

RISK ASSESSMENT

Risk Assessment

A major emergency in a work is one, which has the potential to cause serious injury or loss of life. It may cause extensive damage to property and serious disruption both inside and outside the works. It would normally require the assistance of emergency services to handle it effectively. An important element of mitigation measures is emergency planning, i.e. recognizing that accidents are possible, assessing the consequences of such accidents and deciding on the emergency procedures both on site and off site that would need to be implemented in the event of an emergency. The overall objective of the emergency plan will be:

1. To localize the emergency and if possible eliminate it; and
2. To minimize the effects of the accident on people and property

Mining of minerals from the earth's crust involves disturbing the equilibrium of nature and invites reaction in the form of movement of strata beds, release of water and different types of gasses under pressure, lowering of surface in the subsidence etc. The open cast mines being open, the layouts of mines do not have any of the sources of disaster. There are various factors, which can create disaster in mine.