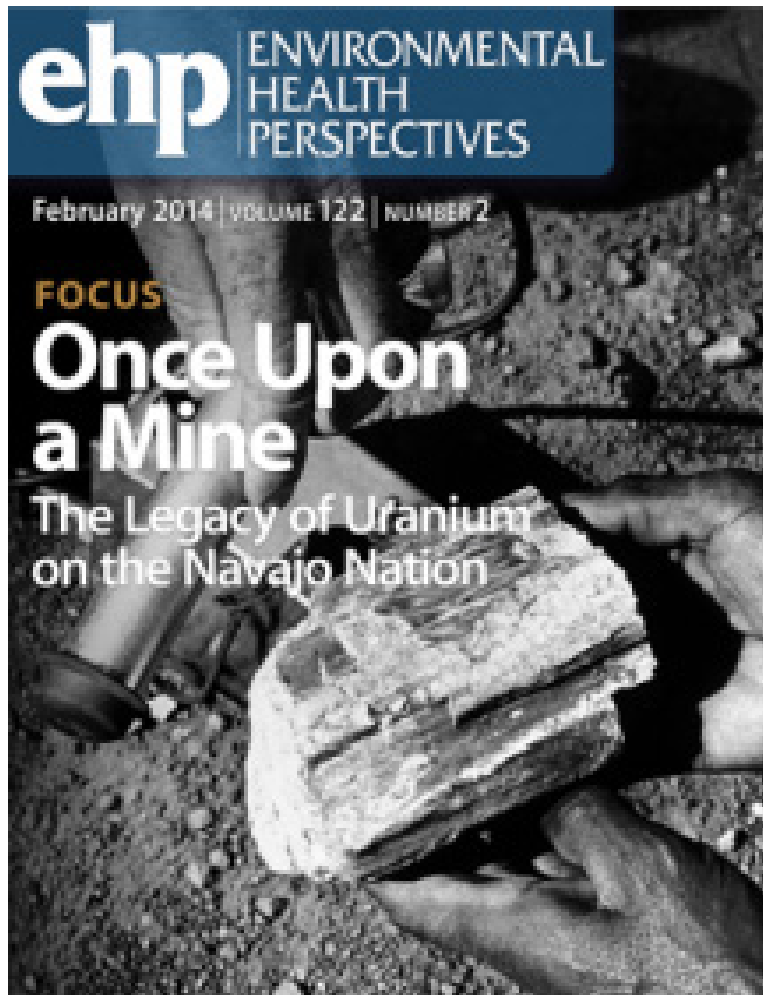


ENVIRONMENTAL HEALTH PERSPECTIVES,

február 2014, ročník 122, číslo 2



FOCUS

Once Upon a Mine: The Legacy of Uranium on the Navajo Nation

Carrie Arnold | A44

The Navajo Nation is home to hundreds of abandoned uranium mines, ranging from small holes dug by a single prospector into the side of a mesa to large commercial mining operations. Within decades of the arrival of prospectors in the 1940s, Navajo miners were being diagnosed with lung cancer, a relatively rare disease in this largely nonsmoking population. Today the Navajo population remains at high risk for kidney disease as a result of uranium exposure, as well as potentially associated hypertension, cardiovascular disease, and autoimmune diseases.

Radionuclides in Fracking Wastewater: Managing a Toxic Blend



Valerie J. Brown | A50

Extracting gas from the Marcellus Shale usually entails a practice known as hydraulic fracturing (“fracking”). Fracking brings up more than gas from the depths; the wastewater that flows to the surface contains radioactive materials that must be managed and disposed of. Fracking in the Marcellus has advanced so quickly that public understanding and research on its radioactive consequences have lagged behind, and there are many questions about the extent and magnitude of the potential risk to human health.

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