

MEMORANDUM

TO: FILE - FUSRAP MI-13

DATE 2/11/91

FROM: D. Stout

SUBJECT: Baker-Perkins Company Site Summary

SITE NAME: Baker-Perkins Company ALTERNATE NAME: APV Chemical

CITY: Saginaw STATE: Michigan

OWNER(S) Past: Baker-Perkins Current: APV Chemical
Owner contacted [x] yes [] no; if yes, date contacted 1/28/91

TYPE OF OPERATION

- [x] Research & Development
[] Production scale testing
[x] Pilot Scale
[] Bench Scale Process
[] Theoretical Studies
[] Sample & Analysis
[] Production
[] Disposal/Storage
[x] Facility Type
[] Manufacturing
[] University
[] Research Organization
[] Government Sponsored Facility
[x] Other Company's test laboratory

TYPE OF CONTRACT

- [] Prime
[] Subcontractor
[] Purchase Order
[] Other information (i.e., cost + fixed fee, unit price, time & material, etc)

Contract/Purchase Order # No record of contract

CONTRACTING PERIOD: 5/56 (period of test operation)

OWNERSHIP:

Table with 7 columns: AEC/MED OWNED, AEC/MED LEASED, GOVT OWNED, GOVT LEASED, CONTRACTOR OWNED, CONTRACTOR LEASED. Rows include LANDS, BUILDINGS, EQUIPMENT, ORE OR RAW MATL, FINAL PRODUCT, WASTE & RESIDUE.

Mixing tests on UO3 by National Lead of Ohio

AEC/MED INVOLVEMENT AT SITE

Control

- AEC/MED managed operations
- AEC/MED responsible for accountability
- AEC/MED overviewed operations
- Contractor had total control
- unknown

NLO - conducted tests

MATERIALS HANDLED:

Health Physics Protection

- Little or None
- AEC/MED responsibility
- Contractor responsibility

NLO Health & Safety division surveyed operations and decontamination.

Type (on basis of records reviewed)

- No Radioactive
- Natural Radioactive from Feed Materials Production
 - Ore
 - Refined Source Material
 - Residue
- Natural Radioactive Material from Non-Nuclear Activities
- Man-Made
- Other

Comment UO3 mixing tests

Quantities (on the basis of records reviewed)

- None
- Production Quantities
- Small Amounts

Comment 1-2 drums of material (UO3) is discussed in the records

OTHER PERTINENT FACTS:

- Facility was Licensed
 - During AEC/MED-Related Operations
 - For Similar Activities
 - For Other Activities

Comment No record of a license

- Commercial Production Involving Radioactive Material during AEC/MED Operations

- Facility was Decontaminated and Released

- Availability of Close Out Records

- None
- Some
- Sufficient

Survey notes clean-up of test equipment

<input type="checkbox"/> Radioactive Status:	YES	MAYBE	PROBABLY	NOT
			NOT	
Contaminated Potential for Exposure (accessible)	---	---	<u>X</u>	---
				<u>X</u>

QUANTITY OF RECORDS AVAILABLE:

- Very Little
- Some
- Sufficient

PROBABILITY OF FINDING ADDITIONAL RECORDS:

- Low
- Possible
- High

RECOMMENDATIONS:

- Eliminate
- Consider for Remedial Action
- Collect More Data

Comment Site conducted one-time test operation with small quantities. Records note thorough equipment cleanup

REFERENCES: - NLO Analytical Data Sheets, 5/14/56 - 5/17/56
 - Record of contact with APV clinically, 1/28/91

SUMMARY

Baker - Perkins appears to have conducted a brief demonstration of their equipment for National Lead at Ohio. Apparently the test did not go well, as the survey refers to equipment problems. Equipment cleanup is thoroughly documented. While dispersion of UO₂ dust is noted, the small quantities involved and brief period of operations make residual contamination unlikely.