



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION I  
631 PARK AVENUE  
KING OF PRUSSIA, PENNSYLVANIA 19406

*A. J. Sussman*

EAD file

November 7, 1984

Karim Rimawi, Ph.D., Director  
Bureau of Environmental Radiation  
Protection  
New York State Department of Health  
Empire State Plaza, Corning Tower  
Albany, New York 12237

Dear Dr. Rimawi:

This is in further response to your September 13, 1984 request for technical assistance and our discussion on October 2, 1984. I have listed below several documents which provide information about the stabilization of LLW and U-mill tailings disposal facilities. These documents may be of assistance in your efforts to evaluate stabilization of the Tonawanda landfill. Under separate cover, I am sending you a copy of each one.

1. NUREG/CR-3144 "Trench Design and Construction Techniques for Low-Level Radioactive Waste Disposal Facilities."
2. NUREG/CR-2471 - Vols. 1&2 "A Study of Trench Covers to Minimize Infiltration at Waste Disposal Sites."
3. NUREG/CR-3356 "Geotechnical Quality Control: Low-Level Radioactive Waste and Uranium Milling Tailings Disposal Facilities."
4. NUREG-3397 - Design Considerations for Long-Term Stabilization of Uranium Mill Tailings Improvements.
5. Draft Regulatory Guide - "Design of Long-term Erosion-Protection Covers for Reclamation of Uranium Mill Sites." (Please see handwritten note on first page.)
6. NUREG/CR-3027 - "Overload Erosion of Uranium Mill Tailings Improvements: Physical Processes and Computational Methods."
7. UMTRA-DOE/AL-140 - "Remedial Action Plan for Stabilization of the Inactive Uranium Mill Tailings Site at Canonsburg, Pennsylvania."

If I may be of further assistance, please call me at (215) 337-5246.

Sincerely,

*Paul H. Lohaus*

Paul H. Lohaus  
State Liaison Officer

8506180343 850417  
PDR FOIA  
WELDON85-210 PDR

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Sincerely,

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State Liaison Officer



STATE OF NEW YORK  
DEPARTMENT OF LABOR  
Division of Safety and Health  
TWO WORLD TRADE CENTER  
NEW YORK, N.Y. 10047

November 15, 1984

TO: EAD Task Force  
FROM: Francis J. Bradley, Ph.D.  
RE: Possible Return of EAD material from Mexico to U.S.

We were alerted by the U.S.NRC that present owners of EAD plant and equipment in Monterey, Mexico want to return the EAD material back to U.S. To preclude them shipping the material to Tonawanda, New York, we have amended EAD license effective November 14, 1984.

*FJB*  
Francis J. Bradley, Ph.D.  
Principal Radiophysicist

FJB:arp  
Attachment: Amendment No. 10 to EAD License

*Paul Tolians,*

*Please keep us posted as to what happens to this material. Also we would like a copy of letter requesting transfer of Bradley*  
*11-19-84*

*A/S*



STATE OF NEW YORK  
DEPARTMENT OF LABOR  
Division of Safety and Health  
TWO WORLD TRADE CENTER  
NEW YORK, N.Y. 10047

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

November 14, 1984

EAD Metallurgical, Inc.  
c/o Offerman, Fallon, Mahoney & Cassano  
1776 Statler Towers  
Buffalo, New York 14202

Address Reply to:  
Radiological Health Unit

Refer to:  
Radioactive Materials License  
No. 2149-2274

Attention: Leo J. Fallon, Esq.

Reference No. 1

Amendment No. 10

DOSH Application No. CR 38

Gentlemen:

Installation No. L 2274  
\*EAD Metallurgical, Inc.

Enclosed herewith is an Amendment to State of New York Radioactive Materials License authorizing your \*firm to possess and use radioactive materials licensed therein pursuant to the State of New York Industrial Code Rule No. 38, "Ionizing Radiation Protection" (12 NYCPR 38), effective July 10, 1978.

IMPORTANT: This letter shall be retained with this License

Your attention is directed to Section 38.7 entitled "Security". The bonding document filed with us was properly executed, conditioned in the License, and accordingly, your firm has fulfilled the requirements of this Section. This Bond shall be in effect during the entire period of your License. Any changes that may affect the validity of this Bond must be brought to our attention immediately. Pursuant to Section 38.11 entitled "Duration of Licenses", in addition to filing a letter (application) more than 30 days prior to the expiration date of your License for a renewal of the License, your firm must maintain the Bond in effect, unless a waiver pursuant to Subdivision (c) is approved.

Please contact us directly if you have any questions, or if we may be of further assistance to you concerning this matter.

Very truly yours,

Joseph F. Drayton  
Director

*F. J. Bradley*  
By: Francis J. Bradley, Ph.D.  
Principal Radiophysicist

FJB:arp  
Enclosure

STATE OF NEW YORK  
RADIOACTIVE MATERIALS LICENSE  
AMENDMENT

Page 1 of 1 Pages

Pursuant to the Labor Law and Industrial Code Rule No. 38, and in reliance on statements and representations heretofore made by the licensee designated below, a license is hereby issued authorizing such licensee to transfer, receive, possess and use the radioactive material(s) designated below; and to use such radioactive materials for the purpose(s) and at the place(s) designated below. This license is subject to all applicable rules, regulations, and orders now or hereafter in effect of all appropriate regulatory agencies and to any conditions specified below.

Licensee		3. License Number	
1. Name	EAD Metallurgical, Inc.	2149-2274	
2. Address	71 Pearce Avenue Tonawanda, New York 14150	4. Expiration Date March 31, 1985	
		5a. Reference No.	b. Amendment No.
		1	10
6. Radioactive materials (element and mass number)	7. Chemical and/or physical form	8. Maximum quantity licensee may possess at any one time	
A. Americium 241	A. Any (As contamination, presently on-site)	A. 500 millicuries (As contamination presently on-site)	

CONDITIONS

9. Authorized use (As itemized): In accordance with CR 38 dated ---  
Radioactive Materials License No. 2149-2274 Reference No. 1 is hereby amended as follows:

- Condition 8.A. Maximum quantity licensee may possess at any one time decreased.
- Condition 9.6.A. Changed to read:  
  
Licensee is authorized to possess, transfer and use licensed material incidental to the decommissioning of the Installation only.
- Condition 11. Changed to read:  
  
Licensed materials shall be used by, or under the supervision of, Martin Haas, Ph.D. (Radiation Safety Officer).
- Condition 19.H. Documents added:  
  
His letters dated May 31, 1984 and August 27, 1984, signed by Terrence M. Connors, attorney for EAD Metallurgical, Inc.

FOR THE NEW YORK STATE DEPARTMENT OF LABOR

by

*Francis J. Bradley*  
Francis J. Bradley, Principal Radiophysicist  
For: Joseph E. ...

Date November 14, 1984

FJB:arp  
LN - 274 (12-66)