

United States Environmental Protection Agency
Region III
POLLUTION REPORT

Date: Monday, August 21, 2006

From: Dominic Ventura

Subject: Continuation of work
Elkton Farm Firehole
183 Zeitler Rd., Elkton, MD
Latitude: 39.6292184
Longitude: -75.8681150

POLREP No.:	30	Site #:	A3DH RV
Reporting Period:	07/31-08/17	D.O. #:	
Start Date:	1/31/2006	Response Authority:	CERCLA
Mob Date:	1/31/2006	Response Type:	Time-Critical
Demob Date:		NPL Status:	Non NPL
Completion Date:		Incident Category:	Removal Action
CERCLIS ID #:		Contract #	
RCRIS ID #:			

Site Description

Work Mission Statement:

Safely and efficiently investigate and remove Munitions and Explosives of Concern (MEC); Materials Potentially Possessing an Explosive Hazard (MPPEH), Munitions Debris (MD) and explosively contaminated soil(TNT) from the Elkton Farms Firehole Site, as defined in EPA's geophysical study.

Current Activities

During this reporting period the intrusive activities continued within grids: C3, B3, G5d, and A4 and Taz anomalies 1, and 2. See map for reference to Taz anomaly areas:
https://www.epaosc.net/sites/1299/files/taz_areas1.pdf

Final QA/QC clearance was determined for grids G6a and F6a.

On August 3 the TAZ was demobilized. The subcontractor and prime (Timberline and IPC respectively) determined that the TAZ had been on site long enough. The FOSC was never notified of this decision. The TAZ was demobilized thru adjacent private properties with some minor damages to those properties. The FOSC views the Taz as being marginally successful during its stay on site. The Taz routinely got bogged down in wet soils, its screen size was too large allowing small items to pass thru and ultimately sifted only 25% of its contracted volume.

On August 8, the USACE informed IPC that the new site demobe date is September 9 due to enough funding being available. The USACE notified the FOSC on August 15 that as many as four IPC personnel (half the team) would be demobing on August 24 due to having found other employment, as a result of the initial declared demobe date of August 24. Therefore IPC will be operating with a smaller team starting August 24.

During this reporting period validated analytical data from the June 12 soil sampling event of the pit spoils was returned. Of noteworthy the grab sample representing the slag layer returned a value of 9.57mg/l for TCLP lead analysis.

Demolition shots of MPPEH were conducted on August 1, 9 and 16. Pre and post soil samples were retrieved by START on August 9 as per SAP. The following MPPEH were rendered safe during these shots:

(700) 6" Burster Tubes
(30) 14oz Boosters (DONOR CHRG)
150' 50oz Detonating Cord (DONOR)
500' Shock Tube W/Det (DONOR)
(557) 6" Burster Tubes Bunker

(30) 14oz Orange Cap Boosters DONOR CHARGE
500' Shock Tube W/cap DONOR CHARGE
88' 50oz Det Cord DONOR CHARGE
(850) 6" Burster Tubes
52' Det. Cord donor
500' Shock Tube W/Detonator donor
(30) 14oz. Org. Cap Booster donor

IPC personnel continue to maintain the covering of the piles of the large pit piles.

The EPA FOSC continues to conduct project weekly conference calls, every Tuesday between EPA, MDE and USACE. EPA's Start contractor maintains the minutes of these discussions.

Priorities for the next reporting period are for IPC to complete as many grids/subgrids as possible focusing on open grids. These grids will be focussed on: G5d,C3a/d,B3a/b and possibly K4.

MPPEH RECOVERED DURING WEEK AND DISPOSITION: (SHA-Safe Holding Area)

(59ea) 40mm Tracer Elements TAZ Pit 1 Tailings
(1ea) Booster TAZ Pit 1 Tailings
(1ea) Slap Flare Rkt Motor TAZ Pit 1 Tailings
(2ea) Pieces of 6# Incendiary Bombs TAZ Pit 1 Tailings
2 ea 40mm tracers (anomaly 1 tailings) SHA
27 ea 40mm tracers (anomaly 1) SHA
7 ea 40mm tracers (anomaly 2 tailings) SHA
192 burster tubes (anomaly 2 tailings) SHA
2 ea slap flare bases (anomaly 2 tailings) SHA
1 ea fuze component (anomaly 2 tailings) SHA
53 ea 40mm tracers (anomaly 2 surface) SHA
2 ea HE boosters for incendiary bomblets (anomaly 2 surface)
3 ea slap flare components (anomaly 2 surface)
750 burster tubes (anomaly 2 tailings) SHA
2 ea slap flare bases (anomaly 2 tailings) SHA
41 ea HE boosters for incendiary bomblets (anomaly 2 tailings) SHA
7 ea slap flare components (anomaly 2 tailings) SHA
27 burster tubes (anomaly 2 surface sweep) SHA
800 ea burster tubes (anomaly 2 tailings) SHA
31 ea 40mm tracers (anomaly 2 tailings) SHA
64 ea HE booster pellets (anomaly 2 tailings) SHA
7 ea slap flare components (anomaly 2 tailings) SHA
3 ea HE booster pellets (anomaly 2 surface sweep) SHA
34 burster tubes (anomaly 2 surface sweep) SHA
2 ea slap flare components (anomaly 2 surface sweep) SHA
143 ea burster tubes (anomaly 2 tailings) SHA
1 ea 40mm tracers (anomaly 2 tailings) SHA
14 ea HE booster pellets (anomaly 2 tailings) SHA
1 ea slap flare components (anomaly 2 tailings) SHA
1 ea piece of magnesium (anomaly 2 tailings) SHA
5 ea 40mm flare components (anomaly 2 tailings) SHA
120 ea burster tubes (anomaly 2 tailings) SHA
21 ea HE booster pellets (anomaly 2 tailings) SHA
1 (ea) burster tubes SHA
3 (ea) HE booster pellets SHA
3 (ea) 40mm tracer elements
1 (ea) burster tubes SHA
1 (ea) HE booster pellets SHA
4 (ea) 40mm tracer elements
1 (ea) 6 lb nose weight w/ thermite
2 (ea) slap flare Rkt Motors
5 (ea) HE booster pellets SHA
14 (ea) 40mm tracer elements
2 (ea) 6 lb nose weight w/ thermite
4 (ea) slap flare Rkt Motors
5 (ea) HE booster pellets SHA
14 (ea) 40mm tracer elements

2 (ea) 6 lb nose weight w/ thermite
4 (ea) slap flare Rkt Motors
2 (ea) burster tubes SHA
6 (ea) HE booster pellets SHA
3 (ea) 40mm tracer elements
10(ea) fuze parts
1(ea) pop flare base
2(ea) incendiary bomb nose weights

Through August 17, 2006 the following stats apply (nominal change since the previous reporting period):

Total grids - 66 (200x200)
Grids cleared - 28.75
Percent complete - 42.8%
Grids cleared this reporting period: 0.5
Grids Government Qc'd - 28.75
Grids failed - 4.25
Total Number of digs - 80,133
Number of live MPPEH - 6900
Pounds of MPPEH/MD found - 571
Pounds of non MEC scrap found - 1,723

Refer to this web site for updated adobe map of site completion activities:

<https://www.epaossc.net/sites/1299/files/grid%20data%20update%20map%20060818.pdf>

Planned Removal Actions

FOSC initiating contract scope of work with a region 3 ERRS contractor. Tentative SOW to include site security (24hour/security fence), management of pile coverage and other minor site security measures.

response.epa.gov/elktonfarmfirehole