2021 Refuge Alternative Partnership Wrap-up Meeting



Dave Yantek
Lead Research Engineer
Pittsburgh Mining Research Division

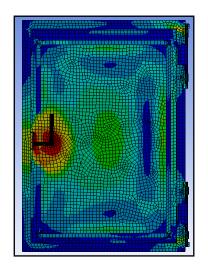
RA Partnership November 17-18, 2021

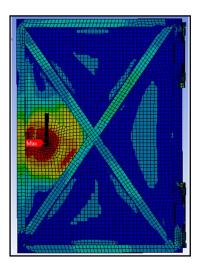


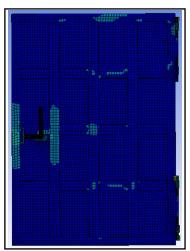


Day 1

BIP RA stopping/door system blast response





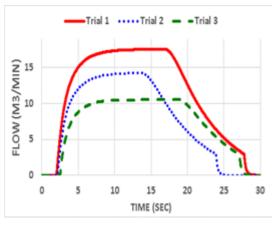


field BIP RA



BIP RA pressure relief valves





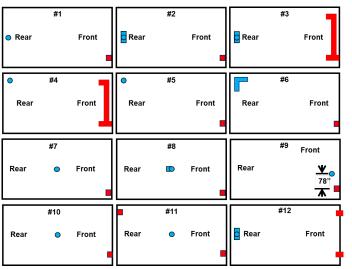
breathable air - CASE Lab testing





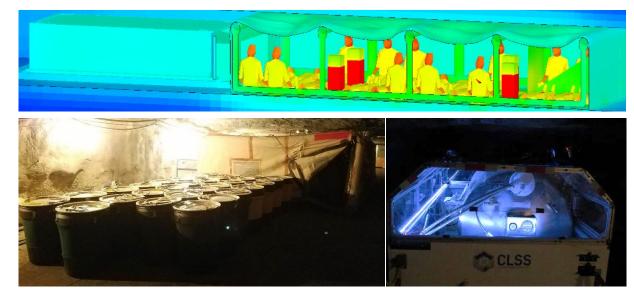
Day 2

breathable air- CI & purging tests





thermal environment



communications





field RA



