



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

12 August 1985

REPLY TO
ATTENTION OF:

Staff Engineer

Nuclear Regulatory Commission
ATTN: Darrel Wiedeman
799 Roosevelt Road
Glen Ellyn, IL 60137

Dear Mr. Wiedeman:

As per your request to Federal Cartridge Corporation (FCC), the Operating Contractor at the Twin Cities Army Ammunition Plant (TCAAP), enclosed are the following:

- a. Map of the TCAAP.
- b. Copies of Lab Analysis Concerning Leachate Site G on the TCAAP.

The Point of Contact is Clarence C. Oster, SMCTC-EN, telephone number: A.C. 612 - 633-2301, ext. 662.

Sincerely,

A handwritten signature in black ink, appearing to read "Theodore E. Schulte".

Theodore E. Schulte
Commander's Representative

Enclosures

Copies Furnished:

FCC, TCAAP w/o encls



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BARB SEC

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ANALYTICAL REPORT

ENVIRONMENTAL RESEARCH GROUP, INC.

117 N. FIRST
ANN ARBOR, MICHIGAN 48104 (313) 662-3104

Object: M018864
Report Date: 06-18-85

Client P.O. MINNESOTA
Report: 13830

Samples Recvd: 05-24-85
Refer Questions To:
TOM CULLEN

Client:
ERG - ST. PAUL
135 STATE STREET
ST. PAUL, MN 55107
Attention: HAL RUNKE

Approved: Culler

Residual Samples Will Be Held
TWO WEEKS

Client I.D.: DUMP SITE SEEPAGE
ERG Sample No.: 05/130498
Matrix: GROUND WATER
Date Sampled: 05-21-85

Parameter	Result	Units
BARIUM, TOTAL	<0.1	mg/L
CADMIUM, TOTAL	0.02	mg/L
CARBON TETRACHLORIDE	ND (0.48)	ug/L
CHLOROFORM	ND (0.44)	ug/L
CHROMIUM, TOTAL	<0.02	mg/L
CYANIDE, TOTAL	0.04	mg/L
1,1-DICHLOROETHANE	1.7	ug/L
1,1-DICHLOROETHENE	4.3	ug/L
1,2-DICHLOROETHENE	7.4	ug/L
GROSS ALPHA	<5	pCi/L
GROSS BETA	680	pCi/L
LEAD, TOTAL	<0.05	mg/L
MANGANESE, TOTAL	0.37	mg/L
MERCURY	0.0003	mg/L
* AVERAGE OF DUPLICATE RUNS		
METHYLENE CHLORIDE	63	ug/L
TETRACHLOROETHYLENE	ND (0.33)	ug/L
1,1,1-TRICHLOROETHANE	17	ug/L
TRICHLOROETHYLENE	31	ug/L
ZINC	0.10	mg/L

SD-Sample damaged
FR-See field report for result
SR-See attached report
NA-Result not applicable to test

ND-Nondetected, Detection limit in ()
<-Positive result at an unquantifiable
concentration below indicated level

Thank you for your business.

Page 1

Last Page

Ms. Nancy Metzger
Federal Cartridge Corporation
Twin Cities Army Ammunition Plant
New Brighton, MN. 55412

Lab Report No. 19073
Report Date : 7/18/85
Samples Received: 7/1/85

PARAMETER

Landfill Seepage

1. Gross Alpha	13 pCi/l
2. Gross Beta	820 pCi/l
3. Gamma Scan	All isotopes less than 2 nCi/l

Environmental Research Group, Inc.



Henry M. Runke, Ph.D.
Manager, Professional Services.

HMR/ke



JUL 20 1985

ANALYTICAL REPORT

ENVIRONMENTAL RESEARCH GROUP, INC.

Project: M019073
Report Date: 07-19-85

117 N. FIRST
ANN ARBOR, MICHIGAN 48104 (313) 662-3104

Client P. O. MINNESOTA
Report: 14076

Samples Recvd: 07-03-85
Refer Questions To:
HAL RUNKE

Client:
ERG - ST. PAUL
135 STATE STREET
ST. PAUL, MN 55107

Approved: *Thomas J. Cullen Jr.*

TCAAP
Attn: Nancy Metzger

Residual Samples Will Be Held
TWO WEEKS

Client I. D.: SEEPAGE
ERG Sample No.: 07/132709
Matrix: NATURAL WATER
Date Sampled: 07-01-85

Parameter	Result	Units
GAMMA SCAN	<2	nCi/L
GROSS ALPHA	13	pCi/L
GROSS BETA	820	pCi/L
PCB		
PCB, TOTAL	6.4	ug/L
PCB 1242	*	
PCB 1248	6.7	ug/L*
PCB 1254	ND (0.20)	ug/L
PCB 1260	ND (0.20)	ug/L

* PRESENCE OF PCB 1242 OR 1248 PRECLUDES THE DETERMINATION OF THE DETECTION LIMIT OF THE OTHER AROCLOR.

SD-Sample damaged
FR-See field report for result
SR-See attached report
NA-Result not applicable to test

ND-Nondetected, Detection limit in ()
<-Positive result at an unquantifiable concentration below indicated level

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Last Page

TCAAP
Site G

Weston grid
100 ft

