

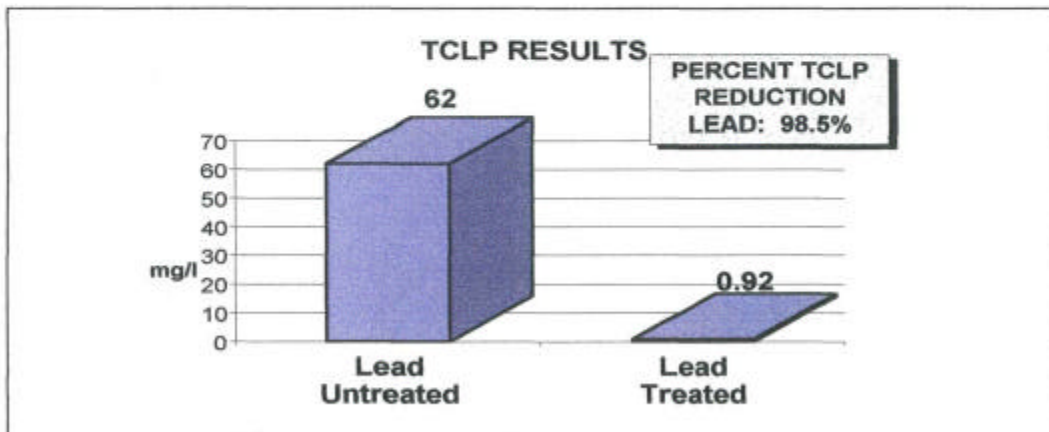


MBS® CASE STUDY	
Location:	Oceana, West Virginia
Hazardous Metal:	Lead
Source of Contamination:	Burnt Copper Wire
Medium:	Muddy copper ash

This site was contaminated from the burning of copper wires over a 20 year period. Tires were used to keep the fire hot, causing elevated TPH levels, in addition to hazardous levels of lead. Natural environmental conditions turned the material into a muddy copper ash.

Solucorp's mobile equipment was set up at the bottom of a mountainside next to a highway. All material was screened and crushed to 2.5 cm prior to treatment. The pugmill was operated to an average production rate of 300 tons per day for this project; somewhat below the standard processing rate, due to the extremely limited area in which to process and severe weather conditions.

Solucorp's equipment and personnel operated in weather conditions that included 10 days of torrential rains, 2 feet of snow and sub-freezing temperatures. These adverse conditions caused the copper ash to turn into a heavy, frozen mud. MBS reagents were added with a volume increase of only 2.0%. The treated soil was tested for TCLP lead by an independent state certified laboratory. TCLP lead levels were reduced from an average of 62 mg/l to fractional levels. It is also important to note, that the presence of TPH did not hinder the effectiveness of the MBS process.



(1) Average TCLP value