Analysis Number	LSC (pCi/g)	GPC (pCi/g)	GPC (pCi/g)	Gamma Spectroscopy (pCi/g)			
1687	н-э	Alpha	Beta	Cr-51	Co-57	Co-60	Cs-137
B-0 Background	< MDA	< MDA	< MDA	< MDA	< MDA	< MDA	< MDA
B-1 Tank 1	ND	30 ± 5	300 ± 30	200 ± 5%	3 ± 4%	0.1 ± 9%	0.2 ± 10%
B-2 Tank 2	ND	< MDA	< MDA	< MDA	< MDA	0.1 ± 15%	0.3 ± 13%
B-3 Tank 3	ND	< MDA	< MDA	< MDA	< MDA	0.1 ± 8%	0.2 ± 8%

ENCLOSURE 5 ANALYSIS OF WRAMC UNDERGROUND TANKS ANL 1687

 $MDA_{LSC} = 5 pCi/g$

102

 $MDA_{GPC\alpha} = 0.3 \text{ pCi/g}$ $MDA_{GPC\beta} = 0.5 \text{ pCi/g}$

 $Co-60 MDA_{\lambda Spec} = 0.09 pCi/g$

 $\mathbf{\tilde{\mathbf{N}}}$

ND = Not Detected

MDA = Minimum Detectable Activity



ENCLOSURE 2, CANBERRA GAMMA SPECTROSCOPY SYSTEM RESULTS RESULTS OF WRAMC UNDERGROUND TANKS

1. The sludge samples were transferred to a 0.5 liter Marinelli beaker and counted for 12 hours on the Canberra Gamma Spectroscopy Systems.

2. The results of the samples and the MDA determined by the Sampo 90 software package are given below:

	ANL #	DESCRIPTION	Cr-51 ACTIVITY (pCi/g)	Co-57 ACTIVITY (pCi/g)	Co-60 ACTIVITY (pCi/g)	Cs-137 ACTIVITY (pCi/g)
	1687-B-1	WRAMC Tank 1	200 ± 5%	3 ± 4%	0.1 ± 9%	0.2 ± 10%
	1687-B-2	WRAMC Tank 2	< MDA	< MDA	0.1 ± 15%	0.3 ± 13%
- Salar	1687-B-3	WRAMC Tank 3	< MDA	< MDA	0.1 ± 8%	0.2 ± 8%
		MDA	0.9	0.1	0.09	0.09

RESULTS OF THE MIXED GAMMA SURVEY - CANBERRA

· NBC Rug Guild 1500 NUREC-1500, 199 External Exposin mendan 4.98 mR/1000 pm 1 pCi/g Co 7.56 × 10 mR/1000/2 Cc 1.17 × 10 mK/1002 Cc 1.28 X10 mR/1000 m

Encl. 2^{λ}

Jom Sons Howend Beth 295-7433 Ph (410) 324-5836

http://chppm-www.apgea.army.m.1/ 1ehp/battleboot/nbc.html

DRAFT

ANALYSIS OF WRAMC UNDERGROUND TANKS

ANL 1687

PROJECT DEVELOPMENT AND RADIATION RESERCH OFFICE

USATA, AMCOM

Analysis Number	LSC (pCi/L)	GPC (pCi/L)	Gamma Spectroscopy (pCi/L)		
	H-3	Beta other than H-3	Co-57	Cr-51	K-40
T-0-1	< MDA	< MDA	< MDA	< MDA	< MDA
T-1-1	14,600	< MDA	< MDA	< MDA	< MDA
T-1-2	15,000	< MDA	< MDA	< MDA	< MDA
T-2-1	24,700	< MDA	< MDA	< MDA	< MDA
T-2-2	25,800	< MDA	< MDA	< MDA	< MDA
T-3-1	211,000	1,730	< MDA	3,370	< MDA
T-3-2	297,000	5,160	20	1,470	110

 $MDA_{LSC} = 343 \text{ pCi/L}$

to Sanitary Sewer

DRAFT

10 mil 10 pic 10 ml mil Julie 10 ml 5 X 10 3 × 10 2×10 pr6 - .02 2×10 10 pli uli