

PROJECT REPORT

Project Name: Colliery Stockpile Capping

Location: South Africa

Application: EBS Surface Application



Area: The Colliery is located in South Africa

Background: The client was looking for a cost effective environmentally compliant sustainable solution for dust abatement and erosion control on one of their stockpiles.

Recognizing that their activities can have an impact on the surrounding community, their own employees and the environment it was time to act in order to maintain compliance with their own sustainability policy of protecting the environment, human rights as well as health and safety.

Soil & Dust Solutions devised a specialized application to apply the EBS Soil Stabilizer to the stockpile, which will improve the integrity of the structure, reduce water usage, eliminate dust and erosion and prevent windblown and fugitive dust.



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Project Description: The areas were treated using a Finn Hydroseeding machine with a specialized spray nozzle



Result: The stockpile treatment will provide a long-term sustainable solution with respect to dust abatement, which will improve the integrity of structure, without the continuous use of water or machinery, which will ensure decreased liability, environmental compliance, reduced effect on neighbouring communities and an over all decreased environmental impact.

Benefits of the EBS application include the following:

- Product application without disruption to the integrity of the stockpile structure
- Substantial reduction in water usage
- PM₁₀ and PM_{2.5} compliant in terms of dust suppression
- Decreased liability along with complete environmental compliance
- Improved community relations
- Safer and healthier working environment

Erosion Control with EBS – Engineered Base Stabilizer

- ⊕ EBS provides effective Erosion control – Short – Medium or Long Term.
- ⊕ One application of EBS will last from 3 months to 10 years pending the material and recommended Application Rate.

“ Soil Solutions provides a long term sustainable Guaranteed Solution that significantly decreases costs on any Erosion Control project.



Ensuring Environmental compliance is a part of the Sustainable Solutions that we provide and a major part of the Journey that we are on to make a Difference

Solutions for the *Environment* are perhaps the single most important and growing sector in the world economy.

We at Soil Solutions® are committed and proud that we have the opportunity to make a real contribution through our innovative solutions.

Achieving a reduced environmental impact and further reducing Carbon Emissions are the results that Soil Solutions® is dedicated to delivering.

Our products, services, and combined technologies provide important and effective environmental solutions for the mining and development sectors.

SOLUTIONS THAT ARE SAFER — SMARTER — SIMPLER — CLEANER — LESS WATER — LESS COST

SoilSolutions® provides Solutions for the Environment