

RADIATION AND HEALTH RISK MANAGEMENT FACT SHEET



RADIATION RISK MANAGEMENT



- Crown site supervised - **radiation levels monitored 24/7** by DRDGOLD employees wearing dosimeters over a period of 10 years



- **Vegetation planted** as dust suppression measure



- **No incidents** of silicosis, cancer or other illness diagnosed



- Assessment indicated **no evidence of threat to public health**



- Risk of radiation presenting a health hazard to public **assessed by National Nuclear Regulator** in 2014



- **DRD still monitors random radiation levels**

HEALTH RISK MANAGEMENT GAS STOVES FOR RIVERLEA RESIDENTS

In response to complaints from the Riverlea community, south of Johannesburg, in 2013, regarding respiratory issues, allegedly due to dust pollution, DRDGOLD conducted a survey of the lifestyles of people living in the vicinity of tailings storage facilities. The survey indicated that for many families the only means of cooking and heating was by coal and wood fires.

The dumps in the Riverlea area have since been removed with the exception of some oversize remnants, which produce no dust. Therefore, dust that may have come off these dumps and negatively affected quality of life is no longer an issue.

DRDGOLD decided to assist Riverlea residents move from fossil fuels to gas. A project was initiated to not only provide free gas stoves to residents for cooking but to empower local entrepreneurs to provide the gas and maintain equipment. In 2014, DRDGOLD spent R687 140 on 500 gas stoves and 6kg gas canisters to be distributed to households without electricity. Unfortunately, the project has been delayed by local

We remain committed to continuously improving quality of life for residents of Johannesburg by reducing the impact of our operations on the environment and fixing the mistakes the industry made in the past.

community representatives who cannot agree on the beneficiaries of “aftermarket” supply infrastructure. In the meantime, 500 gas stoves with cylinders await distribution.



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OUR STRATEGY

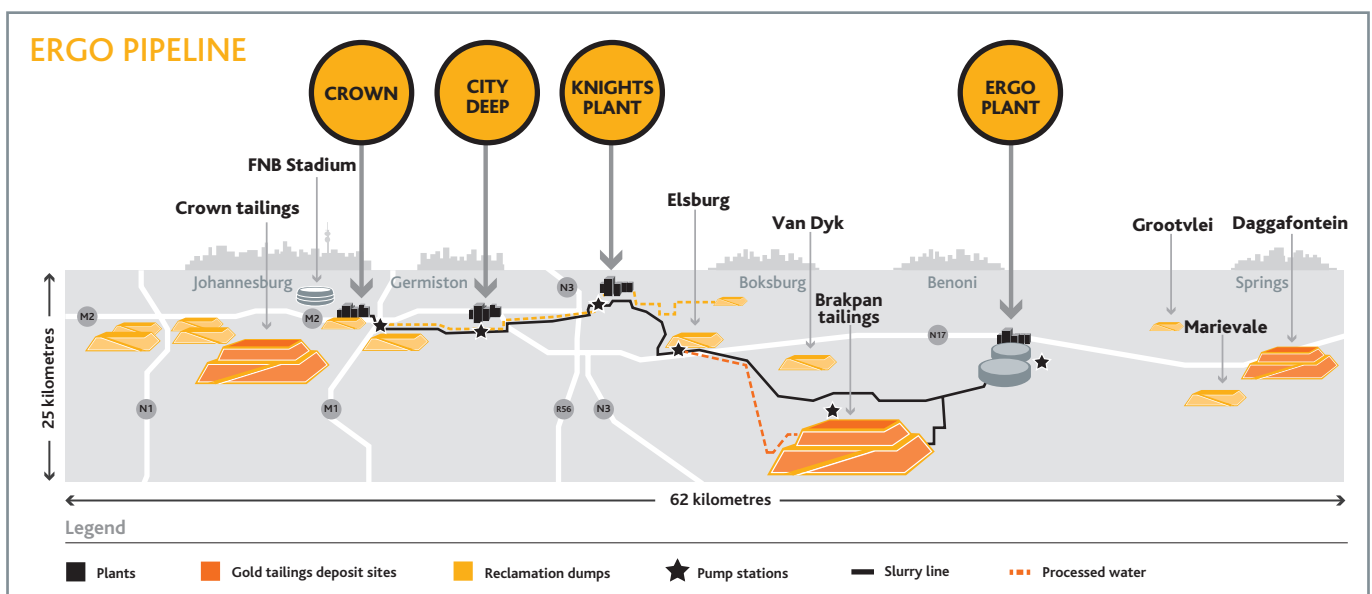
DRDGOLD remains committed to continuously improving quality of life for residents of Johannesburg by reducing the impact of our operations on the environment.

Removal of mine dumps from residential areas and lower lying environmentally sensitive areas will, in the long run, have a beneficial effect. In the interim, we continue to maintain our grassing and vegetation process to completely cover all the tailings deposition sites.

We hope that the authorities will also play their part in ensuring that no further developments are allowed within buffer zones. Historically, the Chamber of Mines guideline was that each tailings deposit should have a 2km buffer zone surrounding it where no human settlement would be allowed. This was reduced to 500m by the then Gauteng Department of Agriculture, Conservation and Environment in 2002.

Retreating the largest tailings deposits in the world, situated close to the suburbs of southern Africa's largest city, necessitates a unique business model. As an "urban" miner, the environmental and social impacts of what we do, or omit to do, are direct and profound. Our model provides many opportunities to build social and natural value but any shortcomings in strategy and execution are also swiftly exposed. We, therefore, work to deploy our capital and resources optimally but sustainably.

Our strategy aims to expand our reach and create growth opportunities through the development of innovative technologies, and we monitor key indicators to assess progress towards our strategic goals.



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