



Air Pollution Management

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Applied DB Public Company Limited's production processes involve the release of dust, heat, and odors. The company has ventilation systems that are regularly inspected and evaluated for environmental conditions. However, the company still faces risks in pollution management, which is a key priority for management. They are continuously integrating technology to improve production processes.

For 2024, the company implemented the following plans to improve dust management in its production processes:

1. Modernizing Machinery: Upgrading and replacing older machinery in the production line.
2. Automating Weighing Systems: Implementing automated, and in some areas, semi-automated weighing systems.
3. Continuous 5 S Activities: Sustaining 5 S activities to reduce dust accumulation in production processes, ensuring daily cleaning of machinery, and conducting regular environmental inspections by the company's environmental officers.
4. Addressing Minor Flaws: Rectifying minor defects that have the potential to cause air pollution.

In 2024, the company set a target to manage air pollution so that 100% of air pollutants discharged from the factory do not exceed the standard limit. The results from air quality inspections across all factory branches confirmed that all measured values were within the specified limits.



Table 1: Company's Air Quality Over the Past 3 Years

Details	Unit	Standards	Year		
			2022	2023	2024
Total Suspended Particulate	mg/m ³	≤ 400			
- Factory 260			30.68	20.13	25.60
- Factory 271			7.19	1.36	3.80
Volatile Organic Compounds (VOCs)	mg/m ³	≤ 100			
- Factory 260			0.00	0.00	0.00
- Factory 271			0.00	0.00	0.00
Quantity in kilograms/year	kg	-			
- Factory 260			0.00	0.00	0.00
- Factory 271			0.00	0.00	0.00
Oxide of nitrogen (NOx)	ppm	-			
- Factory 260			0.00	0.00	0.00
- Factory 271			0.00	0.00	0.00
Quantity in ton/year	ton	-			
- Factory 260			0.00	0.00	0.00
- Factory 271			0.00	0.00	0.00
Sulfur oxides (SO ₂)	ppm	≤ 500			
- Factory 260			0.00	0.00	0.00
- Factory 271			0.00	0.00	0.00
Quantity in ton/year	ton	-			
- Factory 260			0.00	0.00	0.00
- Factory 271			0.00	0.00	0.00
Carbon monoxide (CO)	ppm	≤ 870			
- Factory 260			1	1	1
- Factory 271			1.66	1	1
Lead (PB)	mg/m ³	≤ 30			
- Factory 260			0.03	0.02	0.02

Standard

1) Standard based on the Ministry of Industry Announcement on Determining the Quantity of Air Pollutants Discharged from Factori es, B.E. 2549 (2006). Published in the Government Gazette, General Announcements Volume 123, Special Part 125D, dated December 4, 2549 (2006).