



**Oil Conservation Division  
Energy, Minerals and Natural Resources Department  
State of New Mexico**

**Seismicity Response Protocol (rev. date December 20, 2021)**

**Category 1: Seismicity Response Protocol:**

**Effective when Two M2.5 Events Occur Within  
30 Days and Within a 10 mile Radius**

**Within 10 Miles**

**Monitoring & Reporting Protocols**

- Weekly reporting of daily injection volumes and average daily surface pressure
  - Reporting in addition to C-115 reporting, on form provided by OCD
  - Digitally measure injection volume and pressure. The Data must be recorded on an hourly basis at a minimum. Operator shall archive digital injection data and deliver upon request
  - Weekly reporting is due the Wednesday following the reporting period.
- Operators must provide the Seismicity Response Protocol Information form within 24 hours or next business day, whichever is latest, of an event using the OCD form.
- Operator must monitor seismicity (magnitude >~M2.5 for 10 miles around well using USGS/NMTSO data)
  - Operators shall share monitor data with OCD when requested
- Additional requirements may be added if determined appropriate by the OCD.

**Category 2: Seismicity Response Protocol:**

**Effective with one M3.0+ Event**

**M3.0+ event**

**All Category 1 Monitoring & Reporting protocols, and**

- 50% rate reduction within 0-3 miles
- 25% reduction between 3-6 miles
- Reductions to rate should start immediately and be completed within a week
- Provide the Seismicity Response Protocol Information form within 24 hours or next business day, whichever is latest, of an event using the OCD form.

**M3.5+ event**

**All Category 1 Monitoring & Reporting protocols, and**

- Shut in at 0-3 miles
- 50% rate reduction at 3-6 miles
- 25% rate reduction at 6-10 miles
- Reductions to rate should start immediately and be completed within a week
- Provide the Seismicity Response Protocol Information form within 24 hours or next business day, whichever is latest, of an event using the OCD form.

- ❖ **All rates should be reduced from the previous 6-month daily average of active injection days**
- ❖ **The Seismicity Response Protocol Information form should be submitted to the OCD using OCD Permitting within 24 hours or next business day, whichever is latest, of receiving monitoring data of a seismic event within 10 miles of its facility.**
- ❖ **The Daily Injection Report, should be submitted to the OCD using OCD Permitting. This report is due the Wednesday following the weekly reporting period.**
- ❖ **Such notification can be based on private or public seismic network data; however, final actions will be determined by USGS data concerning magnitude and location. All distances in this document are based on determined Epicenter.**
- ❖ **OCD may reduce or eliminate disposal volume restrictions within the curtailment radii above, at its sole discretion, if after 6 months no M3.0 events have occurred within 10 mi. of the original triggering event and/or OCD approves an operator/industry response plan within the response radii.**