

## PROJECT REPORT

**Project:** Tailing Dams, Slopes and End Walls, Gold Mine, Brazil

**Issue on Site:** Dust emissions

**RST Product Used:** Total Ground Control 'TGC'

### 1. Introduction / background

Dust emissions from tailing dams, end walls and slopes are causing frictions and problems with the local community in the nearby village.

Client asked RST to provide a solution for dust mitigation and we recommended the use of **Total Ground Control (TGC)**.

**TGC** – is a unique blend of water dispersive co-polymers developed and when applied to the ground surface, TGC crusts and binds the fine particles together creating a matrix that will suppress the movement of fines by both water and wind action



### 2. TGC application

- **TGC** was diluted with water at a base dilution rate of 3% and sprayed directly over the treatment zone at 2 liters of solution per m<sup>2</sup>.
- Green Marking Dye (GMD) was added at 5 liters / 200 ltrs of **TGC** to identify treated area
- Did several very fine coatings on end walls as difficult application on vertical surface



### 3. Results

- Reduction in visible dust emissions
- Training of supervisors and employees in the correct application of **TGC**
- First time ever application on end walls
- Awareness and political statement to the community as a result of the very high visibility of this application

