



west virginia department of environmental remediation
Office of Environmental Remediation

VRP Project #: **15017**
Brownfield Site: Yes No
Report Date: **2-1-16**
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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: February 1, 2016				TIME IN: ~ 8:30 am				TIME OUT: ~ 5:30 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 @ ~ 830 hrs. Overcast, light rain, temperature ~ 44°; Labeling sample bottles until CORE arrives. Splitting groundwater and sump water samples today. Brian Liptock & Kinder Tuckwiller of CORE on-site ~ 1000 hrs. SPSI workers on-site for water management (SPSI employees include Ron Holmes, Chuck Devine and JoshThayer). Drove back to Go-Mart to get ice while CORE preps for sampling.

Brian Liptock reported that groundwater sampling at MW-11 is complete - sampling is still going very slow. Currently low-flow purging MW-5. Wells on the upper level of the site are very slow to recharge. Those on the lower bench (collection trench area) have surprisingly not been much better.

Drove down to lower bench of site (collection trench area) ~ 1045 hrs to prep for sampling. Moderate MCHM odor in collection trench and excavation areas today. Sampling via low-flow method. Brian purging/stabilizing water level and monitoring water quality parameters in MW-13 at ~ 1100 hrs. Ran sample tubing inside tent built for sump #8 to keep sump from freezing - this will also keep groundwater pump and flow-through cell out of the rain. SPSI brought trash pump down to lower level to begin pumping water from the excavation at the base of the slope back up into frac tank - water level in excavation is high. Split sample MW-13-SPL-2-16 @ 1135 hrs: 6-VOA's, 3-liter-amber, 1-250 ml amber glass & 1 -250 ml plastic bottles - analysis will be for 4-MCHM/PPH, BTEX+MTBE, PAH's (SIM), Alcohols, Glycols and Dissolved Lead. Finished sampling ~ 1200 hrs - placed custody seal on each container and placed samples on ice. Brian went ahead and sampled sump #8 while set-up in tent. Pump to dewater trench cycled several times during sampling - pumping water back up to frac tanks where it will be filtered and eventually disposed of off-site. Kinder moved to sump #10 to set-up ~ 1245 hrs after Brian was finished sampling sump #8. Split sample Sump-10-SPL-2-16 @ 1310 hrs: 6-VOA's, 3-liter-amber, 1-250 ml amber glass & 1 -250 ml plastic bottles - analysis for 4-MCHM/PPH, BTEX+MTBE, PAH's (SIM), Alcohols, Glycols and Dissolved Lead. Finished sampling ~ 1330 hrs - placed custody seal on each container and placed samples on ice. Loaded coolers into Jeep and drove back up to site office.

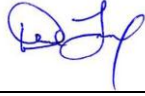
Completed Chain of Custody (COC) for samples in office, called REIC for sample pick-up on 2/2/16. CORE prepped samples and COC for sample pick-up by ALS on-site. This completes current groundwater/surface water sampling for this event. Only work the rest of the week will be water management by SPSI.

Departed site @ 1430 hrs.

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

1. View of water level meter and MW-13, water at base of excavation and tent (freeze protection) for sump #8.
2. Water flowing into base of excavation of Areas 3&4 (note hoses for pumping water out).
3. Sampling set-up inside freeze protection tent at sump #8.
4. Trash pump (in middle of photo) pumping water from excavation (note also orange hose for pumping water from collection trench).
5. Sampling set-up at sump #10 - looking north.

Project Manager's Signature:



Date: 2-1-16

1.



3.



2.



4.



5.

