TO: FILE

FROM: S. Jones

SUBJECT: Elimination - Brush Beryllium, Elmore

SITE NAME: Brush Beryllium, Elmore

CITY: Elmore, OH

STATE: OH

OWNER(S)
Past: Brush Wellmer
Current: 

Owner contacted □ yes ☑ no; if yes, date contacted ____________

TYPE OF OPERATION
□ Research & Development
□ Production scale testing
□ Pilot Scale
□ Bench Scale Process
□ Theoretical Studies
□ Sample & Analysis
□ Production
□ Disposal/Storage

TYPE OF CONTRACT
☑ Prime
☐ Subcontractor
☐ Purchase Order

Other information (i.e., cost + fixed fee, unit price, time & material, etc)__________

Contract/Purchase Order #: AT(30-) - 5 4 1

CONTRACTING PERIOD: 1954 - 5 5

OWNERSHIP:

<table>
<thead>
<tr>
<th>AEC/MED</th>
<th>AEC/MED</th>
<th>GOVT</th>
<th>GOVT</th>
<th>CONTRACTOR</th>
<th>CONTRACTOR</th>
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<tbody>
<tr>
<td>OWNED</td>
<td>OWNED</td>
<td>LEASED</td>
<td>LEASED</td>
<td>OWNED</td>
<td>OWNED</td>
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<tr>
<td>LANDS</td>
<td>☑</td>
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<td></td>
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<tr>
<td>BUILDINGS</td>
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<tr>
<td>EQUIPMENT</td>
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<tr>
<td>ORE OR RAW MAIL</td>
<td>☑</td>
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<tr>
<td>FINAL PRODUCT</td>
<td>☑</td>
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<td>☑</td>
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</tr>
<tr>
<td>WASTE &amp; RESIDUE</td>
<td>☑</td>
<td>☑</td>
<td>☑</td>
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</tr>
</tbody>
</table>

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
Comment______________________________
生产量________________Fabrication + R&D

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:

Contaminated

YES MAYBE PROBABLY NOT NOT

☐ X

Potential for Exposure (accessible)

☐ X

Comment______________________________
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 Luckey Plant after their move. Berkeley work only.

REFERENCES:

A. Walls 4-2-83

P. D. Wilson to EPA 6-9-83

S. Spackes to H. Key 6-9-54

SUMMARY

Observation 10/1/90

The references provided do not support what the AEC had a contract with Bruce Berkeley at Elam:

☐ The 6/8/54 may refer to the lucky site

☐ The 6/8/54 only discusses the Cleveland and lucky sites
June 8, 1981

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

Dear Sirs:

In accordance with the requirements of Section 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,

[Signature]

P. R. Wilson, Manager
Environmental Control

bc: G. S. Blome
    M. B. Powers
**EPA Notification of Hazardous Waste Site**

**Person Required to Notify:**

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

**Site Location:**
- Enter the common name (if known) and actual location of the site.

**Person to Contact:**
- Name: BRUSH WELLMAN INC. LUCKEY PLANT
- Street: LUCKEY ROAD
- City: LUCKEY
- County: WOOD
- State: OHIO
- Zip Code: 44110
- Name (for office and phone): WILSON, PHIL., MGR. ENVIRONMENTAL CONTROL DEPT.
- Phone: 419/862-2745

**Dates of Waste Handling:**
- Enter the years that you estimate waste treatment, storage, or disposal began and ended at the site.
- From: 1949
- To: 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.

<table>
<thead>
<tr>
<th>General Type of Waste</th>
<th>Source of Waste</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Organics</td>
<td>1. Mining</td>
</tr>
<tr>
<td>2. Inorganics</td>
<td>2. Construction</td>
</tr>
<tr>
<td>3. Solvents</td>
<td>3. Textiles</td>
</tr>
<tr>
<td>4. Pesticides</td>
<td>4. Fertilizer</td>
</tr>
<tr>
<td>5. Heavy Metals</td>
<td>5. Paper/Printing</td>
</tr>
<tr>
<td>8. PCBs</td>
<td>8. Chemical, General</td>
</tr>
<tr>
<td>10. Unknown</td>
<td>10. Military/Ammunition</td>
</tr>
<tr>
<td>11. Other (Specify)</td>
<td>11. Electrical Conductors</td>
</tr>
<tr>
<td>12. Transformers</td>
<td>12. Other Transformers</td>
</tr>
<tr>
<td>15. Photoluminescent</td>
<td>16. Lab Hospital</td>
</tr>
<tr>
<td>17. Industrial</td>
<td>18. Other (Specify)</td>
</tr>
</tbody>
</table>

**Option 2:** This option is available to persons familiar with the Resource Conservation and Recovery Act (RCRA) Section 3001 regulations (40 CFR Part 251).

**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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>D008</td>
<td>P015</td>
</tr>
</tbody>
</table>

**From Approved:**
- DA No. 200100 10 15
Notification of Hazardous Waste Site

<table>
<thead>
<tr>
<th>Waste Quantity</th>
<th>Facility Type</th>
<th>Total Facility Waste Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Place an X in the appropriate boxes to indicate the facility types found at the site</strong>:</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>In the &quot;total facility waste amount&quot; space, give the estimated combined quantity (volume) of hazardous wastes at the site using cubic feet or gallons</strong>:</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>In the &quot;total facility area&quot; space, give the estimated area size which the facilities occupy using square feet or acres</strong>:</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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**:

**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 other bodies of water. 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**

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**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 (different than address on Item A). For each person 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 others, check "Other."**

**Brush Wellman Inc.**

---

**P. R. WILSON, Mar., Environ. Control**

From: **SOUTH PORTAGE RIVER ROAD**

For: **EMCF**

**Brush OH 20 Code 43416**

**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 farmland except to the south where quarries are located.
H. B. Fry, Manager, New York Operations Office  
June 3, 1954

B. Sparks, Area Manager, Cleveland Area Office

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

SYMBOL: CAO:JFW

ATTENTION: 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 26, 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.
3. General and Administrative expense reimbursement at the rate of $8,500.00 per month for the six-month period.

4. 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.

5. The distribution of salaries of certain staff personnel, as specified in the present contract, is to be continued on the same basis.

6. 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 $500.00 "
- Cleveland Production Operations $33,800.00 "
- G&A $3,500.00 "
- Fee (7%) $42,850.00 "
- Total $45,000.00

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 $6,500.00 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 $8,000.00 per month is calculated as 7% of the total projected costs of $42,850.00.
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
Benj Kjellgren
N. W. Bass
R. M. Sandrock

Cleveland Area Office
B. Sparks
J. Weissmann

The first item discussed was the GSA standby maintenance costs at Luckey. Brush proposed $1,615.00 per month although experience indicates approximately $220.00. 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 lower 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 $1,500.00 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 $175.00 per month for processing the Cleveland Plant ledger, including shipping and handling charges.

F. RECOMMENDATION

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

S. R. Kirby, NYOO
J. G. Clarke, NYOO
V. V. Del Vecchio, NYOO
Y. A. Crosta, NYOO