

MEMORANDUM

September 14, 2007

To: Steve Tarlton, Jeff Deckler, Martin O'Grady
From: Edgar Ethington, Phil Stoffey *ES PS*
Subject: Tallahassee Creek Trip Report:

September 6, 2007, 1500 to 1700 hours.
Fremont County, Colorado
Tallahassee Creek

Phil Stoffey and Edgar Ethington interviewed Mr. Lee Alter of 489 Fremont County Road 21A concerning piles of earth materials adjacent to old uranium mines in the vicinity. This locale is in the Tallahassee Creek uranium-mining district. There are surface mine workings.

Ambient radiation dose in the area is approximately 15 to 17 micro REM per hour ($\mu\text{R/hr}$).

Location 1 is near Mr. Alter's residence. It is approximately in the NE $\frac{1}{4}$ of Section 14, T50N, R73W, 6th PM. Radiation dose rate in the area was measured at an approximate maximum of 50 $\mu\text{R/hr}$. The main pit of the working is flooded. Size is approximately 4 or 5 acres.

Location 2 is at approximately Section 35, T50N, R73W, 6th PM. Measured dose rate mostly in the 50 to 100 $\mu\text{R/hr}$ range, with an area on the southern part in the 400 to 600 $\mu\text{R/hr}$ range. Host rock appears to be a rhyolite. Size is about 10 acres.

No residences are present on either site. There are nearby residences at both locations, but the measured dose rate at residences is ambient. Both sites have little or no physical restrictions to access. Area is sparsely populated. Roads are un-paved. Geology is igneous and recent alluvium and colluvium. Rock types observed were granitic, gneissic, and possibly volcanic.

Mr. Alter wanted to know who was responsible for cleaning up the surface disturbances associated with the mining activities. We told him that the Department of Natural Resources, Division of Reclamation Mining & Safety had this regulatory role.

Mr. Alter also stated that some property owners in the area had received letters expressing interest in possibly doing mining in the area. We were not shown these letters.

Mr. Alter asked questions relating to geology and potential uranium mining. We answered these questions as best we could, with the caveat that the opinions were ours and not those of the CDPHE.