

IL 16.3

IL 16

3728

MEMORANDUM

TO: FILE

DATE 10/28/87

FROM: C. Young

SUBJECT: ELIMINATION RECOMMENDATION

SITE NAME: FAN STEEL METALLURGICAL CORP ALTERNATE NAME:

CITY: North Chicago STATE: IL

OWNER(S)

Past: FAN STEEL METALLURGICAL CORP Current: UNKNOWN
Owner contacted [] yes [X] no; if yes, date contacted

TYPE OF OPERATION

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

TYPE OF CONTRACT

- [] Prime [] Other information (i.e., cost + fixed fee, unit price, time & material, etc)
[X] Subcontractor - Prime - Univ of Chicago
[X] Purchase Order (Probable after expiration of subcontract.)

Contract/Purchase Order # 7401-37-91

CONTRACTING PERIOD: June 1944 - June 1945

OWNERSHIP:

Table with 7 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.

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 _____

Quantities (on the basis of records reviewed)

- None
- Production Quantities
- Small Amounts

Comment _____

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)	---	---	-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 Recommendation based on the determination that there is no potential for residual radioactive contamination from operations conducted at the Fansteel facility in support of MED/ACC activities.

REFERENCES: See attached listing

SUMMARY

Fansteel conducted studies and experimental investigations and developed processes for making chemicals and fabricating metal powders. This firm was the sole source of columbium metal for MED/ACC. Tantalum, tungsten and some beryllium products were purchased by MED/ACC. Fansteel was under contract with the University of Chicago during the period June 1944 thru June 1945. Other purchases of product by MED/ACC from Fansteel were probably under individual purchase orders. Fansteel also had the capability to produce thorium compounds. But, no documents indicating purchase of significant quantities of such products by MED/ACC were found.

FANSTEEL METALLURGICAL CORP.

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DATE	FILE#	FROM	TO	SUBJECT	SITES	BOX #	
08/30/44	3.1MSA	BRINKMAN, E.	DISTRICT ENGINEER	TRANSMITTAL OF BUREAU VOUCHERS DATED 8/30/44, 8/19/44, 7/22/44, 7/20/44, 7/14/44, 7/5/44, AND 7/4/44	VITRO, AFRIMET, FANSTEEL, HARSHAW, MACHELETT LAB, MCH, BRUSH, LEDDOUX, PENNSALT, PREGEL	18/4	1128
10/18/44	3.1MSA	BRINKMAN, E.	DISTRICT ENGINEER	TRANSMITTAL OF BUREAU VOUCHERS DATED 10/18, 10/9, 9/22, 9/16, 9/14, 9/12, 9/9, 9/6, 9/4, 9/1, 11/1, 11/13, 11/22, 12/4, 12/13, 12/14, 12/16, 12/20	PENNSALT, VITRO, PREGEL, MCH, FANSTEEL, HARSHAW, WESTINGHOUSE, U.S. TRUCKING, BRUSH, DUMONT LAB, AMERICAN SMELTING, EASTMAN KODAK, BELMONT SMELTING, SICKLES CO.	18/5	1153
12/17/45	3.1MSA	KELLEY, W.	MARSDEN, E.	RECOMMENDATIONS FOR MANHATTAN DISTRICT SPECIAL AWARD	WESTINGHOUSE, STAUFFER CHEM, FANSTEEL, BABCOCK AND WILCOX, RAYTHEON, BRUSH, LORAIN, ELDORADO, VITRO, VCA	19/6	1263
06/05/44	IL.16	BRINKMAN, E.	DRIGGS, F.	CODE NAMES FOR ELECTROLYTIC ANNEALED IRON POWDER TUNGSTEN DISCS	FANSTEEL	165/34	1354
02/09/44	IL.16	CHAPMAN, T.	ZEITLIN, F.	RECEIPT OF 13 B.B. BRICKS FROM FANSTEEL	FANSTEEL	128/3	1387
10/18/44	IL.10	ARNOLD, L.	CHAPMAN, T.	THORIUM TRANSACTIONS DURING SEPTEMBER	LINDSAY LIGHT, FANSTEEL	128/2	1388
05/11/44	IL.16	KARL, C.	ZEITLIN, F.	JUSTIFICATION FOR AIR PRIORITY (SHIPMENT FROM FANSTEEL)	FANSTEEL	128/1	1389
05/06/44	IL.16	CHAPMAN, T.	ZEITLIN, F.	ANALYSIS OF BA O	FANSTEEL	128/1	1390
05/15/44	IL.16	ZEITLIN, F.	FLETCHER, L.	SHIPMENT OF BERYLLIUM TO FANSTEEL	FANSTEEL	132/25	1398

DATE	FILE#	FROM	TO	SUBJECT	SITES	BOX #
11/15/44	3.9	LIST OF SUBCONTRACTS		LIST OF SUBCONTRACTS - CHICAGO AREA OFFICE	MULTIPLE, WOLVERINE, U.S. PIPE, RESEARCH PRODUCTS, LENOX, PRINCETON, LINDSAY LIGHT, SCOVELL, BOSTON, ALCOA-GARWOOD, PRATT, ILLINOIS INSTITUTE, FANSTEEL, QUALITY HARDWARE, COPPERWELD, BRUSH BERYLLIUM	H566-7 1451
06/15/45	IL.16	MATTHEWS, H.	FANSTEEL	NOTICE OF TERMINATION OF SUBCONTRACT - FANSTEEL METALLURGICAL CORP. (CONTRACT IS ATTACHED)	FANSTEEL	H566-7 1461
11/06/44	IL.16	BRENINGER, A.	FILES	VISIT TO FANSTEEL METALLURGICAL CORPORATION, NORTH CHICAGO, NOVEMBER 4, 1944 - AVAILABILITY OF COLUMBIUM METAL	FANSTEEL METALLURGICAL CORP	MUC 2161
03/08/49	3.6.1	SIMPSON, O.	STEINBERG, E.	PURE COLUMBIUM FROM FANSTEEL CORPORATION	FANSTEEL CORPORATION	10/25 2229
08/27/48	PA.28	BALKE, C.	GIACCIO, F.	SEVEN LETTERS RE: BERYLLIUM PRODUCTION/RESEARCH	ROBERTS AND MANDER CORP., HATBORO, HORIZONS, KNOLLS, FANSTEEL	105/7 2868
12/13/43	IL.16	JOHNSON, R.	WAR DEPARTMENT	EIDM 0-220-C-MS (QUOTATION OF TUNGSTEN DISCS)	FANSTEEL	76/5 3138
12/29/49	IL.16	DRIGGS, F.	ANSCHER, B.	QUOTES ON COST OF BERYLLIUM CARBIDE	FANSTEEL METALLURGICAL CORP	108/6 3187
04/12/44	IL.16	BAUMBACH, H.	SEABORG, G.	TRIP TO FANSTEEL METALLURGICAL CORP	FANSTEEL	67X 3748
10/26/44	3.9	BORE, B.	KARL, C.	MONTHLY FIELD PROGRESS REPORT	MULTIPLE, CALIFORNIA, WOLVERINE, MI SCOVIN, JOSLYN, U.S. PIPE, DUPONT, IIT, RESEARCH PRODUCTS, MICHAEL REESE, PRINCETON, LINDSAY LIGHT, MICHIGAN, CARNEGIE, ALCOA-GARWOOD, PRATT, DEP ALL, WESTINGHOUSE, FANSTEEL, COPPER	66X 3767

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DATE	FILE#	FROM	TO	SUBJECT	SITES	BOX #
01/29/45	3.9	FUSSLER, H.	MULLIKEN, R.	CONTRACT NUMBERS AND SYMBOLS	IOWA, CALIFORNIA, MIT, BATTELLE, DUPONT, COLUMBIA, CARNEGIE, VICTOREEN, WOLVERINE, U.S. PIPE, IIT, RESEARCH PRODUCTS, LINDSAY LIGHT, LENNOX, KING LAB, BOSTON U, MEMORIAL, REESE, FANSTEEL, BRUSH, ILLINOIS	67X 3774
11/06/44	IL.16	GRENINGER, A.	FILE	TRIP REPORT TO FANSTEEL - AVAILABILITY OF COLUMBIUM METAL	FANSTEEL	66X 3776
09/27/44	3.9	BRANCH, W.	KIMPTON, L.	SUBCONTRACT REPORT FOR SEPTEMBER 26, 1944	MULTIPLE, CALIFORNIA, NYC, WOLVERINE, WISCONSIN, JOSLYN, U.S. PIPE, DUPONT, IIT, RESEARCH PRODUCTS, MICHAEL REESE, MICHIGAN, PRINCETON, CORN PRODUCTS, MAGNOLIA, BOSTON, ALCOA-6 ARWOOD, W. E. PRATT, DEPAUL, FANSTEEL	2X 3778