

MEMORANDUM

TO: FILE

DATE June 28, 1990

FROM: Dan 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. Fliegel, 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, 5, 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~~ ^{Platinum}. Name of the correspondance refers to waste products. No mention is made of waste in records regarding transfers.

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 Spent Catalyst

Comment Facility processed spent catalyst for the recovery of ^{Platinum} ~~iridium~~ and recover ~~production~~ of catalyst. Also references were 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 62,000 lbs of spent catalyst was processed.

OTHER PERTINENT FACTS:

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

Comment Engelhard Industries was issued AEC license (#C-1887) in 1955. ~~Engelhard~~ Engelhard had licenses from 1955-1962.

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

REFERENCES: 8-14-44 letter from W. Farthing to MED - concerning Iridium processing.
7-18-46 letter from Engelhard Industries to AED - concerning platinum recovery.
10-30-87 memo from C. Young - Telecom summary of Eliegal calls.
11-18-87 DOE letter to F. Filiegal - requesting historical information.
11-18-87 memo from C. Young - revised site summary.
2-12-90 letter from J. Berger, ORAU - site visit report.

SUMMARY

Engelhard Industries was a contractor to MED/AEL for assay & recovery of platinum in spent catalyst and assay and produce pure iridium metal from 1943-1955. The work was performed in a 20'x20' laboratory that has since been demolished. A new building has been built on the site rendering the ground inaccessible for a survey.