



DEPARTMENT OF THE ARMY
HEADQUARTERS, U.S. ARMY FIELD SUPPORT COMMAND
1 ROCK ISLAND ARSENAL
ROCK ISLAND, IL 61299-6500

January 20, 2006

REPLY TO
ATTENTION OF:

Safety/Rad Waste Directorate

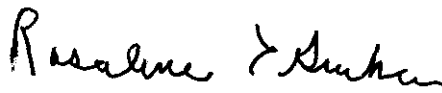
Mr. James Cameron
Nuclear Regulatory Commission
Region III
Decommissioning Branch
2443 Warrenville Road
Lisle, Illinois 60532-4352

Dear Mr. Cameron:

In accordance with Nuclear Regulatory Commission license number SUC-1380, we are providing water sample results from Lake City Army Ammunition Plant, Independence, Missouri. We took the samples on November 17, 2005. The U.S. Army Center for Health Promotion and Preventive Medicine analyzed the samples for uranium. None of the samples exceeded the limits set by Title 10, Code of Federal Regulations, part 20, appendix B.

The point of contact is Mr. Gary Buckrop, AMSFS-SF, (309) 782-2969/0338/0880, electronic mail address afsc-ofc-sf@afsc.army.mil.

Sincerely,


Rosalene E. Graham
Director, Safety/Rad
Waste Directorate

Enclosure

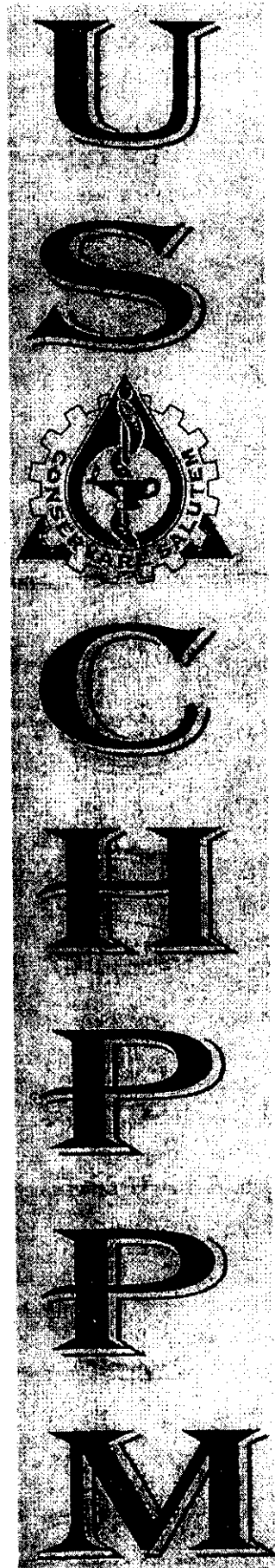
U.S. Army Center for Health Promotion
and Preventive Medicine

05 JAN 2008

FINAL REPORT

**DIRECTORATE OF LABORATORY SCIENCES (DLS)
PROGRAM 79 - SUBJONO: 1236
REPORT SERIAL NO. 265082
DLS PROFILE #: 30450 - WORK ORDER #: 18929
LAKE CITY AAP**

04-Jan-06



Readiness Thru Health

DESTRUCTION NOTICE - Destroy by any method that will prevent disclosure of contents or reconstruction of the document

Enclosure



DEPARTMENT OF THE ARMY
 U.S. ARMY CENTER FOR HEALTH PROMOTION AND PREVENTIVE MEDICINE
 5158 BLACKHAWK ROAD
 ABERDEEN PROVING GROUND, MARYLAND 21010-5403

REPLY TO
 ATTENTION OF

MCHB- TS-LRD (40-5F)

DIRECTORATE OF LABORATORY SCIENCES (DLS)
 RADIOLOGIC, CLASSIC & CLINICAL CHEMISTRY DIVISION
 FINAL REPORT
 04-Jan-06

CLIENT: Mr. Gary Buckrop
 U.S. Army Operations Sup Cmd
 1 Rock Island Arsenal

Rock Island IL 612996000
 DSN: 793-2969/0338

PROJECT SITE: LAKE CITY AAP
 PROGRAM 79 SUBJONO: 1236
 DLS PROFILE #: 30450 DLS WORK ORDER #: 18929
 REPORT SERIAL NUMBER: 265082

This report shall not be reproduced except in full without the written approval of DLS. The results relate only to the specific samples identified within the report.

REPORT RELEASE AUTHORIZATION:

Signature: *Randy Smith* Date: *Jan 06*
 Chief, RCCC



Certificate# 28.02

DLS HOLDS ACCREDITATION FROM AIHA, A2LA, NLLAP, AND COLA

Readiness thru Health

DLS Final Analytical Report, LAKE CITY AAP

Program 79, SUBJONO 1236, DLS WO# 18929, Report Serial No. 265082, 1/4/2006

CASE NARRATIVE

1. Provided are the results of seven water samples from Lake City AAP for uranium analysis. The sample was collected on 17 November 05 and was received in DLS on 18 November 04 in good condition. The sample was shipped on 22 November 05 and received in contract laboratory General Engineering Laboratories (GEL) on 23 November 05 in good condition.

2. Sample Preparation:

a. The sample was analyzed under contract by General Engineering Laboratories (GEL). The sample was digested for uranium by ASTM D 5174 , (Total Uranium in Environmental Samples by Kinetic Phosphorescence) on 09 Dec 05. There is no separate preparation holding time requirement.

3. Sample Analysis:

a. The sample was analyzed under contract by General Engineering Laboratories (GEL). The sample was analyzed for uranium by ASTM D 5174 , (Total Uranium in Environmental Samples by Kinetic Phosphorescence) on 14 Dec 05. All required holding times were met.

b. The results are in units of microgram per liter (ug/L).

4. Quality Control:

a. All internal contractor quality control was within contractor's specifications.

5. For additional information on this report, please contact the laboratory at (410) 436-3983.

List of the report contents:

Section	Number of Pages
Cover Sheet	1
Cover Letter	1
Case Narrative	1
Sample Summary	1
Analytical Data Report	2
Quality Control Data Report	0
Raw Data	0
Terminology/Abbreviations	1

Report Point-of-Contact: Thomas Beegle *TB*
Reviewer: Ronald J. Swatski

List of all tests used:

DLS Procedure	Count
ASTM D 5174	7

Number of samples included in the report, by matrix:

Matrix	Quantity
Water (Ground water)	7

Analyst(s):

Analyst Code	Analyst Name	Signature
0172	GEL	

SAMPLE SUMMARY

Sorted by DLS ID

Sample ID	DLS ID	Sample Date	Notes
LC-1	18929001	17-Nov-05	Water (Ground water)
LC-2	18929002	17-Nov-05	Water (Ground water)
LC-3	18929003	17-Nov-05	Water (Ground water)
LC-4	18929004	17-Nov-05	Water (Ground water)
LC-5	18929005	17-Nov-05	Water (Ground water)
LC-6	18929006	17-Nov-05	Water (Ground water)
LC-7	18929007	17-Nov-05	Water (Ground water)

ANALYTICAL DATA REPORT

(FORMAT OPTION 1)

Sorted by DLS ID

FINAL REPORT

Field ID: LC-1

DLS ID: 18929001

ANALYTE	RESULTS (mg/L)	REPORTING UNIT	TEST METHOD	CONCENTRATION	DATE
Uranium-238	1.74 ug/L	0.0866	ASTM D 5174	0172	14-Dec-05

Field ID: LC-2

DLS ID: 18929002

ANALYTE	RESULTS (mg/L)	REPORTING UNIT	TEST METHOD	CONCENTRATION	DATE
Uranium-238	0.379 ug/L	0.0866	ASTM D 5174	0172	14-Dec-05

Field ID: LC-3

DLS ID: 18929003

ANALYTE	RESULTS (mg/L)	REPORTING UNIT	TEST METHOD	CONCENTRATION	DATE
Uranium-238	0.585 ug/L	0.0866	ASTM D 5174	0172	14-Dec-05

Field ID: LC-4

DLS ID: 18929004

ANALYTE	RESULTS (mg/L)	REPORTING UNIT	TEST METHOD	CONCENTRATION	DATE
Uranium-238	0.322 ug/L	0.0866	ASTM D 5174	0172	14-Dec-05

Field ID: LC-5

DLS ID: 18929005

ANALYTE	RESULTS (mg/L)	REPORTING UNIT	TEST METHOD	CONCENTRATION	DATE
Uranium-238	0.349 ug/L	0.0866	ASTM D 5174	0172	14-Dec-05

Field ID: LC-6

DLS ID: 18929006

ANALYTE	RESULTS (mg/L)	REPORTING UNIT	TEST METHOD	CONCENTRATION	DATE
Uranium-238	0.298 ug/L	0.0866	ASTM D 5174	0172	14-Dec-05

FINAL REPORT

Field ID: LC-7

DLS ID: 18929007

ANALYTE	CONC	UNITS	REPORTING	UNIT	TEST METHOD	DATE	REPORT DATE
Uranium-238	1.51	ug/L	0.0866		ASTM D 5174	0172	14-Dec-05

TERMINOLOGY/ABBREVIATIONS

Term	Description
ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CFR	Code of Federal Regulations
OSHA	Occupational Safety and Health Administration
NIOSH	National Institute of Occupational Safety and Health
ACCURACY	A measure of how close a measured value is to a known true value. Accuracy is assessed by means of reference samples and percent recoveries of spiked samples.

DEPARTMENT OF THE ARMY

AMSFS- SF
HQ US ARMY FIELD SUPPORT COMMAND
1 ROCK ISLAND ARSENAL
ROCK ISLAND IL 61299-6500

OFFICIAL BUSINESS



MR JAMES CAMERON
NUCLEAR REGULATORY COMMISSION
REGION III
DECOMMISSIONING BRANCH
2443 WARRENVILLE ROAD
LISLE IL 60532 4352

605324352

