

Noise Pollution Management

- Equipment and machinery are designed, installed, and maintained with appropriate inspection schedules to minimize noise generation. Tall, dense trees have been planted to serve as noise barriers and windbreaks, enabling noise levels to be controlled within legally mandated standards.
- Three noise monitoring points have been established: at the noise source within the power plant, in the production control room, and along the power plant perimeter fence. Noise levels are maintained within legal standards, with workplace noise measurements conducted quarterly.
- Hearing protection equipment (earmuffs) is provided to employees who must work in areas where noise levels exceed 80 dBA. Personnel working in such areas are required to wear personal protective equipment to reduce noise exposure. Warning signs have been installed, and this requirement has been established as a mandatory regulation that all employees must strictly follow.

Noise Quality Monitoring Results for Ratch Pathana and Affiliates, 2022-2024

Noise Quality Monitoring Results	2022	2023	2024	Legal Criteria
Average Measurement Results (Min-Max)				
Ratch Pathana Energy Power Plant				
General Noise Level (Leq 24 hr) (dBA)				
Northern Project Fence Perimeter	–	–	64.4–67.5	70
Eastern Project Fence Perimeter	–	–	60.1–63.5	70
Southern Project Fence Perimeter	–	–	64.9–67.4	70
Western Project Fence Perimeter	59.8–63.0	61.8–64.0	65.9–68.3	70
Ban Rai Nueng Area	56.2–58.5	63.4–64.0	58.7–68.3	70
Workplace Noise Level – Personal Noise Dosimetry (Leq 12 hr) (dBA)	63.2–80.3	78.1–79.9	73.1–77.6	83
Sahacogen Green Biomass Power Plan				
General Noise Level (Leq 24 hr)				
Nong Pla Kho Temple Area	46.6–60.7	46.6–60.7	48.9–60.4	70 dBA
San Luang Temple Area	45.8–63.3	45.8–63.3	46.8–52.6	70 dBA
Project Fence Perimeter	62.7–64.7	54.8–65.2	64.5–66.6	70 dBA
Workplace Noise Level – Personal Noise Dosimetry (Leq 12 hr)	79.3–80.4	81–82.1	76.1–78.6	83 dBA

Noise Quality Monitoring Results	2022	2023	2024	Legal Criteria
	Average Measurement Results (Min–Max)			
Sahagreen Forest Biomass Power Plant				
General Noise Level (Leq 24 hr)				
Location202220232024Legal CriteriaBan Huai Nam Sai School	48.7 – 55.8	47.6–56.7	48.5–67.3	70 dBA
Si Chumphorn Wirawat Temple (Rai Dong Temple)	50.4 – 51.8	65.0–67.5	47.8–65.5	70 dBA
Project Fence Perimeter	65.0–67.5	51.3–58.5	64.6–67.4	70 dBA
Workplace Noise Level – Personal Noise Dosimetry (Leq 12 hr)	77.7 – 81.9	78.6–80.3	79.6–82.0	83 dBA
ผลการตรวจวัดระดับเสียงในพื้นที่ทำงาน-ระดับเสียงสะสมแบบติดตามตัวบุคคล (Leq 12 hr)	79.3–80.4	81–82.1	76.1–78.6	83 dBA

Chemical Leakage Statistics (volatile organic compounds: VOC)
During the past three years (2022-2024), there have been no incidents of volatile organic compounds (VOC) leakage.

Incident/Issue	Number of Occurrences (Times)		
	2022	2023	2024
Chemical Leakage	0	0	0

