



WI #16-085

Report No. NM2-6
Glenview Elementary – Noise Monitoring

To	Wil Newby, OUSD
Prepared By	Tom Ostrander
Reviewed By	Deborah Jue
Date of Report	December 12, 2016
Location of Monitoring	NM2 – 1541 Wellington backyard
Monitoring Period Covered By Report	Monday, December 5 to Sunday, December 11, 2016
Equipment	Larson Davis 812, Serial No. 784
Construction Activities: This week included onsite processing of debris in the upper yard. There was no construction on Thursday, December 8, and Friday, December 9, due to rain.	
Comments: <u>Hourly 65 dBA Leq noise limit:</u> Construction noise exceeded the 65 dBA limit during the following: <ul style="list-style-type: none">• Wednesday, December 7, between 8 and 9 AM• Saturday, December 10, between 11 AM and 1 PM, and between 2 and 3 PM <p>On Saturday, December 10, the construction site was inactive, thereby making the noise exceedances on this day not due to construction noise.</p> <p>Current noise mitigation measures include a 10 ft high sound blanket barrier surrounding the upper yard, noise reducing ear muffs distributed to neighbors, and a daily construction schedule which shifts major demolition activities to start no earlier than 8 AM (whereas construction activities are normally allowed to start at 7 AM). These measures are the best available, reasonable and feasible practices for reducing noise given the project constraints.</p> <p><u>Extreme noise:</u> There was one exceedance of the 90 dBA Lmax Level on Monday, December 5, between 1 and 2 PM.</p> <p>The project complied with the City noise ordinance for over 98% of the allowable work week; the project is providing the best available mitigation measures for those times when the noise exceeds the limits.</p>	



Figure 1 Area site plan and Noise Monitoring Location

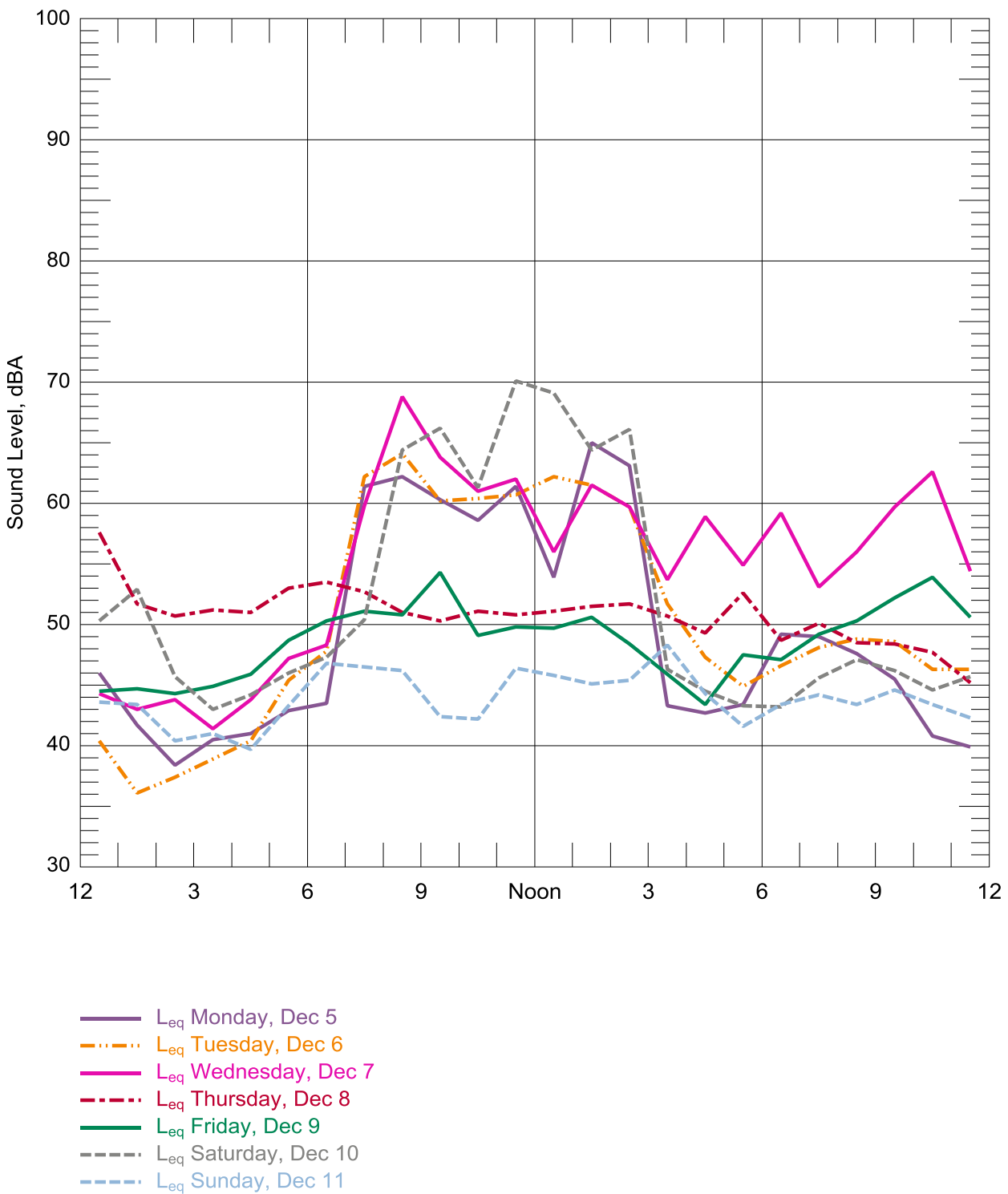


Figure 2: Hourly Energy Equivalent Noise Levels - NM2 (Wellington)

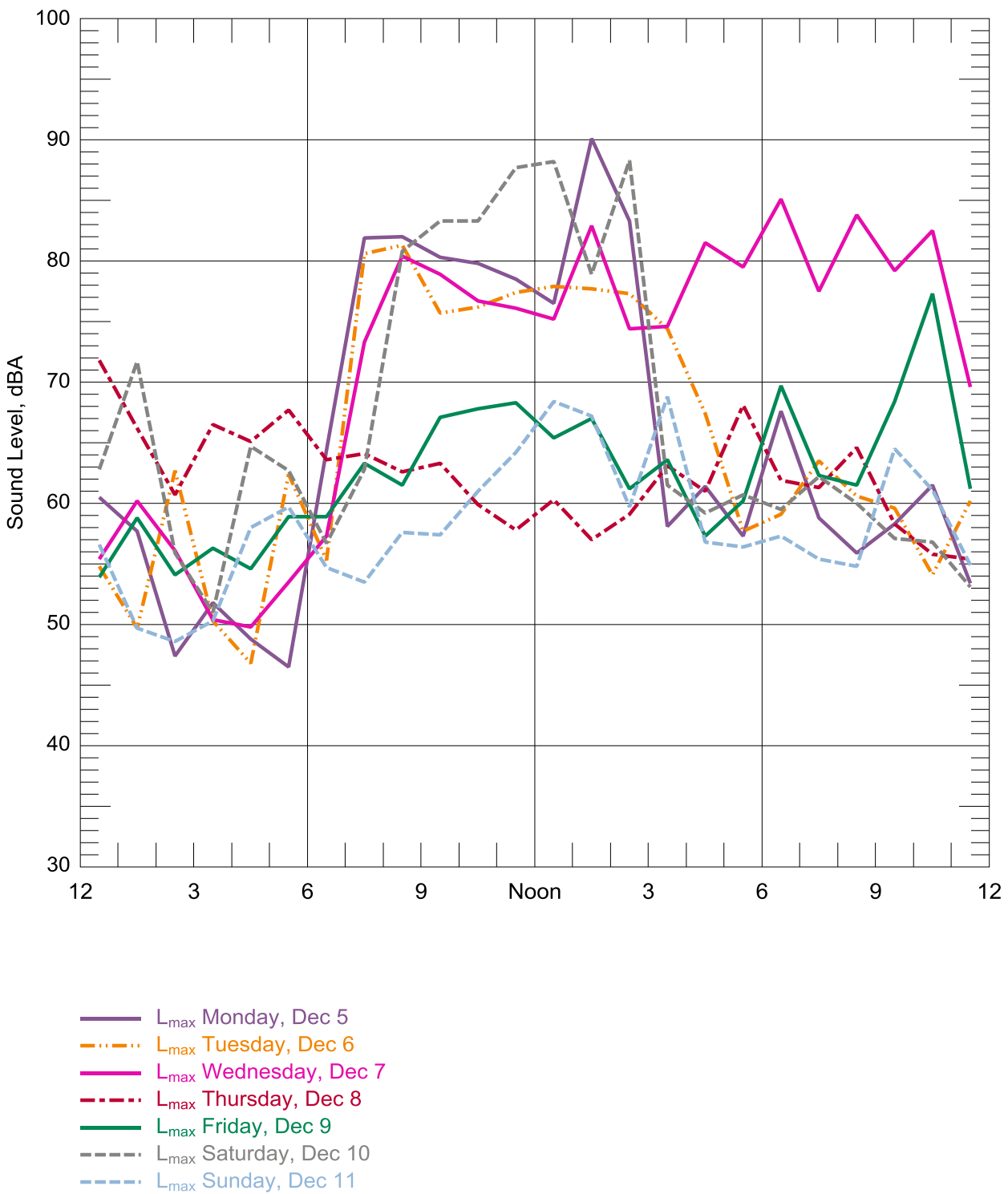


Figure 3: Hourly L_{max} Noise Levels - NM2 (Wellington)