Table 4.0-1: Seismic monitoring system, for seismic events > M1.0 with an epicenter within the AoR

Operating State	Threshold Condition[1],[2]	Response Action[3]
Green	Seismic events less than or equal to M1.5	1. Continue normal operation within permitted levels.
Yellow	Five (5) or more seismic events within a 30 day period having a magnitude greater than M1.5 but less than or equal to M2.0	1. Continue normal operation within permitted levels.
		2. Within 24 hours of the incident, notify the UIC Program Director of the operating status of the well.
Orange	Seismic event greater than M1.5 and local observation or felt report	1. Continue normal operation within permitted levels.
		2. Within 24 hours of the incident, notify the UIC Program Director, of the operating status of the well.
		3. Review seismic and operational data.
	Seismic event greater than M2.0 and no felt report	4. Report findings to the UIC Program Director and issue corrective actions.
Magenta	Seismic event greater than M2.0 and local observation or report	1. Initiate rate reduction plan.
		2. Vent CO2 from surface facilities
		3. Within 24 hours of the incident, notify the UIC Program Director, of the operating status of the well.
		4. Limit access to wellhead to authorized personnel only
		5. Communicate with facility personnel and local authorities to initiate evacuation plans, as necessary.
		6. Monitor well pressure, temperature, and annulus pressure to verify well status and determine the cause and extent of any failure; identify and implement appropriate remedial actions (in consultation with the UIC Program Director).
		7. Determine if leaks to ground water or surface water occurred.
		8. If USDW contamination is detected:
		a. Notify the UIC Program Director within 24 hours of the determination.
		9. Review seismic and operational data.
		10. Report findings to the UIC Program Director and issue corrective actions.
Red	Seismic event greater than M2.0, and local observation or report, and local report and confirmation of damage[4]	1. Initiate shutdown plan.
		2. Vent CO2 from surface facilities
		3. Within 24 hours of the incident, notify the UIC Program Director, of the operating status of the well.
		4. Limit access to wellhead to authorized personnel only
		5. Communicate with facility personnel and local authorities to initiate evacuation plans, as necessary.
		6. Monitor well pressure, temperature, and annulus pressure to verify well status and determine the cause and extent of any failure; identify and implement appropriate remedial actions (in consultation with the UIC Program Director).
		7. Determine if leaks to ground water or surface water occurred.
		8. If USDW contamination is detected:
		a. Notify the UIC Program Director within 24 hours of the determination.
		9. Review seismic and operational data.
		10. Report findings to the UIC Program Director and issue corrective actions.

[1] Specified magnitudes refer to magnitudes determined by local Project Minerva or USGS seismic monitoring stations or reported by the USGS National Earthquake Information Center using the national seismic network.
[2] "Felt report" and "local observation and report" refer to events confirmed by local reports of felt ground motion or reported on the USGS "Did You Feel It?" reporting system.
[3] Reporting findings to the UIC Program Director and issuing corrective action will occur within 25 business days (five weeks) of change in operating state.
[4] Onset of damage is defined as cosmetic damage to structures, such as bricks dislodged from chimneys and parapet walls, broken windows, and fallen objects from walls, shelves, and cabinets.