



FISHING PIER

RESTAURANT

PLAY AREA

MARINA WALK

RESIDENTIAL BUILDING

COURTYARD ON PODIUM DECK

BEACH

ENTRANCE

MARINERS BLVD

SUCETTE HARBOR ACTIVE ADULT COMMUNITY_MANDEVILLE, LA

Site Noise Memo

Shoreline Hotel & Event Space - 222482

EXECUTIVE SUMMARY

Salas O'Brien conducted an analysis of the anticipated activities which may occur in/at the Event Space and Event Lawn located on the property of the Shoreline Hotel to determine the predicted noise levels to nearby properties.

Background sound levels were measured at the project site in July of 2022. The data was collected over the course of 3 days (weekday and weekend) to understand what noise levels were present at the site (i.e. Causeway and Marina). These noise levels have been used as a reference point for this report as the City code no longer provides a quantifiable noise level under the Noise Ordinance section.

The analysis indicates that typical activities held in the Event Space and/or on the Event Lawn will be at or below the existing background noise level during the daytime and evening hours most of the time. Because some activity noise may be random or intermittent, as are the fluctuations in the traffic noise, these sounds may be more audible from time to time.

It is understood that amplified music is not intended to be utilized on the Event Lawn but only in the Event Space. Note that there may be short periods of time when the doors to the Event Space are opened during an event, where the noise level may increase temporarily. When the doors are closed, the projected noise level to adjacent properties is anticipated to be below the background noise levels measured.

MEASUREMENTS

Logging measurements were taken at the project site between 7/21/22 and 7/24/22. The general trends were the following:

	AVERAGE LEVELS	PEAK LEVELS
Daytime (7am-7pm)	50-60dBA	75dBA
Evening (7pm-10pm)	45-55dBA	70dBA
Nighttime (10pm-7am)	40-55dBA	65dBA

Note that the adjacent property is anticipate to be slightly louder on the Causeway side (closer to highway) but similar on the Marina side. While on site on Friday afternoon, lawn-mowing (1-1.5hr) was observed on the adjacent property which attributed to some of the peaks measured on the Shoreline property. These levels were measured between 65-75dBA. Other activities observed during the time on-site, were boats passing by into/out of the Marina. These peaks were between 70-75dBA.



ANALYSIS

Exterior to Exterior

Typical sound levels of event activities which may occur on the Event Lawn, or similar open areas, were propagated out roughly 200ft, the distance to the adjacent property. Based on this analysis applause / cheering may be audible over the background noise at times.

Amplified music was included for reference; however, it is our understanding that it is not intended to be included for the Event Lawn, only inside the Event Space.



SOURCE	DURATION / TYPE	SOURCE LEVEL	RECEIVER LEVEL
Crowds / Laughter	Periodic / Random	65-70dBA	30-35dBA
Speech (w/light amp)	Varies	75dBA	35-40dBA
Acoustic Guitar or Small string ensemble	3-4min per song	75-80dBA	40-45dBA
Applause / Cheering	Short / Intermittent	85-90dBA	50-55dBA
Amplified Music	Varies	90-95dBA	55-60dBA

Interior to Exterior

The same sources were also predicted from the Event Space (assumed doors as closed and weather sealed) to the adjacent property. All of the anticipated source levels are lower than 40dBA at the receiving property. If/when the Event Space doors are opened to the Event Lawn, while the sources are occurring, then levels could temporarily increase to the predicted levels.

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