

Action plans

Alert level

No alert

$Ml \leq 1.0$

Green

$1.0 < Ml \leq 1.5$

Yellow

$1.5 < Ml \leq 2.0$

Orange

$2.0 < Ml \leq 3.0$

Red

$Ml > 3.0$

Seismic analysis

Revise the seismic catalogue on a daily basis

No immediate action, within 4 h check for anomalous spatio-temporal evolution of the seismicity

Immediate response, a manual location, and magnitude estimation must be available within 45 min

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Field operations

Continued as planned, if no anomalous seismicity patterns

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Flow and pressure decrease until seismicity levels remain below the green alert for at least 4 h

Stop injection operations until seismicity levels remain below the green alert for at least 12 h

Immediately stop injections operations and bleed off

Communication

If anomalous seismicity patterns are found, report sent to the monitoring and field operation task leaders

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Status report sent to the Icelandic Meteorological Office (IMO)

Status report sent to regulators, the ICPD, IMO, and RE's public affairs

Status report sent to regulators, the ICPD, IMO, and RE's public affairs, assess potential damage