

PA.34-1

# memorandum

1.21.1  
PA.34  
FUSRAP 740

DATE:

APR 24 1991

REPLY TO:  
ATTN OF:

EM-421

SUBJECT:

Elimination of the Landis Machine Company site

TO:

The File

I have reviewed the attached site summary and elimination recommendation for the Landis Machine Company site in Waynesboro, Pennsylvania. I have determined that there is little likelihood of radioactive contamination at this site.

Based on the above, the Landis Machine Company site is hereby eliminated from further consideration under the Formerly Utilized Sites Remedial Action Program.



W. Alexander Williams, PhD  
Designation and Certification Manager  
Off-Site Branch  
Division of Eastern Area Programs  
Office of Environmental Restoration

Attachment

bcc:  
Weston  
EM-40 (3)  
EM-42 (2)  
Williams reader

*JA*

EM-421:AWilliams:jh:353-8149:4/22/91:elim.waw

*WA*  
EM-421  
Williams  
4/27/91  
*W*  
EM-421  
Wagoner  
4/23/91

MEMORANDUM

TO: FILE PA.34

DATE 3/21/71

FROM: Ed Mitchell SM

SUBJECT: FUSRAP Considered Site Recommendation

SITE NAME: Landis Machine Company

ALTERNATE NAME: Teledyne Landis Mac  
(present name)

CITY: Weynesboro

STATE: PA

OWNER(S)

Past: self Current: Teledyne  
Owner contacted  yes  no; if yes, date contacted 3/21/71

TYPE OF OPERATION

- Research & Development
- Facility Type
- Production scale testing
- Manufacturing of Machining E,
- Pilot Scale
- University
- Bench Scale Process
- Research Organization
- Theoretical Studies
- Government Sponsored Facili
- Sample & Analysis
- Other
- 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 # Unknown -- fast machining

CONTRACTING PERIOD: September 1952

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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FINAL PRODUCT	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
WASTE & RESIDUE	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

\* Most likely the government also received the waste/residue since they were aware of concerns but that NL performed health and safety measurements

Control

- AEC/MED managed operations
- AEC/MED responsible for accountability most likely
- AEC/MED overviewed operations
- Contractor had total control
- unknown

- Health Physics Protection
  - Little or None
  - AEC/MED responsibility
  - Contractor responsibility

*Exercise concern by performing (National level) health and safety surveys for airborne alpha radioactivity*

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 Uranium slugs

Quantities (on the basis of records reviewed)

- None
- Production Quantities
- Small Amounts

Comment test quantity of uranium slugs to be cold formed to specific dimensions -- using centerless grinding, for

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)	---	---	✓	---

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 \_\_\_\_\_

- REFERENCES:
1. National Lead Health & Safety reports for 9/18/52 and 9/19/52 on airborne radioactivity at Landis Machine in Waynesboro, PA
  2. Tolson with G. Eigenbord, Landis Machine, 3/2/91 (see OTS Not of 4/10/91)
  3. Visit to Landis Machine in Waynesboro. OTS Note from Mitchell to Williams 1/2/91
  4. Waynesboro area map and write up of Landis Machine and Landis Tool

SUMMARY

National Lead Health and Safety survey indicates that measurements were made at Landis in conjunction with the machining of uranium slugs. The survey states that there were four test runs involving cold forming of uranium metal to specified dimensions. It was not successful, so no further work was done. The relatively small amount of non-production work performed and circle of care for health & safety indicate that it is unlikely for any significant radioactivity to be present today.