

IA.D4-2  
3819

IA.4

MEMORANDUM

TO: FILE

DATE: 11/21/87

FROM: A. Wallb

SUBJECT: Elimination Titus metals

SITE NAME: Titus Metals, Inc.

ALTERNATE NAME:

CITY: Waterloo STATE: Iowa

OWNER(S)

Past: Titus Metals Inc. Current: \_\_\_\_\_  
Owner contacted ~~yes~~ no; if yes, date contacted \_\_\_\_\_

TYPE OF OPERATION

- Research & Development
- Facility Type
- Production scale testing
- Manufacturing
- Pilot Scale
- University
- Bench Scale Process
- Research Organization
- Theoretical Studies
- Government Sponsored Facility
- Sample & Analysis
- 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 # Argonne Subcontract

CONTRACTING PERIOD: June 1956

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 checked="" 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"/>

ANL conducted tests extrusion of uranium for Argonaut Reactor. ANL monitored and controlled the operation as well as the uranium.

AEC/MED INVOLVEMENT AT SITE

Control

- AEC/MED managed operations (ANL)  Health Physics Protection
- AEC/MED responsible for accountability  Little or None
- AEC/MED overviewed operations  AEC/MED responsibility (ANL)
- Contractor had total control  Contractor responsibility
- unknown

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 Uranium metal

Quantities (on the basis of records reviewed)

- None  Production Quantities
- Small Amounts

Comment about 50 pellets

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 Cut Records

None  Some  Sufficient

Radioactive Status:

	YES	MAYBE	PROBABLY	NOT
			NOT	

Contaminated Potential far 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 *ANL monitored the site during operations and close out records indicate site was adequately decontaminated. No need for further FSAP consideration*

REFERENCES:

*Attached*

SUMMARY

*Titus Metals was used by ANL to extrude fuel for the Argonaut reactor. Radiological survey identified no contamination after completion of the operation.*