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NY.34

3815

MEMORANDUM

TO: FILE

DATE 11/17/87

FROM: Andrew Wallo

SUBJECT: Elimination of Crucible Steel Company of America

SITE NAME: Crucible Steel Co of America

ALTERNATE NAME:

CITY: Syracuse STATE: NY

OWNER(S) Phone # 315 487-4111 (Company is still there no electrical contact)

Past: CRUCIBLE Current: CRUCIBLE
Owner contacted yes ~~no~~; if yes, data contacted 11/17-20/87

TYPE OF OPERATION

Bob walls

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

TYPE OF CONTRACT

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

Contract/Purchase Order #

CONTRACTING PERIOD: Tests with small amounts of radioactive metal in 1951
Non-Radioactive work in the 1940's and 1950's

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 checked="" type="checkbox"/>	<input type="checkbox"/>
BUILDINGS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
EQUIPMENT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
WASTE & RESIDUE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

10 Billets of Thorium were forged and rolled at this facility (about 26 kgs)
The thorium belonged to TRAMEC and the process was observed by

AEC/MED INVOLVEMENT AT SITE

Control

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

inferred from letters

- 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 Thorium metal

Comment CRUCIBLE provide large quantities of Non-Radioactive metal set only limited work with Thorium

Quantities (on the basis of records reviewed)

- None
- Production Quantities
- Small Amounts

Comment A total of 10 Billets were used in rolling experiments (Thorium metal)

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
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Contaminated Potential for Exposure (accessible)	---	---	NOT 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 Due to limited size of operation potential for contamination is low. No further FUSRAP investigations are warranted.

REFERENCES:

Attached

SUMMARY

Crucible Steel provide considerable quantities of non radioactive metal to the FEC. It appears their experience with radioactive metal was limited to 10 billets of Thorium metal rolled in 1951. Based on the small size of this operation no additional FUSRAP investigation is warranted. Potential for exposures above guidelines is very low.