



Tetra Tech EM Inc.

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July 9, 2008

Mr. Charlie Fitzsimmons
On-Scene Coordinator
U.S. Environmental Protection Agency Region 3
701 Mapes Road
Ft. Meade, Maryland 20755-5350

**Subject: Trinitrotoluene (TNT) Field Analysis
Elkton Farm Firehole Site
EPA Contract No. EP-S3-05-02
Technical Direction Document No. E33-020-08-07-002**

Dear Mr. Fitzsimmons:

Tetra Tech EM Inc. (Tetra Tech) is submitting this letter report summarizing the field sampling and field analyses performed at the Elkton Farm Firehole site on July 1, 2008.

Tetra Tech prepared a grid around the original red flag in grid F3B where TNT was detected above the site action level during a previous sampling event.

Flags were placed five feet from the origin to the north, east, south, and west. Tetra Tech observed there was no vegetation toward the south and south west of the origin extending out about 18 to 20 feet. Tetra Tech placed a flag five feet from the origin to the southwest and started placing flags every 5 feet in a southwest and southerly direction up to 15 feet from the origin.

In an effort to limit the number of samples analyzed and save space for additional field analyses (kit allowed for 20 tests), Tetra Tech collected samples S-3 (15 feet south of the origin), SW-3 (15 feet southwest of the origin), E-1 (5 feet east of the origin), N-1 (5 feet north of the origin), and O or origin at the red flag.

Tetra Tech collected the samples using a stainless steel auger and homogenized the samples in a pre-cleaned aluminum pan. The samples were allowed to air dry for two hours prior to sample analysis.

Tetra Tech analyzed the samples using a Strategic Diagnostics Inc. (SDI) "TNT EnSys® SOIL TEST SYSTEM" kit, analytical balance accurate to 0.1 grams, and a HACH/DR2400 spectrophotometer.

Tetra Tech followed the instructions provided with the SDI kit and to extract and analyze the samples.

Mr. Charlie Fitzsimmons

July 23, 2007

Page 2 of 3

The attached table provides the analytical results of the field screening.

If you have any questions regarding this report, please contact Joe Gawarzewski at (610) 364-2135.-

Sincerely,

A handwritten signature in cursive script that reads "Marian Murphy".

Marian Murphy for

Joe Gawarzewski
Project Manager

cc: TDD File

Enclosure: Table A - "TNT Field Analytical Results"

Elkton Farms Firehole
Table A
TNT Field Sample Log

Draft

Sample Identifier	Sample Date	Sample Matrix	Depth of Sample	Sample Type	Analysis	Sample Location	TNT Concentration (ppm)
O-1	7/1/2008	Soil	3-6 inches	Composite	TNT Field Analysis	Grid F3A	18.6
E-1	7/1/2008	Soil	3-6 inches	Composite	TNT Field Analysis	Grid F3A	5.4
S-3	7/1/2008	Soil	3-6 inches	Composite	TNT Field Analysis	Grid F3A	18.1
SW-3	7/1/2008	Soil	3-6 inches	Composite	TNT Field Analysis	Grid F3A	11
N-1	7/1/2008	Soil	3-6 inches	Composite	TNT Field Analysis	Grid F3A	18.7
S-3	7/1/2008	Soil	9-12 inches	Composite	TNT Field Analysis	Grid F3A	0.93
O-1	7/1/2008	Soil	9-12 inches	Composite	TNT Field Analysis	Grid F3A	3.2
SW-3	7/1/2008	Soil	9-12 inches	Composite	TNT Field Analysis	Grid F3A	2.0

Notes:

O = origin (at red flag)

S = South

N = North

TNT = Trinitrotoluene

SW = Southwest

S-1 = Indicated 5 feet from red flag in southerly direction.

S-3 = Indicated 15" from red flag in southerly direction.