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**GROUNDWATER MONITORING
ANALYTICAL RESULTS FOR THE SECOND QUARTER 1993
OB GROUNDS, SENECA ARMY DEPOT**

PREPARED FOR:
U.S. Army Corps of Engineers
Huntsville, Alabama

PREPARED BY:
Engineering-Science, Inc.
Boston, Massachusetts

July 1993
D#10

SD 95E-HE

ENGINEERING-SCIENCE, INC.

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July 14, 1993
770454-01005

Mr. Kevin Healy
U.S. Army Corps of Engineers,
Huntsville Division
ATTN: CEHND-ED-CS
P.O. Box 1600
Huntsville, AL 35807-4301

**SUBJECT: Second Quarter Groundwater Monitoring Report for 1993,
 OB Grounds, Seneca Army Depot, Romulus, New York**

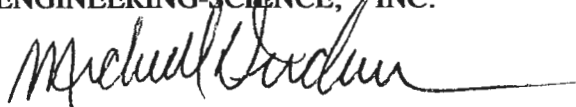
Dear Mr. Healy:

Enclosed is the Second Quarter Groundwater Monitoring Report for 1993. The analytical results are comprised of one major group, indicator parameters (Section 1). The last sample delivery group was received from the laboratory on June 14, 1993. Generally, the results of the second quarter 1993 analyses are consistent with historical results.

Please do not hesitate to call me if you have any questions.

Sincerely,

ENGINEERING-SCIENCE, INC.



Michael Duchesneau
Project Manager

MD/at/D#10

Enclosure

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TABLE OF CONTENTS

1.0 Indicator Parameters

Section 1.0

Indicator Parameters

**OB GROUNDS SECOND QUARTER 1993 MONITORING
INDICATOR ANALYSIS RESULTS**

WQ3	MATRIX SITE	DATE SAMPL'D	WATER OB	WATER OB	WATER OB	WATER OB	WATER OB	WATER OB
	ES ID	ES ID	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6
METER	LAB ID	UNITS	*	*	*	*	*	*
	mg/L	3	1	3	3	1	3	2
	mg/L	190	41	110	110	110	100	110
ductance	umhos/cm	750	530	770	680	680	800	710
ite	units	7.07	7.30	7.10	7.27	7.12	7.25	7.25
Carbon	mg/L as N	0.86	0.05 U	0.05 U	0.05 U	0.05 U	5.1	0.78
Halides	mg/L	1	1 U	2	2	2	2	1 U
	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02	0.03

Notes:

(1) * The Lab ID is different for each parameter

**OB GROUNDS SECOND QUARTER 1993 MONITORING
INDICATOR ANALYSIS RESULTS**

.WK3	MATRIX SITE	DATE SAMPL'D	WATER OB	WATER OB	WATER OB	WATER OB	WATER OB	WATER OB	WATER OB
	ES ID	LAB ID	ES ID	LAB ID	ES ID	LAB ID	ES ID	LAB ID	ES ID
METER	UNITS								
	mg/L	23	7	3	2	7	11		
	mg/L	27	32	180	44	110	500		
ductance	umhos/cm	1200	1400	740	450	660	1200		
	units	7.06	7.04	7.46	7.51	7.20	7.05		
ite	mg/L as N	19	3.1	0.13	0.14	0.16	3.3		
c Carbon	mg/L	1	2	2	1 U	1 U	1 U		
b Halides	mg/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U		

Notes:

(1) * The Lab ID is different for each parameter

**OB GROUNDS SECOND QUARTER 1993 MONITORING
INDICATOR ANALYSIS RESULTS**

WATER	MATRIX	WATER	WATER	WATER	WATER
OB	DATE SAMPL'D	OB	OB	OB	OB
ES ID	ES ID	MW-8(R)	MW-29(R)	MW-30(R)	
LAB ID	LAB ID	*	*	*	
UNITS	UNITS				
2	mg/L	1 U	1 U	1 U	1 U
36	mg/L	1 U	1 U	1 U	1 U
550	umhos/cm	2.2	2.4	2.1	2.1
7.32	units	6.22	6.18	6.06	6.06
0.18	mg/L as N	0.05 U	0.05 U	0.05 U	0.05 U
1 U	mg/L	1 U	1 U	1 U	1 U
0.02 U	mg/L	0.02	0.02 U	0.02 U	0.02 U

Notes:
(1) * The Lab ID is different for each parameter