

MEMORANDUM

TO: FILE

DATE 11/5/67

FROM: Andrew Walls III

SUBJECT:

SITE NAME: Humphreys Gold Company

ALTERNATE NAME: Titanium Alloy Mfg. Co. or National Lead Co.

CITY: Jacksonville STATE: Florida

OWNER(S) Titanium alloys Mfg Co. (1940's) Past: National Lead Co. (1955) Current: Owner contacted [] yes [x] no; if yes, date contacted

TYPE OF OPERATION

- Research & Development, Facility Type, Production-scale testing (awII), Manufacturing, University, Research Organization, Government Sponsored Facility, Other, Production, Disposal/Storage

TYPE OF CONTRACT

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

Contract/Purchase Order #

CONTRACTING PERIOD: The facility was identified as a possible source of Monazite. Humphreys was producing it for commercial sale. AEC visited the site and considered purchase OWNERSHIP: but no records of actual purchases were identified.

Table with 6 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.

Humphreys (operator) or Titanium Alloys or later National Lead Co. (owners) owned all the equipment and materials and product. AEC had no direct involvement in these commercial operations and if any monazite was supplied to the AEC it appears it would have been by purchase order.

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 Humphries (and during the war years Titanium Alloys) produced various minerals including ilmenite, zircon, monazite, rutile and so forth for commercial sale.

Quantities (on the basis of records reviewed)

- None
- Production Quantities
- Small Amounts

Comment There is no actual record of monazite purchases by the AEC; however, the relative amount of monazite identified as available from Humphries was small in comparison to other producers.

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)	---	---	---	---

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 None of the records identified suggest AEC involvement in the Humphreys operation. It was ~~just~~ a commercial source for monazite. While the AEC may have purchased some there is no record of the purchase.

REFERENCES:

----- Attached -----

SUMMARY

This site was a commercial producer of minerals. It began operations (Titanium Alloys) during the war years and in the late 1940's and the 1950's it was operated by Humphreys. The operation was never controlled by the AEC and was only listed in the records book as a source of monazite. If purchases were made by the AEC they would have been for the commercial monazite being produced by Humphreys. There is no basis for considering this site under FUSRAP.

HUMPHREY'S GOLD

DATE	FILE#	FROM	TO	SUBJECT	SITES	BOX #	
12/08/47	FL.8	DASHER, J.	MERRITT, P.	TRIP REPORT - DESCRIPTION OF ZIRCON PROCESSING AND MONAZITE RECOVERY FROM ZIRCON TAILS	HUMPHREYS GOLD CO., JACKSONVILLE, TITANIUM ALLOY	15/14	1880
06/06/55	3.1RMD	EMONDS, R.	MCCARRILL, T.	MONAZITE DREDGING OPERATIONS AND PLACER DEPOSITS CONTAINING THORIUM MINERALS	MULTIPLE, BAUNHOFF-MARSHALL, IDAHO-CANADIAN DREDGING, LINDSAY LIGHT, HUMPHREYS GOLD CORP, MARINE MINERALS, INC., NLD, BOM	15/3	1895
10/22/51	NJ.10	BELMORE, F.	MERRITT, P.	RAW MATERIAL FEED FOR FNPC THORIUM PLANT	LINDSAY LIGHT, RARE EARTHS, WOLFF-ALPORT, HUMPHREY GOLD, LANNETT BLEACHERY, NATIONAL CARBON, MAYWOOD	15/4	1898