



REGION 9

SAN FRANCISCO, CA 94105

MINOR MODIFICATION TO PERMIT NO. R9UIC-HI5-FY16-1R
ISSUED TO PUNA GEOTHERMAL VENTURE

In accordance with 40 CFR §144.41(f), Underground Injection Control (UIC) permit no. R9UIC-HI5-FY16-1R is hereby modified to reflect changes in the approved list of chemical additives. Specifically, the modification revises Appendix H of the Permit to include 2, 7-Naphthalenedisulfonic Acid Disodium Salt and Sulfur Hexafluoride. Portions of Appendix H are revised to incorporate the above changes and now read as follows (for clarity, changes on page 39 of the Appendices are shown below with new additions in bold):

Appendix H- Chemical Additives

Table with 3 columns: Product Function, Active Chemical Ingredient, and Maximum Injection Concentration(ppm). Rows include various corrosion inhibitors, anti-scalants, pH adjustors, and tracers like 2, 7-Naphthalenedisulfonic Acid Disodium Salt and Sulfur Hexafluoride.

This minor modification is effective immediately; all other permit conditions remain unchanged.

/s/
2024-12-04

Tomás Torres
Director, Water Division