



west virginia department of environmental remediation
Office of Environmental Remediation

VRP Project #: **15017**
Brownfield Site: Yes No
Report Date: **1-20-16**
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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 20, 2016			TIME IN: ~9:00 am			TIME OUT: ~ 3:30 pm					

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 ~ 16°; snowing @ ~ 1000 hrs. Brian Liptock & Kinder Tuckwiller of CORE on-site. Matt Ford, LRS of CORE on-site ~ 930 hrs. Jeff Holmes, PE of CORE on-site ~ 1000 hrs. No SPSI workers on-site today. All personnel are in Level D personal protective equipment (PPE). No excavation today - groundwater sampling only.

Matt received results of confirmation samples from Areas 3&4 yesterday. Total of 30 samples were sent to the lab and analyzed for MCHM, PPH, BTEX and PAH's. Only 1 sample out of 30 had detections of MCHM & PPH (5.9 ppm MCHM, 440 ppb PPH). Will go ahead and dig this hot spot and resample. All samples had detections of PAH's, ~ 1/3 of samples had detections of BTEX. Samples will likely all meet industrial De Minimis Standards, but several PAH's and benzene will likely exceed migration to groundwater standards in several areas. RBR Consulting (Bruce Fishman, Toxicologist) is also still working on migration to groundwater standards for MCHM and PPH. Also still some discussion as to whether the trench actually needs to be removed. Only work going on this week is collection trench and monitoring well sampling. Results of Elk River (surface water) sampling from last Wednesday during excavation in Areas 3&4 were all ND.

Discussed preliminary plans for capping the site, and in particular, plans for finalizing the slope area (Area 4). Slope will need to be terraced in order to be able to compact backfill and to keep it from slipping. Will likely use clay for cap and put topsoil over clay cap and seed. Will install clay wall at base of slope on east side of collection trench. Hope to leave collection trench in place and cover with clay cap. Stormwater from Area 3 will likely be diverted back towards current diversion trench on east side of site. Drove down to lower terrace to observe current slope area and discuss preliminary plans.

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 will leave this area open until ready to backfill Areas 3&4 .

No MCHM or petroleum odors noted on lower level in collection trench area.

Departed site @ 1530 hrs.

A numbered list of photos taken during today's site visit follows, with the photos attached below:

1. Petroleum-stained soil and frozen water at base of excavation in Area 4.
2. View of Elk River below collection trench.
3. CORE groundwater sampler sampling MW-5.

Project Manager's Signature:

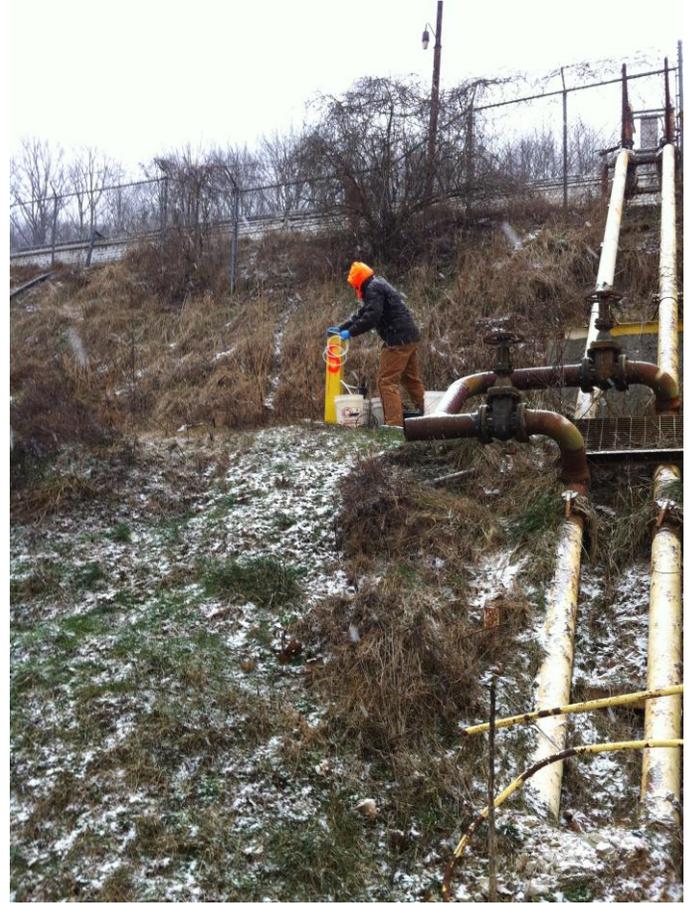


Date: 1-20-16

1.



3.



2.

