



west virginia department of environmental remediation
Office of Environmental Remediation

VRP Project #: **15017**
Brownfield Site: Yes No
Report Date: **1-15-16**
Page **1** of **7**

OFFICE OF ENVIRONMENTAL REMEDIATION
VOLUNTARY REMEDIATION PROJECT
SITE VISIT/INSPECTION REPORT

APPLICANT

LRS

NAME: Freedom Industries			NAME: Matt Ford			LRS# 240		
ADDRESS: 1015 Barlow Drive			ADDRESS: 533 N. Jefferson St., Suite 3					
CITY: Charleston		STATE: WV	ZIP: 25311		CITY: Lewisburg		STATE: WV	ZIP: 24901
PHONE: (304)720-2312			PHONE: (304) 520-4260					
CONTACT: Robert Johns, Spill Claim Plan Administrator								

LOCATION

FACILITY: Freedom Industries			STREET ADDRESS: 1015 Barlow Drive		
CITY: Charleston		COUNTY: Kanawha		PHONE: ()	
DATE OF VISIT: January 15, 2016		TIME IN: ~9:00 am		TIME OUT: ~ 11:30 am	

SITE STATUS: Abandoned <input checked="" type="checkbox"/> Active <input type="checkbox"/>			UST's: Existing <input type="checkbox"/> Former <input checked="" type="checkbox"/>			SURFACE SOIL STAINING: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
SURFACE WATER ON OR ADJACENT TO PROPERTY: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			EXISTING MONITORING WELLS: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					
Existing Structures Including Dimensions and Use: 1. Former/current office building (offices, small coal testing lab and storage) - ~125'L x ~85'W x ~30'H; 2. Garage/maintenance and vehicle storage building - ~225'L x ~55'W x ~20'H								
Chemicals of Potential Concern: 4-methylcyclohexanemethanol (MCHM), propylene glycol phenyl ether (PPH), calcium chloride, ethylene glycol, glycerin, polychlorinated biphenyls (PCB's), lead, petroleum hydrocarbons, volatile organic compounds (VOC's) and semi-volatile organic compounds (SVOC's)								
DRINKING WATER SOURCE: GW <input type="checkbox"/> Public <input checked="" type="checkbox"/> Other			SURROUNDING LAND USE: Residential <input checked="" type="checkbox"/> Commercial <input checked="" type="checkbox"/> Industrial <input type="checkbox"/> Recreational <input type="checkbox"/> Agricultural <input type="checkbox"/> Other <input type="checkbox"/>					
OTHER AREAS OF CONCERN:								

COMMENTS

On-site at Freedom Industries AST release site @ ~ 900 hrs. Overcast, temperature ~ 32°. Jared Sommers & Sotero Svingos of CORE on-site. SPSI workers on-site [SPSI employees include Gary Houseman and Ron Holmes (excavator operators), and Chuck Devine, JoshThayer, Jamie Clapp and Chad Tharp (field techs)]. All personnel are in Level C & D personal protective equipment (PPE), depending on work area. No excavation today - loading out remaining C&D waste from Areas 3&4 for disposal. Also continuing to thaw out & dispose of water in frac tanks.

CORE/SPSI were able to excavate all C&D waste from Areas 3&4 yesterday. Some confirmation samples were taken yesterday, the rest will be taken today and sent to lab - samples to be analyzed for MCHM, PPH, BTEX and PAH's. CORE is concerned about the amount of petroleum waste encountered in Areas 3&4 - may not be able to meet risk standards. These areas were not accessible for assessment when Pennzoil/Quaker State was in the Voluntary Remediation Program. RBR Consulting (Bruce Fishman, Toxicologist) is also still working on migration to groundwater standards for MCHM and PPH. Also still need to determine whether the trench actually needs to be removed. Current plan is to finish loading out C&D waste, finish confirmation sampling and continue water disposal (much of the water in the frac tanks has been frozen due to low temps; continuing to thaw for disposal). CORE will review analytical results and have discussions with RBR next week to determine if petroleum-contaminated soil needs to be removed. Also plan to sample collection trench & monitoring wells next week. Elk River (surface water) was sampled on Wednesday of this week during excavation in Areas 3&4. SPSI will not be on-site next week unless a heavy rain occurs.

Area of gas lines in Areas 1B & 2 still has not been backfilled - gas company wanted to re-coat active lines before backfill. CORE/SPSI had planned to backfill this area today.

Slight MCHM & petroleum odors noted today in area of truck entrance; moderate odors noted on lower level in collection trench area.

Received results of waste characterization sample (#7) from border area of Test Pit #9 on Wednesday (1/13) - results were 120 ppm for MCHM & 540 ppb for PPH - these levels are still way below the industrial soil standards developed for the site. City of Charleston Landfill submitted and received approval for another special waste permit modification yesterday - Division of Water & Waste Management/Solid Waste Section will not require additional characterization samples - this final sample was approved for total of 10,000 tons of waste - approval is good through June 2016.

SPSI was moving heavy equipment into on-site garage as I was leaving the site

Departed site @ 1130 hrs.

A numbered list of photos taken during day 24 (1/15/16) of excavation phase of project follows, with the photos attached below:

1. Decontamination (decon) of excavator prior to on-site storage.
2. View of road built into Area 3 this week; looking north
3. Clean backfill stockpiled for Areas 3&4.
4. CORE soil sampler in Level C PPE in Area 3.
5. View of excavation in Area 4 - note tent constructed to thaw sumps in water collection trench and MW-13 at base of slope; looking west towards Elk River.
6. View of northern end of excavation in Area 3.
7. Close-up of southern end of excavation in Area 4 (slope) - note orange stakes marking confirmation sample areas.
8. Close-up of water pooled at toe of slope - bottom of excavation in Area 4.
9. CORE sampler marking confirmation sampling locations.
10. View of backfilled Area 1A - looking southwest.
11. View of backfilled Area 1B - looking west from truck entrance.
12. Pumping water from frac tanks - note plastic used to cover and assist in thawing tanks.
13. SPSI field tech checking water level in frac tank.
14. Pumping water into BBU truck for disposal.
15. Security fencing at southern end of Area 4 - note stick-up monitoring well MW-3 and flush mount monitoring well MW-3A.
16. Petroleum-stained soil at base of excavation in Area 4.
17. View of excavation in Areas 3&4 looking east - note stained soil and sampling locations.
18. View of bottom of excavation in Area 4 adjacent to water collection trench - looking south.
19. CORE samplers marking sampling jars, preparing to collect soil samples.
20. CORE sampler collecting a soil sample from the northern end of Area 4.

Project Manager's Signature:



Date: 1-15-16

1.



3.



2.



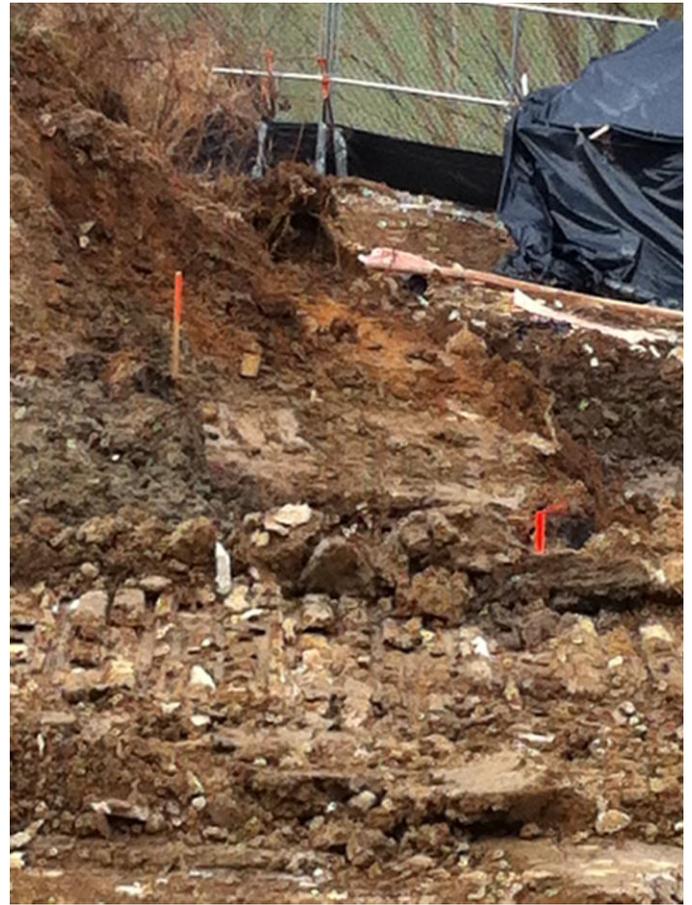
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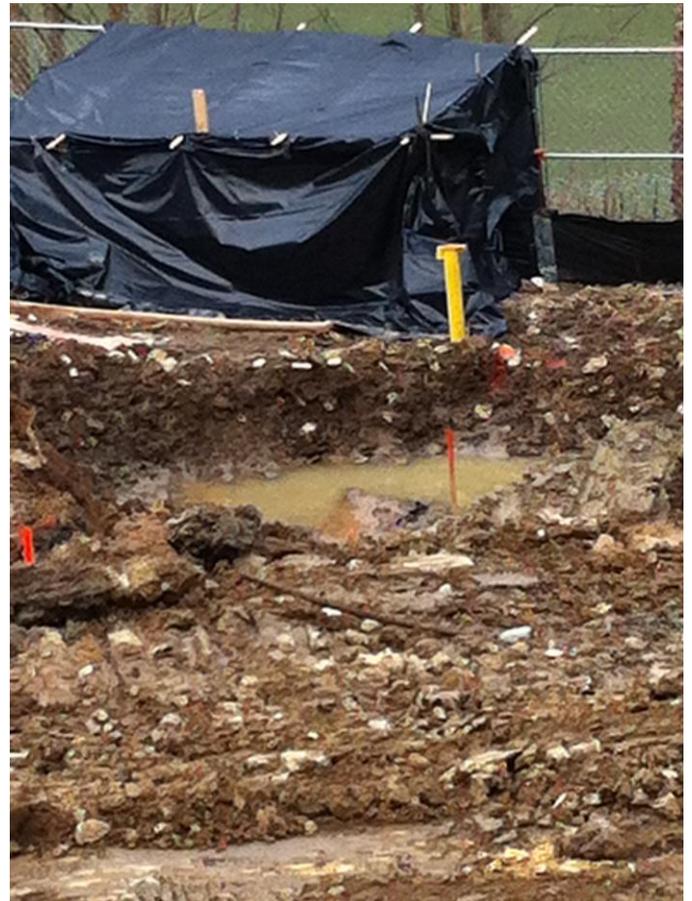
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11.



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13.



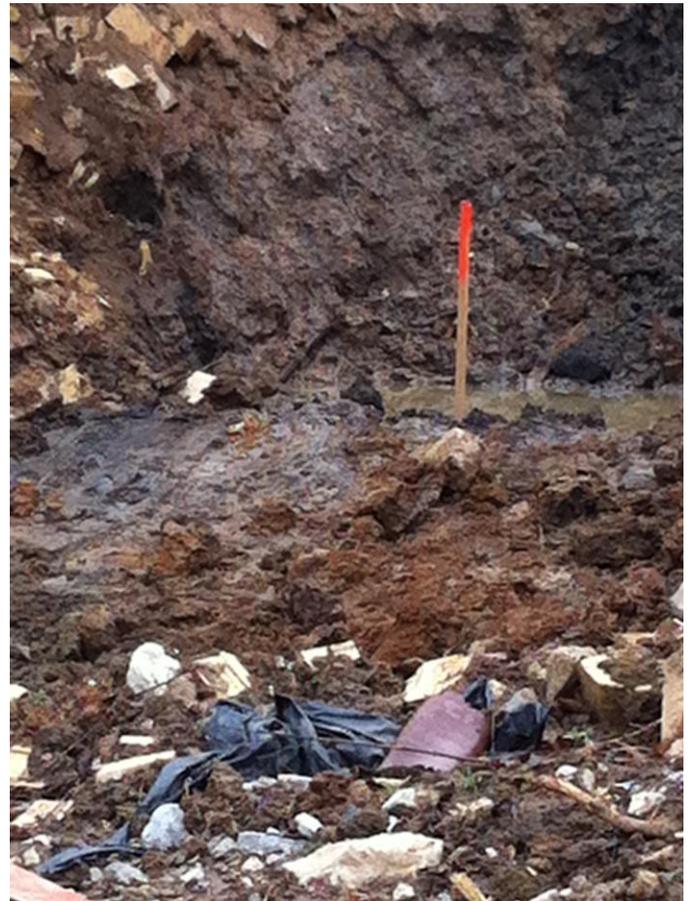
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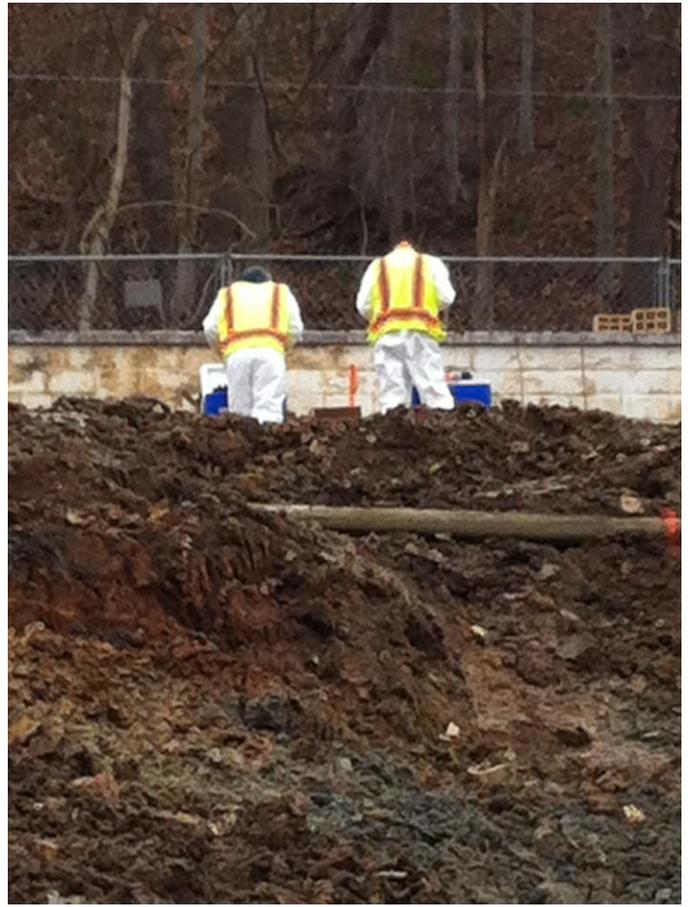
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17.



19.



18.



20.

