

Memo for Southport Industrial Park Public Engagement Meeting on August 9, 2023.

ECORP, a private consulting firm working under contract with the City, initiated a preliminary noise monitoring effort beginning April 20, 2023 and running through April 25, 2023. The objective was to collect noise data from sources potentially influencing the residential neighborhood to the south of Ramco Street and Patwin Park. Sound measurement equipment was placed at the northern end of Partwin park about midway between the homes on the west and the main drain to the east and along the south end of Ramco Street roughly 300 from the curve placed adjacent to a city light standard. The recorded community noise level at Site 1 was 57.8 dBA CNEL over the course of the 120-hour measurement (during ongoing construction). The recorded community noise level at Site 2 was 52.3 dBA CNEL over the course of the 120-hour measurement. During the 5-day measuring cycle the noise meters data collected, as illustrated in table 2 below. The further away from the noise the propagation of sound diminishes however; there are additional means to further reduce the decibels with the existing soundwall, landscaping and other non-impervious surfaces. The homes themselves also provide sound attenuation; typically on average stud type wall of a contemporary single family home will reduce sound approximately by 30 decibels. Based on the measurement readings and the above referenced improvements no noise event exceeded the city performance standards was observed.

CNEL: Community Noise Equivalent Level. The average equivalent A-weighted sound level during a 24-hour day, obtained after addition of five decibels to sound levels in the evening hours from 7 p.m. to 10 p.m. and after addition of 10 decibels to sound levels in the night hours from 10 p.m. to 7 a.m.

Table 2. Five-Minute Time Segments over 65 dBA – April 20 - 25		
Date	Time Segment	dBA L_{eq}
Site 1 – Ramco Street		
April 21	1:15 p.m. - 1:20 p.m.	71.9
April 21	1:10 p.m. – 1:15 p.m.	71.2
April 24	9:45 a.m. – 9:50 a.m.	69.4
April 22	7:55 p.m. – 8:00 p.m.**	69.1
April 20	9:45 p.m. – 9:50 p.m.**	69.0
April 24	10:25 a.m. – 10:30 a.m.	67.6
April 21	4:05 p.m. – 4:10 p.m.	67.5
April 24	8:40 a.m. – 8:45 a.m.	65.9
April 20	4:45 p.m. – 4:50 p.m.	65.4
Site 2 – Patwin Park		
April 20	2:13 p.m. – 2:18 p.m.	69.2
April 21	11:38 a.m. – 11:43 a.m.	68.3
April 21	1:33 p.m. – 1:38 p.m.	67.4
April 21	1:28 p.m. – 1:33 p.m.	66.5
April 21	1:38 p.m. – 1:43 p.m.	65.4
April 21	1:23 p.m. – 1:28 p.m.	65.3
April 21	11:53 a.m. – 11:58 a.m.	65.1

**Denotes a time period falling within the noise-sensitive nighttime hours of 7:00 p.m. – 7:00 a.m.

Thanks,

Justin Hardy
Senior Planner