

OH.09-1

3462

MEMORANDUM

TO: FILE

DATE 4/30/87

FROM: S. Jones

SUBJECT: Elimination - Brush Beryllium, Elmore

SITE NAME: Brush Beryllium, Elmore

ALTERNATE NAME:

CITY: Elmore, OH STATE: OH

OWNER(S)

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

TYPE OF OPERATION

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

TYPE OF CONTRACT

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

Contract/Purchase Order # AT(30-1)-541

CONTRACTING PERIOD: 1954 - 55

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.

Beryllium

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
 - Small Amounts
 - Production Quantities - Fabrication + R+D
- Comment of Beryllium _____

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

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 operations here were from the Lucky plant after their move.
Beryllium work only

- REFERENCES: A. Walls to W. E. Mott dtd 7/8/83
P. R. Wilson to EPA dtd 6/8/81
B. SPARKS to H. KRY dtd 6/8/54

SUMMARY

Observation 10/11/90

The references provided here do not support that the AEC had a contract with Bussell Beryllium at Elmore.

- o The 6/8/81 only reports on the lucky site
- o The 6/8/54 only describes the Cleveland and lucky sites

— E. J. [signature]

CH. 9

BRUSHWELLMAN
ENGINEERED MATERIALS

Brush Wellman Inc.
Elmore, Ohio 43416
Phone 419/862-2745

June 8, 1981

*No form for the
Elmore site is included
here.*

U. S. Environmental Protection Agency
Region V
Site Notification
230 South Dearborn
Chicago, IL 60604

Dear Sirs:

In accordance with the requirements of Section 105 of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980, we are enclosing completed "Notification of Hazardous Waste Site" forms for our Elmore, Ohio and Luckey, Ohio plants.

Very truly yours,



P. R. Wilson, Manager
Environmental Control

bc: G. S. Blome
M. B. Powers

EPA Notification of Hazardous Waste Site

United States
Environmental Protection
Agency
Washington DC 20460

This initial notification information is required by Section 103(c) of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 and must be mailed by June 9, 1981.

Please type or print in ink. If you need additional space, use separate sheets of paper. Indicate the letter of the item which applies.

A Person Required to Notify:

Enter the name and address of the person or organization required to notify

Name BRUSH WELLMAN INC.
Street 17876 ST. CLAIR AVENUE
City CLEVELAND State OHIO Zip Code 44110

B Site Location:

Enter the common name (if known) and actual location of the site.

Name of Site BRUSH WELLMAN INC. LUCKEY PLANT
Street LUCKEY ROAD
City LUCKEY County WOOD State OHIO Zip Code

C Person to Contact:

Enter the name, title (if applicable), and business telephone number of the person to contact regarding information submitted on this form

Name (Last, First and Title) WILSON, PHIL, MGR. ENVIRONMENTAL CONTROL DEPT.
Phone 419/862-2745

D Dates of Waste Handling:

Enter the years that you estimate waste treatment, storage, or disposal began and ended at the site

From (Year) 1949 To (Year) 1958

Waste Type: Choose the option you prefer to complete

Option 1: Select general waste types and source categories. If you do not know the general waste types or sources, you are encouraged to describe the site in Item I—Description of Site.

General Type of Waste:

Place an X in the appropriate boxes. The categories listed overlap. Check each applicable category.

- 1. Organics
- 2. Inorganics
- 3. Solvents
- 4. Pesticides
- 5. Heavy metals
- 6. Acids
- 7. Bases
- 8. PCBs
- 9. Mixed Municipal Waste
- 10. Unknown
- 11. Other (Specify)

Source of Waste:

Place an X in the appropriate boxes

- 1. Mining
- 2. Construction
- 3. Textiles
- 4. Fertilizer
- 5. Paper/Printing
- 6. Leather Tanning
- 7. Iron/Steel Foundry
- 8. Chemical, General
- 9. Plating/Polishing
- 10. Military/Ammunition
- 11. Electrical Conductors
- 12. Transformers
- 13. Utility Companies
- 14. Sanitary/Refuse
- 15. Photofinish
- 16. Lab/Hospital
- 17. Unknown
- 18. Other (Specify)

Option 2: This option is available to persons familiar with the Resource Conservation and Recovery Act (RCRA) Section 3001 regulations (40 CFR Part 261).

Specific Type of Waste:

EPA has assigned a four-digit number to each hazardous waste listed in the regulations under Section 3001 of RCRA. Enter the appropriate four-digit number in the boxes provided. A copy of the list of hazardous wastes and codes can be obtained by contacting the EPA Region serving the State in which the site is located.

D008
P015

Notification of Hazardous Waste Site

Side Two

Waste Quantity	Facility Type	Total Facility Waste Amount
Place an X in the appropriate boxes to indicate the facility types found at the site in the "total facility waste amount" space give the estimated combined quantity (volume) of hazardous wastes at the site using cubic feet or gallons in the "total facility area" space, give the estimated area size which the facilities occupy using square feet or acres.	1 <input type="checkbox"/> Piles	Cubic feet <u>741,000</u>
	2 <input type="checkbox"/> Land Treatment	Gallons _____
	3 <input checked="" type="checkbox"/> Landfill	Total Facility Area
	4 <input type="checkbox"/> Tanks	Square feet _____
	5 <input type="checkbox"/> Impoundment	Acres <u>8.5</u>
	6 <input type="checkbox"/> Underground Injection	
	7 <input type="checkbox"/> Drums, Above Ground	
	8 <input type="checkbox"/> Drums, Below Ground	
	9 <input type="checkbox"/> Other (Specify) _____	

G Known, Suspected or Likely Releases to the Environment:

Place an X in the appropriate boxes to indicate any known, suspected, or likely releases of wastes to the environment.

Known Suspected Likely None

Note: Items Hand I are optional. Completing these items will assist EPA and State and local governments in locating and assessing hazardous waste sites. Although completing the items is not required, you are encouraged to do so.

H Sketch Map of Site Location: (Optional)

Sketch a map showing streets, highways, routes or other prominent landmarks near the site. Place an X on the map to indicate the site location. Draw an arrow showing the direction north. You may substitute a publishing map showing the site location.

SEE ATTACH PLOT PLAN SKD-806

I Description of Site: (Optional)

Describe the history and present conditions of the site. Give directions to the site and describe any nearby wells, springs, lakes, or housing. Include such information as how waste was disposed and where the waste came from. Provide any other information or comments which may help describe the site conditions.

SEE ATTACHED

J Signature and Title:

The person or authorized representative (such as plant managers, superintendents, trustees or attorneys) of persons required to notify must sign the form and provide a mailing address (if different than address in item A). For other persons providing notification, the signature is optional. Check the boxes which best describe the relationship to the site of the person required to notify. If you are not required to notify check "Other".

Brush Wellman Inc.
 Name P. R. WILSON, Mgr., Environ. Control Owner, Present
 Owner, Past
 Street SOUTH PORTAGE RIVER ROAD Transporter
 Operator, Present
 City ETMOPE State OH Zip Code 43416 Operator, Past
 Other
 Signature _____ Date _____

ITEM 1

Brush Wellman operated the Luckey Plant for the Atomic Energy Commission from 1949 to 1958. During the period the plant was converted to a beryllium extraction and production plant. Ore containing beryllium was processed to obtain beryllium pebbles. These pebbles were cast into billets which were shipped to other facilities for further processing and machining. Brush Wellman eventually constructed their own plant at the present Elmore, Ohio site. Operations were moved from Luckey to Elmore. When the Luckey Plant was closed, all of the hazardous sludge and contaminated soil located in the Lagoons A, B, C (see attached plot plan) was placed in a landfill located in the northeast corner of the property (area 8.5 acres). The landfill was constructed by building a dike around the area, placing the contaminated material in it and then capping, grading and seeding the landfill. The entire plant is now owned by Goodyear Rubber Company.

The Luckey Plant is located one mile north of the Village of Luckey, Ohio. North of the plant site is the Toussaint Creek. There are two (2) known wells on the plant site as indicated on the plot plan. The area surrounding the plant is basically open farm land except to the south where quarries are located.

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13041
OH, 9
H. B. Fry, Manager, New York Operations Office

June 8, 1954

B. Sparks, Area Manager, Cleveland Area Office

CONTRACT AWARD PROPOSAL - AMENDMENT NO. 31 TO CONTRACT
AT(30-1)-541 WITH THE BRUSH BERYLLIUM COMPANY.

SYMBOL: CAO:JFW

ATTESTION: V. C. DUNCOMBE

A. BACKGROUND

The present term of Contract AT(30-1)-541 expires July 31, 1954. The proposed amendment would extend the term of the contract for a six-month period, i.e., through January 31, 1955.

During the present period, the scope of the work has consisted mainly of the fabrication and research and development activities at Cleveland, and the property disposal and termination activities at Luckey.

The scope of the work during the period covered by this proposal includes the continuation of the fabrication and research work at the Cleveland Plant and the standby maintenance work and sludge recovery operations at the Luckey Plant. The latter was discussed in our memorandum of May 24, 1954, subject, "Request for Amendment to Contract AT(30-1)-541" and has been excluded from the basic figures under consideration in this proposal, since it is not involved in the fee and G&A determination.

B. PROPOSED CONTRACTOR

The basis for the selection of The Brush Beryllium Company as the contractor is the same as that stated in previous proposals of award.

C. DESCRIPTION OF PROPOSED AGREEMENT

The proposed agreement is basically a continuation of the existing cost-plus-fixed-fee contract with The Brush Beryllium Company. The term of the agreement should be extended for six months, or through January 31, 1955. Special provisions, other than extension of the term, are as follows:

1. A fee of \$8,000.00 per month for the six-month period.

A. B. Fry, NY00

June 8, 1954

- 3. General and Administrative expense reimbursement at the rate of \$8,500.00 per month for the six-month period.
- 3. With respect to the standby work at the Luckey Plant, the existing overhead rates pertaining to the various functional categories are to remain the same, with the exception of the property management personnel, which is to be reduced to 25 per cent.
- 4. The distribution of salaries of certain staff personnel, as specified in the present contract, is to be continued on the same basis.
- 5. For processing the Cleveland Plant laundry, Brush is to receive payment at the rate of \$475.00 per month in lieu of reimbursement for the actual cost of laundry services, including shipping and handling charges.

D. FINANCIAL JUSTIFICATION

The projected costs used in arriving at the fee and General and Administrative are summarized below:

Luckey GSA Maintenance	\$ 1,000.00 monthly
Luckey Plant Security	2,250.00 "
Luckey Property Accountability	200.00 "
Cleveland Production Operations	38,900.00 "
	<hr/>
	\$37,350.00 "
G&A	8,500.00 "
	<hr/>
	\$42,850.00 "
Fee (7%)	3,000.00 "
	<hr/>
	\$45,850.00 "

The costs of the Luckey sludge recovery operations are not subject to fee or G&A and have, therefore, been excluded from the above computation.

The G&A is \$8,500.00 monthly, the same as is now being paid. This is based upon the assumption that the projected overall level of activity will be approximately the same as in the present period, because the decline in the level of operations at Luckey will be offset by an increase in Cleveland. This assumption is substantiated by comparison of the projected monthly costs for the present period (\$38,000.00) with those for the proposed period.

The fee of \$3,000.00 per month is calculated as 7% of the total projected costs of \$42,850.00.

H. B. Fry, NYOO

June 8, 1964

B. RECORD OF NEGOTIATION

The negotiation meeting was held on June 4, 1964, with the following persons in attendance:

Brush Beryllium Company

Cleveland Area Office

Bengt Kjellgren
N. W. Bass
R. M. Sandrock

B. Sparks
J. Weissenberg

The first item discussed was the GSA standby maintenance costs at Luckey. Brush proposed \$1,515.00 per month although experience indicates approximately \$250.00. Recognizing that the GSA maintenance workload would be somewhat heavier as a result of the recommendations made by GSA officials after a recent inspection of the plant, we proposed \$750.00. Brush argued that this was equivalent to only one man's time and that the reason for the low costs for this item in recent months was that, during the period of draining out and cleaning up the plant, the men who would ordinarily be employed on GSA work were employed on the clean-up work instead. Furthermore, with the approach of the summer season, the weather will be more favorable for outside work. In view of these points, we agreed to a projection of \$1,000.00 per month for this item.

Brush's projection for Luckey security costs was found to compare favorably with experience and was accepted.

The \$35,900 projection for Cleveland operations is somewhat above our estimate, but is considered reasonable in view of the uncertainty of Cleveland's workload.

Concerning the distribution of salaries of certain staff personnel, it was agreed that this be continued as at present. Experience has shown that the present distribution represents the best possible estimate of actual time spent on our work, with respect to all persons concerned.

It was agreed that Brush be paid, in lieu of actual reimbursement, the amount of \$475.00 per month for processing the Cleveland Plant laundry, including shipping and handling charges.

F. RECOMMENDATION

It is the recommendation of the writer and the panel for negotiations that a definitive amendment, as outlined above, be entered into with The Brush Beryllium Company.

CC: R. L. Kirk, NYOO J. V. Clarke, NYOO
V. J. Del Vecchia, NYOO F. A. Christia, NYOO