

TA 48

Los Alamos Environmental Restoration Records Processing Facility



ER Record I.D.# 0000791

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ENVIRONMENTAL RESTORATION PROGRAM  
Records Processing Facility  
ER Records Index Form  
(Olds 1 of 2)

DATE RECEIVED: 5/15/91 PROCESSOR: TR

Part I: Complete all fields; indicate NA (Not Applicable) if appropriate. Please write legibly.

DOCUMENT TO: Rick Lotspeich DOCUMENT DATE: 5-16-88

ORIGINATOR NAME: G. W. Eford ORGANIZATION: INCI

SYMBOL: INCI-88-271 PAGE COUNT: 3

SUBJECT/TITLE: Estimates on Waste Generated from  
TA-48

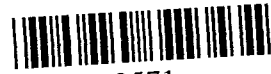
RECORD TYPE (Circle relevant type):

- |                  |           |                |                        |           |
|------------------|-----------|----------------|------------------------|-----------|
| Analytical Data  | Figure    | Microform      | Purchase Request       | Video     |
| Chain-of-Custody | Interview | Notebook       | Receipt Acknowledgment | Work Plan |
| Computer Output  | Letter    | Personal Notes | Report                 |           |
| Contract         | Logbook   | Photo          | Study                  |           |
| Drawing          | Map       | Plan           | Telephone Record       |           |
| FAX              | (Memo)    | Procedure      | Transcription          |           |

RECORD CATEGORY: 4A P RECORD PACKAGE # 4A

Part II: Complete all fields; indicate NA (Not Applicable) if appropriate. Please write legibly.

TECH AREA(S)	SWIND NO(S)	ADS NO(S)	STRUCTURE NO(S)
LIST RELEVANT TECH AREA(S) HERE 48,	LIST RELEVANT SWIND NO(S) HERE 417	LIST RELEVANT ADS NO(S) HERE 1129,	LIST RELEVANT STRUCTURE NO(S) HERE 4A



# Los Alamos

Los Alamos National Laboratory  
Los Alamos, New Mexico 87545

## memorandum

*Efurd*  
*04-0055*

TO: Rick Lotspeich, A-4, MS-F6111  
DATE: May 16, 1988

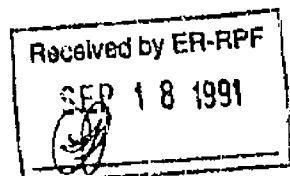
FROM: W. R. Daniels, INC-11, MS-J514 *W.R.D.*  
B. M. Crowe, INC-7, MS-J514 *B.M.C.*  
MAIL STOP TELEPHONE: J514 7-2437

*D.W.E.*  
FROM: D. W. Efurd, INC-11  
SYMBOL: INC11-88-271

SUBJECT: ESTIMATES ON WASTE GENERATED FROM TA-48

In response to your memo dated April 1, 1988 we are providing the following information:

1. There are approximately 34 dumpster loads of cardboard boxes containing compactable low level solid radioactive waste produced at TA-48 annually. This is  $\approx 4000 \text{ Ft}^3$  before compaction.
2. There are approximately 12 dumpster loads of cardboard boxes containing non-compactable low level solid radioactive waste produced annually at TA-48. Hot cell operations produce an additional 30 barrels of non-compactable solid radioactive waste annually. These 30 gallon barrels are packaged and transported to the Lab's burial site by INC personnel. Periodic cleanups at TA-48 produce another  $1000 \text{ Ft}^3$  of non-compactable solid radioactive waste annually. This material is loaded on trucks and transported to the burial site.
3. The settling tank in the Core Processing Facility is no longer used. This facility currently produces less than 10 pounds of sludge annually. This sludge is deposited directly into the RLW line and is transported to the treatment plant.
4. During the past 6 years we have filled one 30 gallon drum with solid transuranic waste.
5. Chemical waste in the form of bottles, jars, ect. is included in the estimates for items 1 and 2.
6. We cannot estimate the number of gallons of liquid that are transported via the RLW line to the main liquid treatment plant. The sensors in the RLW line at TA-48 do not record volume.
  - 6(a). Approximately 100 gallons of acids per year are placed in the RLW line at TA-48.
  - 6(b). Approximately 10 gallons of bases per year are placed in the RLW line at TA-48.
  - 6(c). The radionuclides produced from  $\approx 1.5 \times 10^{17}$  fission are placed in the RLW line by TA-48 yearly. The average age of this debris is 2-4 weeks. An additional 200-400 mR of spallation and activation products are discarded annually via the RLW line.



Rick Lotspeich, A-4, MS-F6111  
INC11-88-271

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May 15, 1988

6(d). Milligram quantities of transuranics are transported to the treatment plant annually via the RLW line.

These figures represent a typical year at TA-48. We disposed of anomalously large quantities of waste at TA-48 from January 1, 1988 thru May 1, 1988. This was a major cleanup of the site.

7. The remote INC-11 sites do not generate a significant quantity of waste.

DWE:sd

Attachment, Memo: R. Lotspeich to D. W. Eford

cy: D. W. Barr, INC-DO, MS-J515  
A. J. Gancarz, INC-DO, MS-J515  
G. F. Grisham, INC-11, MS-J514  
D. C. Moody, INC-11, MS-J514  
D. B. Curtis, INC-7, MS-J514  
R. A. Schmidt, HSE-3, MS-G754  
INC-11 File