

MI, 13-2

OTS NOTE

DATE: February 19, 1991
TO: Alexander Williams
FROM: Dan Stout *DS*
SUBJECT: Baker-Perkins Company Consideration Recommendation

The attached memorandum and supporting documents are the basis for our recommendation to eliminate the former Baker-Perkins Company site from further consideration under FUSRAP. The current occupant of the site, located in Saginaw, Michigan, is the APV Chemical Company.

Documents discovered to date indicating use or handling of radioactive material by the Baker-Perkins Company include nine Analytical Data Sheets dated 14-18 May 1956. Information in these sheets provides a brief description of the operations and reports the results of radiological monitoring conducted at the work site by the National Lead Company of Ohio (NLO), an Atomic Energy Commission (AEC) prime contractor.

The data sheets indicate that the former Baker-Perkins Company demonstrated/tested their mixing equipment for NLO. The tests involved mixing uranium trioxide (orange oxide) with water and kneading the mixture, first in their "P" KO-Kneader and then in their "K" KO-Kneader (14-15 May). Decontamination of the equipment used during the tests was conducted on 15-18 May. The quantity of orange oxide used during the tests is unknown; however, based upon the description of operations in the data sheets, at least one but no more than two "drums" of orange oxide are believed to have been used in the tests. Although not documented in the data sheets, it is reasonable to assume that the material used in the tests was removed from the test site by NLO in accordance with AEC accountability procedures in place at the time.

A telephone interview was conducted with a former Baker-Perkins employee who joined the company in the mid-1970's (see attached Contact Report). The person interviewed was not aware of any history of uranium processing by the company. He did indicate that tests were routinely conducted for prospective customers.

In view of the limited quantity of radioactive material involved, the short duration of the tests, and evidence of equipment clean-up, the potential for residual radioactive contamination in excess of current DOE guidelines is considered remote. Therefore, we recommend that this site be eliminated from further consideration as a candidate for remedial action under FUSRAP and be removed from the FUSRAP considered sites list.

cc: C. Young
E. Mitchell
file FUSRAP MI.13