



# STATE OF NEVADA

Department of Conservation & Natural Resources

DIVISION OF ENVIRONMENTAL PROTECTION

*Jim Gibbons, Governor*

*Allen Biaggi, Director*

*Leo M. Drozdoff, P.E., Administrator*

**Date:** June 1, 1999 (update October 2006)

**To:** All individuals proposing to conduct tracer tests

**From:** Russ Land, Bureau of Water Pollution Control, Nevada Division of Environmental Protection

**RE:** Information required for review by the Division for approval to use tracer(s) in ground water

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The Nevada Division of Environmental Protection is requiring the following information be provided for any individual or organization seeking approval for tracer tests.

1. **Summary of tracer test, including number of tracers to be used, frequency and duration of tracer injection, description of tracer monitoring and distance to monitoring points.**
2. **A topographic map showing injection location, and location of any potential receptors – e.g. water wells springs, water bodies.**
3. **Chemical name, formula and CAS number of all chemical components of the solution(s).**
4. **Manufacturer's name, phone and address.**
5. **Total mass/volume of dry/liquid chemical to be used, and frequency of use.**
6. **Concentration, in parts per million/billion, of chemical mixture before mixing (raw) and at the time of application.**
7. **Fate of Tracer: use a simple calculation to determine the water volume within the zone of testing, and provide an estimated concentration that is expected at the monitoring location based on the dilution.**
8. **Environmental Data Sheet (EDS) or if EDS is not available, a MSDS.**
9. **Special Cases: Decomposition products at 20°C and maximum temperature encountered; and time to decompose.**
10. **Special Cases: Discuss the interaction between the proposed additives and additives in use, and the by-products of their interaction.**

Note: Chemical information shall be submitted to the Division that clearly states the chemical composition (what's in it and at what concentration/mass) of the material. If the information is not provided, the Division will not approve this chemical for use.

Historically, it has been difficult for the Division to make a determination regarding the impact of these chemicals on the environment and ground/surface waters with the limited amount of information that has been provided. Hopefully, this notification will eliminate the need for requests by the Division for additional information, hence expediting the approval process.