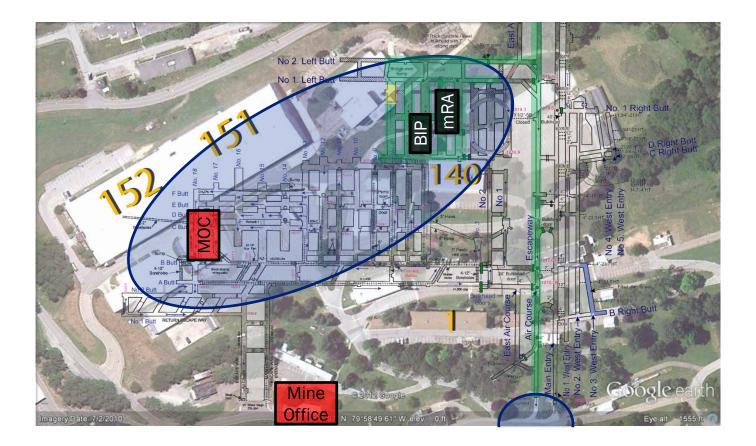
PITTSBURGH MINING RESEARCH DIVISION

Refuge Alternative Webinar: Communications System Research

Miguel Angel Reyes Refuge Alternative Webinar June 23, 2016 Pittsburgh, PA

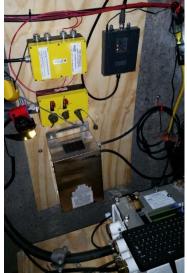


Mine Communication System



Post-disaster communication from within an RA to surface operations is vital to rescue efforts

- NIOSH wants to ensure post-disaster communications from within an occupied RA to the surface
 - -Provide guidelines to industry
 - Ensure RA communications through signal attenuation research
 - -Evaluate communication technologies such as borehole communications, through-the-earth, etc.
 - Provide occupancy sensing capability to the surface





Thank you for your interest.

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Disclaimer: The findings and conclusions in this report are those of the author(s) and do not necessarily represent the views of the National Institute for Occupational Safety and Health. Mention of any company or product does not constitute endorsement by NIOSH.