



GAUTENG PROVINCE
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Harmony's leadership in ESG
and sustainability recognised at the

Gauteng Emission Reduction Recognition Programme Awards

NOVEMBER 2024

Our ongoing commitment to meeting our Environmental, Social, and Governance (ESG) obligations and driving sustainable development positioned Harmony as a key participant in the Gauteng Emission Reduction Recognition Programme Awards, held on 28 November.

The event took place at The Village Square in West Wits near Carletonville, followed by a short visit to Mponeng Plant and hosted approximately 100 attendees, including government officials at national, provincial, and local levels, political leaders, industry representatives, and environmental NGOs.

The prestigious event featured senior government officials and Harmony leaders, including Elias Pobe, Executive Metallurgy, and Dr. Urishanie Govender, Chief Sustainability Officer and other Metallurgy and Sustainable Department Heads. This occasion marked a significant milestone in our continued journey toward sustainability and responsible stewardship.

Harmony's Mponeng operation was recognised for its contributions to the group's aspiration of achieving net-zero carbon emissions by

2045. Mponeng undertook strategic measures to optimise its emissions profile and enhance environmental stewardship.

In late 2018, the operation launched the Granular Activated Carbon Activity Improvement Project, aimed at improving the adsorption efficiency at its carbon-in-pulp (CIP) section.

Dr. Govender said: "Our emission reduction efforts go beyond compliance because we firmly believe it's the right thing to do. We appreciate that our efforts have been recognised by Government and the GDE."



Key highlights of this initiative included:

A comprehensive review of the emissions profile which identified opportunities for reductions in specific units, leading to meaningful environmental improvements.

Automating kiln controls to maintain the ideal 700°C temperature for efficient carbon regeneration.

Adjustments to the quench tank water level to ensure the discharged carbon directly entered water, reducing atmospheric exposure, minimising off-gas production, and enhancing resource efficiency.

As a result, between 2019 and 2021, Mponeng achieved a 38.4% reduction in nitrogen oxide emissions. These improvements led to a 5.5% increase in granulated activated carbon consumption efficiency, demonstrating Mponeng's commitment to sustainable operations.

"Sustainability isn't just a goal for us, but a commitment to improving the air that everyone breathes, the lives we touch, and the ecosystems we strive to restore. By improving air quality, we are investing in healthier communities and a nature-positive future, proving that mining can be a force for good. By aligning business objectives with the needs of communities and the environment, we continue to embody the true essence of mining with purpose," said Dr Urishanie.

#MiningWithPurpose

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