



DEPARTMENT OF THE ARMY
TWIN CITIES ARMY AMMUNITION PLANT
NEW BRIGHTON, MINNESOTA 55112-5000

October 18, 1985

REPLY TO
ATTENTION OF:

SMCTC-EN

SUBJECT: Results of Analyzing Sludge Samples from Twin Cities Army
Ammunition Plant

Minnesota Mining & Manufacturing Co.
ATTN: Mr. J.W. Johnson
Building 590
Twin Cities Army Ammunition Plant
New Brighton, MN 55112-5796

Dear Sir:

Reference letter, HQ US AEHA, HSHB-RH, 9 Oct 85, SAB.

Referenced letter is forwarded for your information.

The Point of Contact is Clarence Oster, 633-2301, extension 662.

Sincerely,

SIGNED

Theodore E. Schulte
Commander's Representative

Enclosure

OCT 23 1985



DEPARTMENT OF THE ARMY
U. S. ARMY ENVIRONMENTAL HYGIENE AGENCY
ABERDEEN PROVING GROUND, MARYLAND 21010-6422

REPLY TO
ATTENTION OF

HSHB-RH

9 OCT 1985

SUBJECT: Results of Analyzing Sludge Samples from Twin Cities Army Ammunition Plant

Commander
Twin Cities Army Ammunition Plant
ATTN: TCAAP-EN
New Brighton, MN 55112-5100

1. FONECON between Ms. Nancy Metger, FCC-TCAPP, New Brighton, MN, and Mr. Edge, this Agency, 30 Sep 85, SAB.
2. Sludge samples were collected on 13 August 1985 by FCC-TCAAP personnel. Results of analyzing sludge samples for gamma-emitting radionuclides are listed in enclosure.
3. All samples were originally counted for 100 minutes. Samples MH #V19 and MH #B7 were recounted for 200 minutes.

Encl

for *Arthur B. Whitlaw, LTC, MS*
JOSEPH T. WHITLAW, JR.
Colonel, MS
Director, Radiation and
Environmental Sciences

Results of Analyzing Sludge Samples

Sample Identification	Lab Number	Microcurie per Gram ± 2 Standard Deviations			
		Thorium-234	Protactinium-234m	Uranium-235	Cesium-137
964	I3128	$(3.9 \pm 0.1) \times 10^{-5}$	$(6.6 \pm 1.3) \times 10^{-5}$	$(1.6 \pm 0.3) \times 10^{-5}$	$(5.9 \pm 0.2) \times 10^{-6}$
MH #V19	I3129	$(3.0 \pm 0.2) \times 10^{-5}$	$(6.6 \pm 1.8) \times 10^{-5}$	$(6.6 \pm 3.1) \times 10^{-7}$	9.9×10^{-8}
MH #V13	I3130	$(1.65 \pm 0.05) \times 10^{-4}$	$(2.9 \pm 0.4) \times 10^{-4}$	$(3.4 \pm 0.9) \times 10^{-6}$	$(3.2 \pm 0.8) \times 10^{-7}$
MH #B7	I3131	$(8.8 \pm 0.3) \times 10^{-5}$	$(1.6 \pm 0.3) \times 10^{-4}$	$(2.3 \pm 0.8) \times 10^{-6}$	$(1.36 \pm 0.01) \times 10^{-4}$
MH #B12	I3132	$(5.6 \pm 0.2) \times 10^{-5}$	$(1.3 \pm 0.2) \times 10^{-4}$	$(1.4 \pm 0.4) \times 10^{-6}$	1.1×10^{-7}

