

3.719

IL.21-1

MEMORANDUM

TO: FILE

DATE 8/27/87

FROM: M.LAU

SUBJECT: Elimination Recommendation

SITE NAME: Great Lakes Carbon

ALTERNATE NAME:

333 N. Michigan Ave., Chicago

CITY: 8210 Austin Ave, Morton Grove STATE: IL

OWNER(S)

Past: Current: Owner contacted [] yes [x] no; if yes, date contacted

TYPE OF OPERATION

- [] Research & Development
[] Production scale testing
[] Pilot Scale
[] Bench Scale Process
[] Theoretical Studies
[] Sample & Analysis

- [x] Facility Type
[x] Manufacturing
[] University
[] Research Organization
[] Government Sponsored Facility
[] Other

- [] Production
[] Disposal/Storage

TYPE OF CONTRACT

- [x] Prime
[x] Subcontractor to ANL
[] Purchase Order
[] Other information (i.e., cost + fixed fee, unit price, time & material, etc)

Contract/Purchase Order # AT (45-1)-269

CONTRACTING PERIOD: 1952 - 1958

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.

Unknown

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

ANL took urine samples after subcontract

MATERIALS HANDLED:

Type (on basis of records reviewed)

- No Radioactive
- Natural Radioactive from Feed Materials Production
 - Ore
 - Refined Source Material Uranium and an indication of thorium
 - Residue
- Natural Radioactive Material from Non-Nuclear Activities
- Man-Made
- Other Graphite

Comment _____

Quantities (on the basis of records reviewed)

- None Production Quantities
- Small Amounts

Comment The quantities of uranium and thorium handled are unknown.

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
Contaminated Potential for Exposure (accessible)	---	---	NOT 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 Smear surveys done by Argonne National Laboratory in 1958
were within DOE guidelines.*

REFERENCES: SEE Attached Data Base Listing
IL 21 9/26/58 FROM Moe, H.J. TO Novak, J.R.

SUMMARY

Great Lakes Carbon studied graphite for the AEC in 1952 under contract
AT(45-1)-269. Great Lakes felt it was 2 years and five million dollars
away from producing pile grade graphite, so the AEC contacted National
Carbon and International Carbon.

In 1958 Great Lakes Carbon did some treat fuel work for Argonne
National Laboratory (ANL). As part of the contract ANL agreed to
decontaminate the facility used (Pilot Plant 3). Mobile items were decontaminated
at an area called D306. Smear surveys were taken before use, after use,
and after clean-up. In all smear surveys the results were within current
DOE guidelines.* Results of an Alpha survey showed a reading of
.2M/100cm² on a bench top (A) and .5M/100cm² at the pitch
impregnator (B). These results are considerably higher than the DOE
guidelines for non-removable radiation.

Records indicate that Great Lakes had 2 facilities: one located
in Chicago on Michigan Ave. and one located in Morton Grove,
a northern suburb of Chicago. The Michigan Ave. facility probably
served as headquarters while the plant was probably located in Morton
Grove.

In all likelihood, any other buildings at the Great Lakes Carbon
Morton Grove facility would not have handled radioactive materials.
Because ANL smear surveys were within DOE guidelines, it is
recommended that this site be eliminated from FUSRAP
consideration.

* U.S. Department of Energy Guidelines for Residual Radioactive Material
at Formerly Utilized Sites Remedial Action Program and Remote Surplus
Facility Management Program Sites. (Revision 2, March 1987)

GREAT LAKES CARBON CO.

HISTORICAL LISTING

FILE	REC#	BOX	DATE	FROM	TO	SUBJECT
1A.1	1440	HS87-3	05/13/44	MORSE, R. COE	BUNKER, C.	DISPOSAL OF SCRAP GRAPHITE POWDER (PRODUCED AT AMES)
WA.1	3586	18761	04/11/52	LIND, I. HANFORD <i>NOT FOUND</i>	LOHMEYER, J. INTL GRAPH	REPORTS - EQUIPMENT AND OPERATING PROCEDURES USED IN MANUFACTURE OF GBF GRAPHITE BARS, E PROCESS FINAL REPORT - HANFORD
IL.21	3622	1603	/ /	CONTRACT <i>NOT FOUND</i>		PROPOSALS TO PRODUCE A BATCH OF GBF GRAPHITE AT MORGANTON, NC - GREAT LAKES CARBON CORP, NATIONAL CARBON CO.
3.6.1	3632	A601	05/19/52	SHAW, D. HANFORD	COOK, R. WDC	PROPOSAL BY NATIONAL CARBON CO FOR SUPPLY OF GRAPHITE FOR EXPANSION PROGRAM
IL.21	3651	A601	04/09/52	STURGES, D.	DONITZ, V. HANFORD	GREAT LAKES GRAPHITE STUDIES