

71281

10

**Los Alamos**  
NATIONAL LABORATORY

**memorandum**

*Environmental Science and  
Waste Technology*

Environmental Restoration Project  
Los Alamos, New Mexico 87545

To/MS: John Hopkins, E/ER, MS M992  
From/MS: William C. Francis, E/ER, MS M992  
Phone/FAX: 667-6080/667-5801  
Symbol: ER2001-0722 ✓  
Date: August 28, 2001

*W.C.F.*

PROJECT INFORMATION

**SUBJECT: INFORMATION ON VARIOUS SEPTIC TANKS AT TA-21**

SWMU 21-024(a), septic tank, TA-21-53, serviced the original steam plant, TA-21-9. The tank is constructed of reinforced concrete. It is 5'9" wide, 9'0" long and 7'3" deep. The inlet is 6" VCP and the outlet is 4" VCP. See attached drawings Eng-C2213, Eng-C2214 and Eng-C2337 for location and construction details.

SWMU 21-024(b), septic tank, TA-21-55, serviced buildings TA-21-4 and TA-21-5 via building TA-21-17. Building TA-21-17 was removed in 1969. The septic tank is constructed of reinforced concrete and has the same dimensions as septic tank TA-21-53 above. Septic tank TA-21-55 has a 6" VCP inlet and a 4" VCP outlet. See attached drawings Eng-C2213, Eng-C2214 and Eng-C2337 for location and construction details.

SWMU 21-024(d), septic tank TA-21-106 serviced the original TA-21 administration building, TA-21-1. This septic tank is located south of the original building, TA-21-1, and south of the perimeter fence. It is located on drawings Eng-C2213 and Eng-C2237. Eng-C2214 has the construction details. TA-21-106 is constructed of reinforced concrete and it is 17'6" long x 9'6" wide x 8'10" deep. The inlet is 6" VCP and the outlet is 6" VCP. TA-21-1 has been replaced by the present administration building TA-21-210.

SWMU 21-024(e), septic tank TA-21-123 serviced the now removed DP laundry building, TA-21-20. It is located southeast of removed building TA-21-20 and directly south of existing buildings TA-21-14 and TA-21-46. The location of this septic tank is shown on drawings Eng-C2213 and Eng-C2337 and Eng-R1193, sheet 5 of 8. This tank is constructed of reinforced concrete and its dimensions are 11'4" x 6'4" x 8'8" deep. Volume II, TA-21 Operable Unit RFI Work Plan for Environmental Restoration, pages 15-38, states that septic tank, TA-21-123, is a 1,000 gallon steel tank whose dimensions are 6'4" by 11'4" with a 6" VCP influent line and effluent lines. I have not been able to find any mention of a steel tank in my research. Since all of these original septic tanks that I have checked to date were constructed at the same time by the same contractor it seems reasonable that they were constructed according to these original drawings.

SWMU 21-024(j), septic tank TA-21-194, is located southwest of building TA-21-155. In 1966 the top of this tank was removed and the inlet and outlet were connected through the inside of the tank with extra heavy cast iron pipe. The tank was back filled



10918

OCT 25 2001  
*[Signature]*

and abandoned. The outlet that ran to the north rim of Los Alamos Canyon was connected to the new 8" VCP sewer main that runs to the new sewer disposal plant that was constructed in 1966. This septic tank serviced building TA-21-155. The 4" VCP lateral from building TA-21-155 will have to be routed around septic tank TA-21-194 before the tank can be removed or service to building TA-21-155 will be disrupted. Sealing the sewer profile on drawing Eng-C31540 shows the tank to be about 6'0" long and about 3'3" deep. I have no way to determine the width. I have not been able to determine when septic tank TA-21-194 was installed. The TA-21 Operable Unit RFI Work Plan for Environmental Restoration, pages 15-83, states that the tank is constructed of reinforced concrete and was constructed in 1961. It also states that the tank is 5'0" long by 3'0" wide and 6'0" deep.

SWMU 21-024(k), septic tank TA-21-219. This septic tank was constructed in 1964 and was part of the contract to build TA-21-209. It was abandoned in 1966 and its influent line was connected to the new 8" collector main that ran to the new sewage disposal plant. It is constructed of reinforced concrete and is 18'6" long, 6'4" wide and 8'10" deep. This tank has a leach field. See drawing Eng-C31964 for location and construction details. It serviced buildings TA-21-152 and TA-21-209. 31984

SWMU 21-024(n) is a drain that exits building TA-21-155 and discharges to the north of the building into DP Canyon. There is no septic tank connected to this drain.

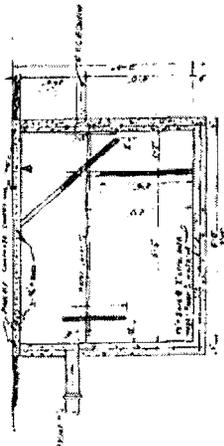
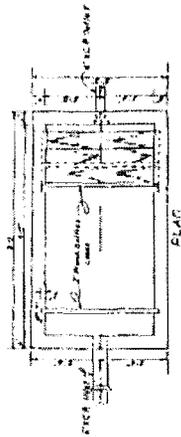
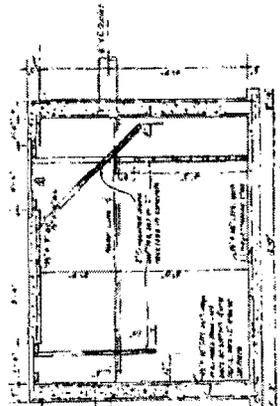
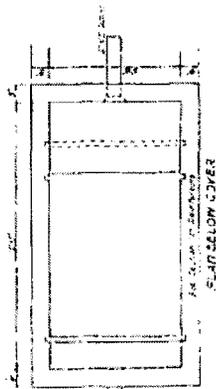
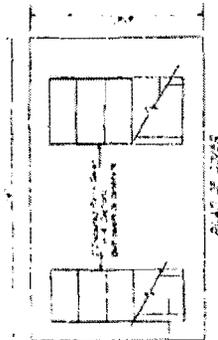
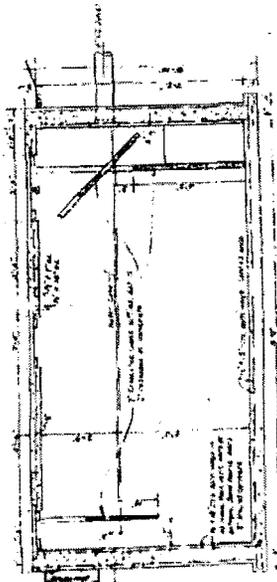
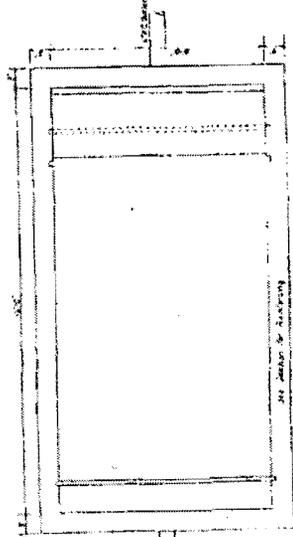
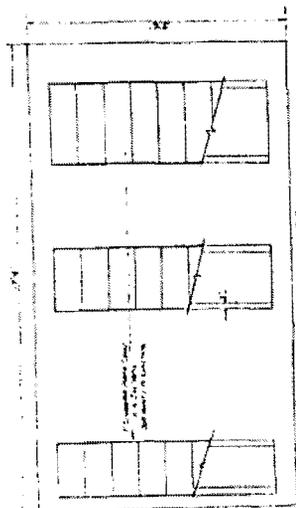
SWMU 21-024(o) is a drain line that may have served the old TA-21 emergency diesel plant, TA-21-46. It is a 4" VCP that discharged into Los Alamos Canyon. There is no septic tank connected to this drain.

SWMU 21-027(a) is a sampling area that involves a storm or yard drain that was located at the southwest corner of TA-21-3 (demolished in 1993). This yard drain discharged into Los Alamos Canyon via culverts and surface depressions. There was no septic tank connected to this drainage system.

SWMU 21-027(c) was a drain line from the southwest corner of building TA-21-6. This line terminated near the south edge of the mesa and drained into the Los Alamos Canyon. Building TA-21-6 was removed in 1966. There was no septic tank connected to this drain line.

WF/nr

cc: (w/enc)  
RPF, MS M707  
RAFA File



SECTION OF COVER  
FLAP BELOW COVER

NOTES:  
1. ALL DIMENSIONS ARE IN FEET AND INCHES.  
2. ALL DIMENSIONS ARE TO CENTER UNLESS OTHERWISE SPECIFIED.  
3. ALL DIMENSIONS ARE TO CENTER UNLESS OTHERWISE SPECIFIED.

DATE	1954
BY	W. J. ...
FOR	SEPTIC TANKS
PROJECT	TOP SITE CONSTRUCTION
CLIENT	U.S. ENGINEER OFFICE
ADDRESS	SAINT PAUL, D. C.
SCALE	1" = 1'-0"
SHEET NO.	U 6

U.S. ENGINEER OFFICE  
SAINT PAUL, D. C.  
2214