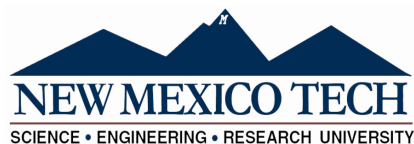


Posted: May 8, 2026



POSITION ANNOUNCEMENT

TITLE: POST-DOCTORAL RESEACHER

DEPT: EARTH AND ENVIRINMENTAL SCIENCE

REG **TEMP** **FULL TIME** **PART TIME**

STARTING RATE or SALARY RANGE \$58,000

Employees being promoted to a higher classified position receive the minimum for the position or a pay rate adjustment of 8% whichever is greater.

All regular positions also entitle the employee to several benefits including health, dental, vision, life insurance, and retirement which is largely paid by New Mexico Tech for the employee and dependents.

INTERNAL POSTING THROUGH: 05/20/2026* CONSIDERATION WILL BE GIVEN FIRST TO TEMPORARY AND REGULAR TECH EMPLOYEES WHO APPLY WITHIN THE 7 DAY INTERNAL POSTING. APPLICATIONS RECEIVED AFTER THE 7 DAY POSTING MARGIN WILL BE CONSIDERED WITH OTHER OUTSIDE APPLICANTS.

JOB SUMMARY:

The postdoctoral researcher will conduct experiments to understand rare earth mobility between solids and fluids at high temperatures and pressures using cold seal pressure vessels.

JOB FUNCTIONS:

Conduct cold seal pressure vessel experiments (including welding capsules, creating fluids, pressurizing, heating and quenching experiments) *

Analyze fluids using ICPMS, ICPOES, and MC-ICPMS; Analyzing solids using scanning electron microscope, electron microprobe and LA-ICMPS

Drafting Manuscripts

Mentoring graduate students and assisting with maintaining cold seal furnaces

REQUIRED QUALIFICATIONS:

Ph.D. or other doctorate level equivalent in Experimental Geochemistry. Safe operation of cold seal vessel and creation of capsules. Analysis of experimental fluids using ICP-MS, -OES, and MC-ICPMS. Knowledge of SEM for imagine.

DESIRED QUALIFICATIONS:

Knowledge of electron microprobe and LA-ICPMS for compositions of solids.

LIFTING REQUIREMENTS:

(f)requently, (o)ccasionally, or (s)eldom

0 - 15 pounds	F
15 - 30 pounds	
30 - 50 pounds	
50 - 100 pounds	
100 + pounds	

PHYSICAL DEMANDS:

Standing 25%	Sitting 50%	Walking	Pulling
Pushing	Lifting 15%	Stooping 5%	Kneeling
Crawling 5%	Climbing	Reaching	Other

Apply to: nmtjobapps@npe.nmt.edu