

Earthquake observation at the Kamaishi Mine -Groundwater pressure change associated with earthquakes-

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In order to understand the relation between seismic ground motions and groundwater pressure changes, seismic and groundwater pressure observations had been conducted at the Kamaishi Mine. From earthquake records, following results can be drawn. 1) The largest dynamic groundwater pressures changes associated with earthquakes are observed during S-wave arrivals. 2) The largest groundwater pressure changes are proportional to the maximum amplitudes of the ground velocity of S-wave.