

ER ID# 2745

Los Alamos
NATIONAL LABORATORY
memorandum

Chemical Science and Technology
Responsible Chemistry for America
Environmental Restoration Project/CST-7
Los Alamos, New Mexico 87545

To/MS: Jane Jones, EM/ER , MS M992
From/MS: William C. Francis, CST-18, MS M992 *W.C.F.*
Phone/FAX: 665-6080/667-5801
Symbol: EM/ER-RAFA: 99-008
Date: February 16, 1999

SUBJECT: FUEL TANK FOR THE DP LAUNDRY BUILDING (TA-21-20) STEAM BOILER

The DP Laundry, building TA-21-20, was constructed in 1945 by the Robert E. McKee Construction Company. At the same time a steel fuel tank, TA-21-47, for the boiler was installed. This fuel tank was located 30'- 0" south of the centerline of DP Road and 60' - 0" west of the northwest corner of the laundry building. The tank was 11' - 0" in diameter, 17' - 0" high and had a capacity of 12,800 gallons. It was set on a reinforced concrete slab 9" thick and 10' - 10" in diameter. Diesel oil was used as fuel for the boiler. See LASL drawing Eng. - C2319.

In 1948 a reinforced concrete wall was built around the tank by the Zia Company. The purpose of the wall was to contain the diesel oil in case the tank leaked or ruptured. See LASL drawing A 5-C161.

I checked with retired Zia Warehouse supervisor Gerald Huber. Mr. Huber was in charge of the storage, dispatching and record keeping of all fuels and lubricants for the Zia Company. Mr. Huber told me that he doesn't remember ever servicing fuel tank TA-21-47.

Because the DP laundry was tied into the overhead steam line and condensate return line from the DP Steam Plant, that serviced both DP West and DP East, there was no need to operate the boiler in the laundry building. It is very probable that, with the exception of checking it out and test running it, the boiler for the DP laundry was never used.

I started working for the Zia Company in July of 1947 and was in charge of constructing the concrete retaining wall around the diesel storage tank, TA-21-47, in 1948. I am very familiar with the area on which the DP laundry and the fuel tank were located. I do not remember any major excavation taking place in this area.

WCF/th

Cy: G. McMath, CST-7, MS M992



ENVIRONMENTAL
RESTORATION
PROGRAM

Los Alamos Environmental Restoration
Records Processing Facility



ER Record I.D.# 0011941

SEPTEMBER 1989

RELEASE SITE DATABASE
TASK 9
TA-21 (DP SITE)

LOS ALAMOS NATIONAL LABORATORY
LOS ALAMOS, NEW MEXICO

PREPARED BY :
ENVIRONMENTAL SCIENCE GROUP, EES-15

PRELIMINARY DRAFT



Los Alamos

This is a preprint of a paper intended for publication in a journal or proceedings. Because changes may be made before publication, this preprint is made available with the understanding that it will not be cited or reproduced without the permission of the author.

1. Project Name : ER PROGRAM
2. Installation : LOS ALAMOS NATIONAL LABORATORY
3. Site Name : Not identified
4. Task Number : AL-LA-009
5. Phase 1 Heading : TA21-10-ST-A/I-RW/HW/PP (Storage tanks)
6. Release Site Descriptor : TA-21-07-005-0047
7. Installation Identifier : TA-21-10e
8. Alternative Identifier : SWMU # 21-XXX
9. Site Description :
12,788 fuel tank associated with pump house 43.
10. Site Location:
Coordinate system and units : LANL COORDINATE SYSTEM/FEET
The site has not been surveyed; coordinates are estimated from available maps and drawings
North coordinate : 92+50
East coordinate : 142+50
Elevation : Not identified
11. Program Phase : RI Scoping
12. Program Phase Rationale :
Phase I activities indicate that the site should be investigated further as part of RI Scoping
13. Current Operational Status : Not Operational
Current Owner/Operating Group : Not identified
14. Site Type : Tank
15. Potential Pathways : Not identified

16. Generic Waste Type : UNKNOWN

17. EPA Waste Characteristics : Not identified

18. EPA Waste Types : Not identified

19. Contaminants of Concern:

Name of contaminant	Data Quality	Index Type	Index Number	Reference
CONTAMINANTS ARE UNKNOWN		ERP	?	R

20. Waste Quantities : Not identified

21. Chronological Events:

Description	Date	Reference
•Tank 47 was installed	07/45	R03r
•Tank 47 removed	1960	R03r

22. Comments:

CEARP Phase I description (R01r):

"Building 33 apparently had one drain that went directly to the north rim of Los Alamos Canyon. This drainline comes from Tank 47, not building 33, shown on ENG-R 1191."

ER Program site visit, 04/04/89, uncovered no physical evidence of this site. ENG-R2449, states that this was a fuel tank and not a water tank.

The SWMU Report (R02r) states that it is unknown whether this tank leaked. "Additional information will be obtained during supplemental Phase I."

23. Information Resources

Engineering Drawings

• Reference R01e

Title : ENG-R1191

Author : LANL

Date : 08/22/58

Location: TA-21 archives and files, TA-51 West, LANL, Los Alamos, NM

- Reference R02e
Title : A5-C142
Author : LANL
Date : 07/02/48
Location: TA-21 archives and files, TA-51 West, LANL, Los Alamos, NM

Photographs

- Reference R01p
Title : ER Program site photograph; pg. 85, Book A-5515
Author : LANL
Date : 04/04/89
Location: TA-21 archives and files, TA-51 West, LANL, Los Alamos, NM

Reports

- Reference R01r
Title : CEARP Phase I
Author : DOE
Date : 10/87
Location: TA-21 archives and files, TA-51 West, LANL, Los Alamos, NM
- Reference R02r
Title : SWMU Report, Volume III
Author : IT Corporation
Date : 12/88
Location: TA-21 archives and files, TA-51 West, LANL, Los Alamos, NM
- Reference R03r
Title : Laboratory/Pan-Am History Books
Author : LANL
Date :
Location: ENG-7, TA-3, Bldg. 410, Rm. 102c, Betty Lea

Site Visits

- Reference R01s
Title : ER Program site visit
Author : LANL
Date : 04/04/89
Location: