

3729

PA. 31-2

PA. 31

E

MEMORANDUM

TO: FILE

DATE 10/28/87

FROM: C. Young

SUBJECT: Elimination Recommendation

SITE NAME: BIRDSBORO STEEL & FOUNDRY

ALTERNATE NAME:

CITY: Birdsboro STATE: PA

OWNER(S) Birdsboro Steel Foundry &

Past: Machine Company Current: UNKNOWN  
Owner contacted [ ] yes [x] no; if yes, data contacted

TYPE OF OPERATION

- Research & Development
- Production scale testing
- Pilot Scale
- Bench Scale Process
- Theoretical Studies
- Sample & Analysis
- Facility Type
- 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 # AT (30-1)-1060

CONTRACTING PERIOD: 1951-1954

OWNERSHIP:

	AEC/MED OWNED	AEC/MED LEASED	GOVT OWNED	GOVT LEASED	CONTRACTOR OWNED	CONTRACTOR LEASED
LANDS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
BUILDINGS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
EQUIPMENT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ORE OR RAW MATL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FINAL PRODUCT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
WASTE & RESIDUE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

N/A

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 Small (pound) quantities of uranium metal were apparently used in the design and development of metal fabrication facilities at the AEC Feed Material Production Center, Fernald, OH.

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	NOT
Contaminated Potential for Exposure (accessible)	---	---	X	---
	---	---	---	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 \_\_\_\_\_

REFERENCES: See attached list  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

SUMMARY

Birdsboro was under contract with the AEC New York Operations office for design and development of metal fabrication facilities installed at the AEC Fuel Materials Production plant (FMPC) at Fernald, OH. Birdsboro representatives participated in the extensive uranium fabrication development program conducted at a number of commercial facilities. No information has been discovered that would indicate metal fabrication operations in support of the development program were conducted at the Birdsboro facilities in Pennsylvania. Only one document has been found that indicates shipment of uranium metal (11.5 pounds) to the Birdsboro facility - purpose or use is unknown. Therefore there is no reason to suspect the presence of residual radioactive material in concentrations above current guidelines.

The Company also supplied construction materials to AEC/ORR R. & E. under this contract (attached)

DATE	FILE#	FROM	TO	SUBJECT	SITES	BOX #
02/01/52	PA.31	SMITH, R.	KING, L.	SHIPMENT OF MATERIAL (FROM MODEL CITY)	BIRDSBORO STEEL, MODEL CITY	65/30 2950
12/26/51	OH.12	ABRAMS, L.	O'LEARY, W.	URANIUM FABRICATION PROGRAM (MEETING MINUTES)	NLD, MEDART, DUPONT, BIRDSBORO	865 3540
01/14/52	NY.26	ABRAMS, L.	O'LEARY, W.	URANIUM FABRICATION DEVELOPMENT	AMF, DUPONT, BETHLEHEM STEEL, BIRDSBORO, NEW BRUNSWICK LAB, BENDIX	865 3547

02/15/51 Reichard, J.F. FILES

Trip to Birdsboro Steel Foundry & Machine Co. - February 7, 1951

FORWARD, BIRDSBORO 22/5

11.5<sup>kg</sup> of 14x2" wafers shipped to Birdsboro

Birdsboro participation in development program - Uranium Fabrication Development - toward design of FORWARD mills.

Birdsboro participation in Uranium Fabrication Program towards design and development of FORWARD mills.