**ROMBLON STATE UNIVERSITY**

**College of Engineering and Technology**

**Main Campus, Odiongan, Province of Romblon**

**HANDOUT #6**

**CE4113 ENVIRONMENTAL ENGINEERING MW: 10-11:30; TTH: 10-11:30AM**

**Engr. Reynaldo P Ramos, PhD MF: 4-5:30; TTH: 4-5:30PM**

**Table I. Noise Standards in General Areas**

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| --- | --- | --- | --- |
| Category of Area | Daytime  (9AM-6PM) | Morning & Evening  (5-9AM & 6-10PM | Nighttime  (10PM- 5AM) |
| AA- section or area which requires quietness, such as an area within 100m. from school sites, nursery schools, hospitals and special homes for the aged | 50dB | 45dB | 40dB |
| A-residential purposes | 55dB | 50dB | 45dB |
| B-commercial area | 65dB | 60dB | 55dB |
| C-light industrial area | 70dB | 65dB | 60dB |
| D-reserved as a heavy industrial area | 75dB | 70dB | 65dB |
| Maximum Limit for Construction Activities (30 meters away from the source)  CLASS 1 – Work that requires pile driving (excluding manual type), pile extractions, or combinations = 90 dBA  CLASS 2 – Works that requires rock drills, or similar equipment line jack hammers or pavement hammers = 85 dBA  CLASS 3 – Work that requires air compressors (limited to a rated output of 15kw or more) excluding air compressors powering rock drills, jack hammers, pavement breakers = 75 dBA  CLASS 4 – Operations involving batching plant (limited to those with mixer capacity of 0.5 or more cubic meter) and or asphalt plants (limited to those mixer capacity of 200 kg or more = 75 dBA | | | |

**Table II. Noise Standards in Areas Directly Fronting/Facing a Four-Lane Road**

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| --- | --- | --- | --- |
| Category of Area | Daytime | Morning & Evening | Nighttime |
| AA | 55dB | 50dB | 45dB |
| A | 60dB | 55dB | 50dB |
| B | 70dB | 65dB | 60dB |
| C | 75dB | 70dB | 65dB |
| D | 80dB | 75dB | 70dB |

**Table III. Description of Area Classification for Noise**

|  |  |
| --- | --- |
| Classification | Description |
| AA | A section or contiguous area which requires quietness, such as an area within 100 m from school sites, nursery schools, hospitals and special homes for the aged. |
| A | A section or contiguous area which is primarily used for residential purposes. |
| B | A section or contiguous area which is primarily used for commercial purposes. |
| C | A section primarily reserved as a light industrial area. |
| D | A section primarily reserved as a heavy industrial area. |