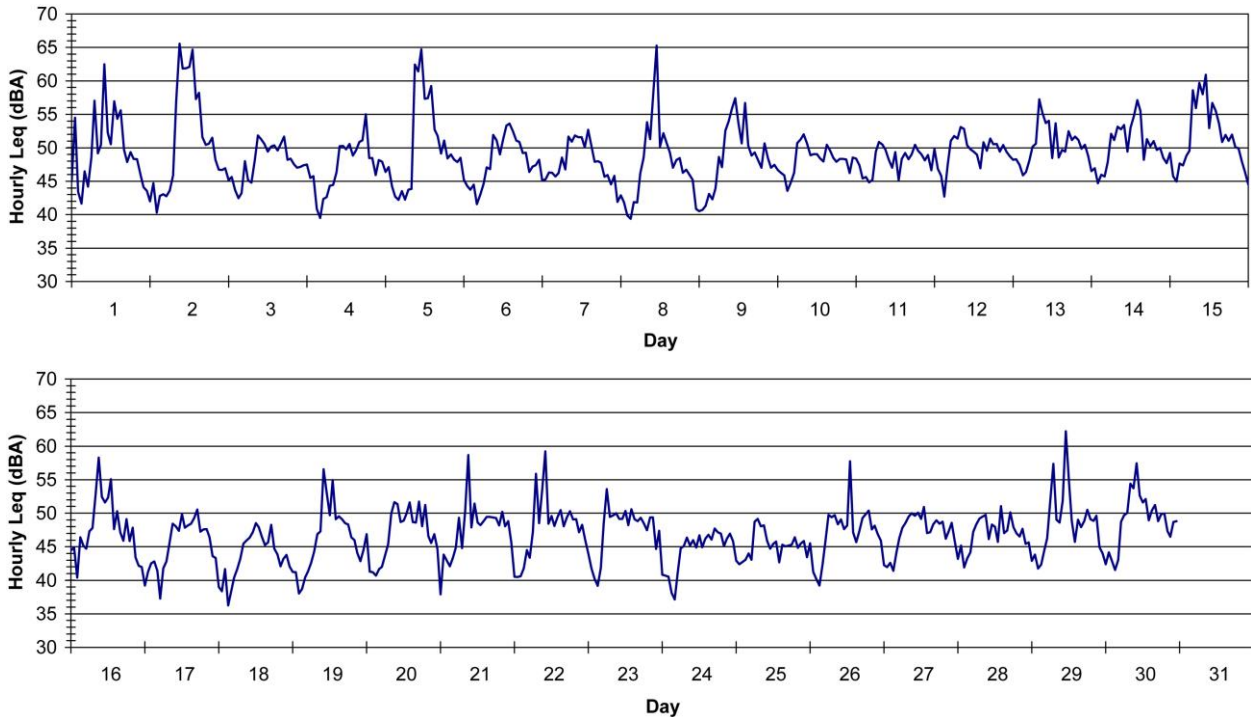


Figure 7: Hourly Leq Results



**Table 4. Daily Results
Monitor 2, November 2007**

Date	Sound Level, dBA			
	Daytime Leq	Maximum	Minimum	Ldn
11/1/07	55	75	39	56
11/2/07	60	82	37	58
11/3/07	50	66	38	53
11/4/07	50	68	36	53
11/5/07	58	79	37	57
11/6/07	51	69	38	53
11/7/07	50	68	37	53
11/8/07	56	78	34	55
11/9/07	53	73	38	54
11/10/07	49	65	39	54
11/11/07	49	68	38	54
11/12/07	51	65	39	56
11/13/07	53	65	38	56
11/14/07	53	70	38	55
11/15/07	56	76	41	57
11/16/07	52	73	37	53
11/17/07	48	68	34	50
11/18/07	46	64	33	48
11/19/07	51	67	35	51
11/20/07	50	68	35	52
11/21/07	51	76	34	53
11/22/07	52	81	34	53
11/23/07	49	68	36	54
11/24/07	46	63	35	50
11/25/07	46	61	35	51
11/26/07	50	68	37	53
11/27/07	49	61	38	52
11/28/07	48	67	37	52
11/29/07	54	77	38	55
11/30/07	52	71	39	54



Discussion