

CT. 11-1

3749

MEMORANDUM

TO: FILE

DATE 11/9/87

FROM:

C. Young

cm

SUBJECT:

SITE

NAME: FENN MANUFACTURING Co.

ALTERNATE

NAME: FENN MACHINERY Co.

CITY: HARTFORD STATE: CT

OWNER(S)

Past:

Current:

Owner contacted ☐ yes ☒ no; if yes, date contacted

TYPE OF OPERATION

☒ Research & Development☒ Facility Type☐ Production scale testing☐ Pilot Scale☒ Bench Scale Process☐ Theoretical Studies☐ Sample & Analysis☒ Manufacturing☐ University☐ Research Organization☐ Government Sponsored Facility☐ Other☐ Production☐ Disposal/Storage

TYPE OF CONTRACT

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

Contract/Purchase Order # UNKNOWN

CONTRACTING PERIOD: JUNE 1980

OWNERSHIP:

AEC/MED
OWNEDAEC/MED
LEASEDGOVT
OWNEDGOVT
LEASEDCONTRACTOR
OWNEDCONTRACTOR
LEASED

LANDS

BUILDINGS

EQUIPMENT

ORE OR RAW MATL

FINAL PRODUCT

WASTE & RESIDUE

☐☐☐☒☒☒☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☒☒☒☐☐☐☐☐☐☐☐☐

Records indicate two and possibly a third garden (swaging) at Fenn New Britain laboratory. (intended attempt to swage 1.6 inch diameter rods - 2 ft long - unsuccessfully. These rods were handled. A second test took place at Hartford, CT, facility)

AEC/MED INVOLVEMENT AT SITE

Control

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

- ☒ Health Physics Protection
☐ Little or None
☒ AEC/MED responsibility
☐ Contractor responsibility

MATERIALS HANDLED:

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 _____

Quantities (on the basis of records reviewed)

- ☐ None ☐ Production Quantities
☒ Small Amounts
Comment _____

OTHER PERTINENT FACTS:

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

- ☐ Commercial Production Involving Radioactive Material during AEC/MED Operations
☐ Facility was Decontaminated and Released
☐ Availability of Close Out Records
☐ None ☐ Some ☐ Sufficient

☒ Radioactive Status:

	YES	MAYBE	PROBABLY	NOT
Contaminated	---	---	NOT X	---
Potential for Exposure (accessible)	---	---	X	---

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

Elimination recommendation based upon limited duration of tests (probably only one day) and small amount of material handled - thus little or no potential for residual contamination.

REFERENCES:

See attached list.

SUMMARY

Tests conducted to explore feasibility of swaying uranium rods to finished size for use in the fuel reactor. Records indicate two tests (probably less than 1 day duration each). Tests of swaying apparently 15' rods out to 4' in the apparently unsuccessful. No records found of the third test mentioned that was to have taken place in August 1950. Because of the limited duration of the test, ~~and~~ small quantity of material handled and supervision by MED Health & Safety personnel, potential for significant quantity of residual radioactive material is considered remote. Therefore, recommend eliminating this site from further consideration under FUSRAP.

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10/28/87

FENN MACHINERY CO

DATE	FILE#	FROM	TO	SUBJECT	SITES	BOX #
07/05/50	CT.11	KLEVIN, P.	HARRIS, W.	SECOND SWAGING TEST AT FENN MACHINERY	FENN MACHINERY	EHL 839
07/05/50	CT.11	KLEVIN, P.	HARRIS, W.	SECOND SWAGING TEST AT FENN MACHINERY	FENN MACHINERY	EHL 2289
11/08/50	CT.11	SMITH, R.	STURGES, D.	URANIUM FABRICATION LETTER (ROLLING IMPROVEMENT STUDIES, MACHINING COST REDUCTION STUDIES)	FENN MANUFACTURING CO., SIMONDS, B125 SYLVANIA	3599
4/12/50	CT.11	Stroke, R to H Reichard		Swaging of Uranium Rods	Fenn Manufacturing Company	