

MEMORANDUM

TO: FILE

DATE June 28, 1990

FROM: Don Mackenzie

SUBJECT: Elimination of Englehard Ind. from the FUSRAP program.

SITE NAME: Englehard Industries

ALTERNATE NAME: Baker + Company

CITY: Newark

STATE: NJ

OWNER(S)

Past: Dr. E. Rosenblatt Senior VP Current: L. Fiesel Assoc. General Counsel

Owner contacted yes no; if yes, date contacted 10-30-87 telecon
11-18-87 letter

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 Laboratory

- Production
- Disposal/Storage

TYPE OF CONTRACT

- Prime
- Subcontractor
- Purchase Order

Other information (i.e., cost + fixed fee, unit price, time & material, etc) Contracts were referred to as price per unit

Contract/Purchase Order # W-7407-eng-1, 4, 6, 15, and 22

CONTRACTING PERIOD: 1943-1962

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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

MED/AEC provided catalyst for assay and recovery of platinum. None of the correspondence refers to waste products. No mention is made of waste in records regarding transfers.

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AEC/MED INVOLVEMENT AT THE

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 Spent Catalyst

Comment Facility processed spent catalyst for the recovery of ^{platinum} ~~platinum~~ and recovery ~~of~~ of catalyst. Also reference was found of earlier iridium assays.

Quantities (on the basis of records reviewed)

- None
- Production Quantities
- Small Amounts

Comment Records show that during the period of 1943-1950 at 62000 lbs of spent catalyst was processed

OTHER PERTINENT FACTS:

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

Comment Entelchar Industries was issued AEC license (#C-1837) in 1955. Entelchar had licenses from 1935-1964.

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 Potential for Exposure (accessible)	---	---	NOT <u>X</u>	---
	---	---	---	<u>X</u>

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 J. Berger, ORAU located the site of Enghard Ind. on 2/6/90. The building used for MED/AFI activities had been torn down and a new building was on the site.

- REFERENCES: 8-14-44 letter from W. Farhino to MED - concerning Iridium processing.
2-18-46 letter from Enghard Industries to AFD - concerning platinum recovery.
10-30-87 memo from Co. Yarns - Telecom summary of Filigal calls.
11-18-87 DOE letter to J. Filigal - requesting historical information.
11-18-87 memo from Co. Yarns - revised site summary.
2-12-90 letter from J. Berger, ORAU - site visit report.

SUMMARY Enghard Industries was a contractor to MED/AFI for assay & recovery of platinum on spent catalyst and assay and produce pure iridium metal from 1943-1956. The work was performed in a 20' x 20' laboratory that has since been demolished. A new building has been built on the site rendering the ground inaccessible for a survey.