

# Mine Water Inundation Alert!



To prevent an inundation in underground mines, the following **Best Practices** are recommended:

- Consider all mine workings (active and abandoned) located adjacent, above or below mining areas; determine location of workings and water levels. De-water mine workings if necessary.
- Perform a diligent search for the final, dated, and signed maps of old workings in mines above, below, or adjacent to mining areas.
- Gather information about mining in old or abandoned mines by interviewing local sources, former miners, and walk or examine outcrops.
- Attention to surface subsidence and geological structures; rock strata make-up, dip and pitch of the seam, elevations, and faults.
- Prudent mine design; provide sufficient barrier pillars and evaluate interburden thickness; compare mine surveys from a common base line.
- Consider the use of directional, long-hole drilling to ensure adequate barriers around mining areas.
- In coal mines, drill bore holes in advance of mining activities as prescribed in regulation 75.388. If necessary, submit plan for mining into inaccessible areas as outlined in regulation 75.389.
- As required, submit permit for “Operations under Water;” regulations 75.1716 through 75.1716-4.