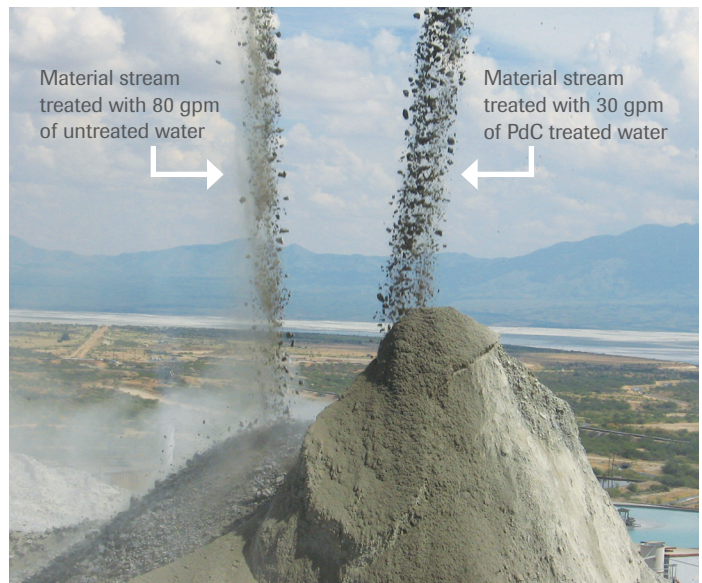


Eliminate dust from belt & stacker conveyors while enhancing ore recovery!

Freedom West uses a surfactant based palliative applied in a dilute water solution to control fugitive dust during the overland conveying and subsequent crushing of copper bearing ore while improving copper recovery in a copper sulfide flotation circuit. The surfactant based palliative, is mixed with water and applied as a wet spray or foam onto the raw copper bearing ore during the conveying and crushing process in order to cost effectively prevent fugitive respirable dust from entering the atmosphere where the dust particles pose a threat to the respiratory system of workers, collect in and around critical processing equipment thereby forcing unscheduled and costly maintenance outages, and being lost to the atmosphere thereby possibly exceeding State and/or Federal air quality standards. When Freedom West Palliative is added to water, fugitive dust emissions are reduced, water consumption is reduced, and downstream equipment outages resulting from wet ore are reduced. Addition of Freedom West's Palliative to the copper ore does not interfere with the copper sulfide flotation recovery process and actually improves copper recovery.

Conveying dusty material is a major challenge in the mining community. Whether it is copper and/or molybdenum ore, gold, iron ore, limestone, coal, fly ash, or hot coke, Freedom West[®] provides specific dust suppression chemistry for each application. Freedom West[®] helps control dust at your plant during crushing, conveying, stacking, truck or railcar load out, and reclaiming activities.



Benefits

- ▶ Reduction in dust emission (Improved Opacity readings)
- ▶ Improved Industrial Hygiene for employees and surrounding community (respirable dust)
- ▶ Reduction in process water usage
- ▶ Reduction in O/M costs to conveyor belt rollers, scrappers, and idlers
- ▶ Increase conveyor belt, scraper, roller, pulley life
- ▶ Reduction in material carry back along conveyor belts
- ▶ Reduction in plugged chutes and crushers
- ▶ Increased production rates

Applied Technology

Freedom West[®] has extensive equipment support services to design, engineer, and fabricate equipment to optimize product applications. The support services facility is based in Glendale, Arizona and is committed to meeting our customers more unique needs and requirements. A wide range of systems are available from simple, standard injection schemes to complex, programmable controllers for full process automation and integration to existing control system(s).

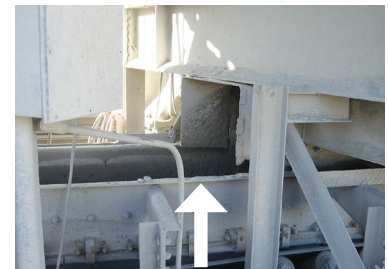
Full Service "Turn-Key" Field Support

Freedom West[®] design and field support partner, Streamline Automation, supports you at your facility. Our staff is trained to understand the chemical, electrical, and mechanical aspects of your system. We perform routine preventative/predictive maintenance on systems to ensure economic and effective material treatment. Inspections include system performance analysis, component repair and replacement, inventory audit, and program status review with facility management to discuss program effectiveness.



Before:

- ▶ 6 to 11 percent moisture
- ▶ 75 to 110 gpm
- ▶ Frequent plugging of chutes & screens



After:

- ▶ 1/2 to 3 percent moisture
- ▶ 25 to 39 gpm
- ▶ No plugging of chutes & screens

Distributed Exclusively by:

Freedom West LLC
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1-855-OPACITY