



Harmony nominated as a finalist for the 2024 eco-logic awards

Leaving a lasting positive legacy for generations to come

Witpan WWTP

6 SEPTEMBER 2024



Harmony has been nominated as a finalist for the 2024 Eco-Logic Awards.

The awards have been running for 13 years, and serves as a call to action, supporting initiatives that not only benefit 'people and planet' but also ignite inspiration and empower consumers to embrace eco-conscious choices and decisions daily. It honours the pioneers spearheading the movement towards a more sustainable future.

The most innovative and impactful eco-champions in 13 categories have been named as finalists, and the awards ceremony will take place on 30 October 2024. Harmony has been nominated for the **Water Conservation Strategy category.**

The need for water conservation

Access to clean, potable water is important not only to ensure that people are healthy, but also to reduce poverty, ensure food security, ensure peace and human rights and to support education and healthy ecosystems.

But, at the moment, half of the world's population is already experiencing severe water scarcity. Many countries, including

South Africa, are facing growing challenges related to water pollution and degraded water related ecosystems. It is estimated that 2.6 billion people will not have access to safely managed sanitation by 2030.

In South Africa, sewage plants have not been effectively managed and maintained, this has led to a gradual deterioration of water quality in rivers, and municipalities are under severe pressure from affected communities.



Matlosana Stilfontein Waste Water Treatment Plant

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continued



Matlosana Stilfontein Waste Water Treatment Plant

Mining with Purpose

At Harmony, we mine with purpose by creating value for all stakeholders while leaving a lasting positive legacy in the areas where we operate.

We:

- care for, protect and empower our employees and communities.
- are responsible stewards of the environment.
- mine with social conscience.
- contribute to the economic development of our host communities and countries.

Access to secure water supply is critical to mining and the development of people, communities and our economy. Potable or drinkable water is a crucial resource for our employees, our operations and the communities in which we operate, especially in water-scarce jurisdictions.

In most of our mining jurisdiction, municipalities have been unable to maintain and operate state owned Wastewater

Treatment Plants (WWTP). This has resulted in raw sewage being discharged into local streams, rivers, dams and pans.

To address this issue and to contribute to a cleaner and more stable ecological environment around our mines, we have refurbished three municipal WWTPs on behalf of the Matjhabeng, Matlosana and Merafong municipalities and implemented our own water treatment plants at various sites.

We have also implemented a group-wide programme to convert mine affected water to potable water to reduce dependency on existing groundwater and municipal supplies. In 2017, we built and commissioned a 5MI per day Reverse Osmosis Treatment Plant at Doornkop and another 0.9MI per day plant at Kusasalethu. In 2019, we built another 5MI per day plant at Nyala Shaft and in 2023, we built a 2.1MI/day plant at Target 1 shaft. In early 2024, we built and installed a 20,000 litre per day plant at our Kareerand TSF offices.

The total cost of refurbishing the three municipal WWTPs amounts to R35.5 million. These projects will collectively increase the sewage treatment capacity of the refurbished

plants by around 30 million litres per day. According to censuses carried out in 2011 and 2016, the Matjhabeng local municipality has a population of around 410,000 people, Matlosana municipality services around 440,000 people and Merafong municipality services around 190,000 people.

Apart from providing potable water, this will also result in improved water quality in rivers and streams in these areas, resulting in downstream improvements to end users, both for direct use and food production, and will lead to better ecosystems and the preservation of local water resources for future generations.

This project has therefore made a tangible difference to the lives of every single household within these three municipalities.

Our on-site water treatment plants provide potable water to thousands of workers so they can shower, clean, drink and use ablution facilities. This has helped Harmony to reduce its reliance on municipalities and Rand Water to provide our mines with potable water and some of this water is also now available to surrounding communities. The treatment of mine affected water to potable quality has also led to a massive improvement in the quality of water introduced to circuit, a definitive reduction in potable water intake, and an increase in our water recycling ratio at our operations.

At our Papua New Guinea operations, we fund various infrastructure and water supply projects through the Hidden Valley Mine Trust. Here we are involved in maintaining water supply infrastructure in Kuembu, Nauti, and Winima villages, ensuring clean water for cooking and washing for 350 people. In FY2022, Harmony implemented a WaSH project at Zimake and Levilvan villages benefitting 350 residents respectively.

Achieving real, tangible, sustainable results requires collaboration. We see our local municipalities as key partners in ensuring better quality water and sanitation in our host communities. We have worked closely with our key stakeholders to refurbish and operate treatment facilities, and to rebuild skills and capacity of the local municipalities to ensure the sustainability of the facilities once the responsibility is eventually handed back to municipalities.

While we look forward to the Eco-Logic Awards in October - regardless of the outcome - we are proud that we are able to leave a lasting, positive legacy behind for future generations for many years to come.



Merafong Oberholzer Waste Water Treatment