



west virginia department of environmental remediation
Office of Environmental Remediation

VRP Project #: **15017**
Brownfield Site: Yes No
Report Date: **12-8-15**
Page **1** of **6**

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: December 8, 2015				TIME IN: ~6:00 am				TIME OUT: ~ 6:15 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 @ 600 hrs. Excavation of MCHM/PPH contaminated soil continues today. Matt Ford, Lefe Kunkel, Sotero Svingos and Jared Sommers of CORE Environmental on-site, Paul Peter of McIntosh Associates (air monitoring consultant) on-site and all SPSI workers on-site, [SPSI employees include Lance Wilcox (Project Manager), Gary Houseman (excavator operator), Ron Holmes (excavator operator), Chuck Devine (worker), Jami Clapp (worker) and Conner Fritz (worker)]. Workers begin dressing out in Level C and Level D PPE, depending on what area they're working in. Mr Peter already calibrating sample pumps, replacing batteries and attaching charcoal tubes for air monitoring/sampling. Conducted site safety meeting ~ 645 hrs. Site work zones same as yesterday, however, exclusion (contamination) zone will spread into Area 1B today. Mr. Peter began positioning ambient air monitors (upwind and downwind), also same locations as yesterday.

At ~ 700 hours SPSI employees began moving heavy equipment into excavation area 1A and delineating the work zone with caution tape. At ~ 715 hrs, began fitting workers who will be in exclusion (contaminated) zone with air monitors (Mr. Houseman & Mr. Holmes, excavator operators; Mr. Svingos, Mr. Kunkel and Mr. Sommers, workers/soil samplers).

Began excavating contaminated soil ~ 730 hours in excavation area 1A. Excavating with two backhoes. Soil continuing to be stockpiled into piles of ~ 300 cubic yards (cu. yds.) each. At ~ 900 hours, begin sampling stockpiles from yesterday to determine if the soil needs to go to the landfill. Obtaining 5 samples/stockpile to characterize MCHM/PPH levels. By ~ 1000 hrs, moving into Area 1B. At ~ 1015 hrs, encountered open vault in subsurface in Area 1B, apparently associated with former bulk petroleum facility. Excavated entire vault for disposal. Excavated along secondary containment wall in former MCHM/PPH AST's and spill pathway area in Area 1B - this material is obviously contaminated - made decision to start hauling soil to landfill after lunch.

Break for lunch ~ 1100 hrs

Continue excavating/stockpiling soil @ ~ 1200 hrs. Area 1A is finished except for soil that needs to be excavated beneath stockpiles. Need to get stockpile results back before moving. Samples from stockpiles picked up by lab ~ 1230 hrs. Faint MCHM odors noted in the office area at the southern end of the site the today. Moderate odors noted in excavation areas. First truck on-site to haul soil to landfill @ ~ 1315 hrs. Truck with lime for controlling odors on-site ~ 1320 hrs. Lime dumped at truck entrance. First truck through decontamination area ~ 1330 hrs; left for Charleston Landfill ~ 1345 hrs. Two trucks loaded and headed for landfill. Continue excavating and stockpiling soil for disposal in Area 1B. Two more truckloads out by ~ 1530 hrs. Took drive to monitor air quality. Drove north on Barlow drive (predominant downwind direction) - at ~ 1/4 mile north of site (furthest residents notified by door-to-door notification) - very slight MCHM odor noted. At ~ 1/10 mile north of site, moderate odor noted. Drove south on Barlow Drive to city limits (south end of bridge) - no odors noted; drove west on Keystone Drive (towards river) - no odors noted, drove north on Nectarine Drive (off of Keystone) towards site - no odors noted; no odors noted south of site.

Excavated as far as possible in Area 1B due to locations of stockpiles. Area 2 also covered by stockpiles. Began excavating Area 3 ~ 1615 hrs.

Reviewed and commented on draft VRA Mod #2 for Freedom Industries, VRP #15017. Reviewed and commented on Freedom Day 1 (12-7-15) Quality Control Report.

Completed day 2 excavation activities ~ 1645 hrs. Workers and excavators completed decontamination (decon) and discarded disposable PPE in a drum located in the contamination reduction zone.

Discussed tomorrow's plans for excavation and sampling. Mr Peter collected personal air monitors from workers and prepared charcoal tubes for shipment to laboratory (ALS). Will meet on-site tomorrow @ 600 hrs for safety meeting/review of Health & Safety Plan (HASP). Hope to begin excavating by 700 hrs.

Departed site @ 1800 hrs

A numbered list of photos taken during day 2 excavation activities follows, with the photos attached below:

1. Workers ready to enter exclusion (contaminated) zone; moving equipment into place
2. Beginning excavation in Area 1B ~ 10:00 am
3. Soil being loaded into 1st truck for disposal at Charleston Landfill
4. Decontamination of 1st truck loaded for landfill disposal of soil
5. Truck dumping lime to be used for odor control
6. 1st truck decontaminated with tarp covering soil
7. 1st truck leaving site for Charleston Landfill
8. View from truck entrance of truck being loaded for landfill disposal of soil
9. Excavator digging soil from former MCHM/PPH AST and spill area - looking southwest
10. View of excavators working in tandem to excavate and load contaminated soil - looking southwest
11. View of CORE emergency contact sign
12. View of stockpiles covered at end of day
13. Additional view of stockpiles covered at end of day

Project Manager's Signature: _____



Date: 12-8-15

1.



3.



2.



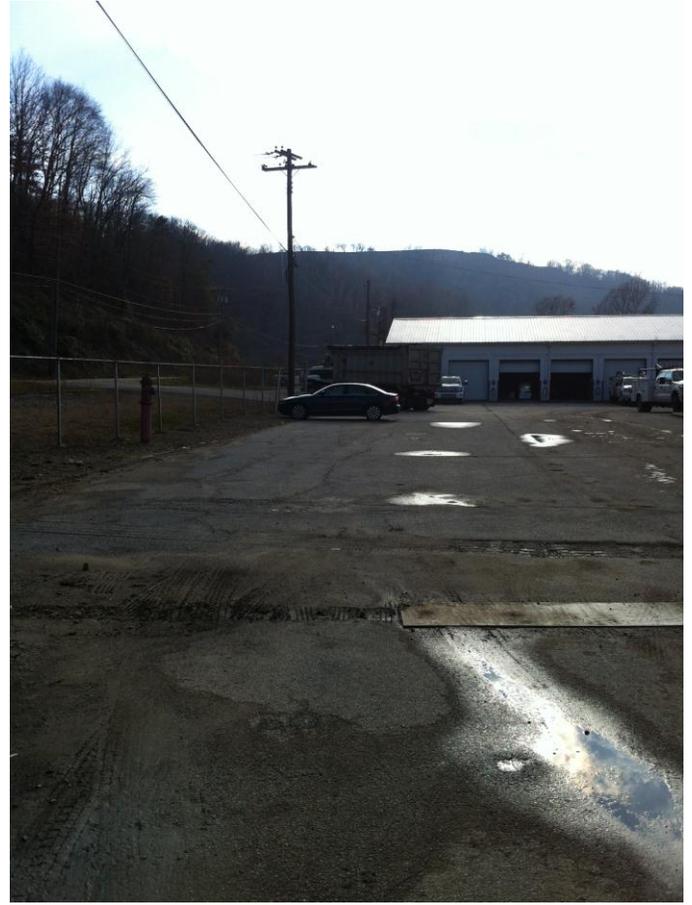
4.



5.



7.



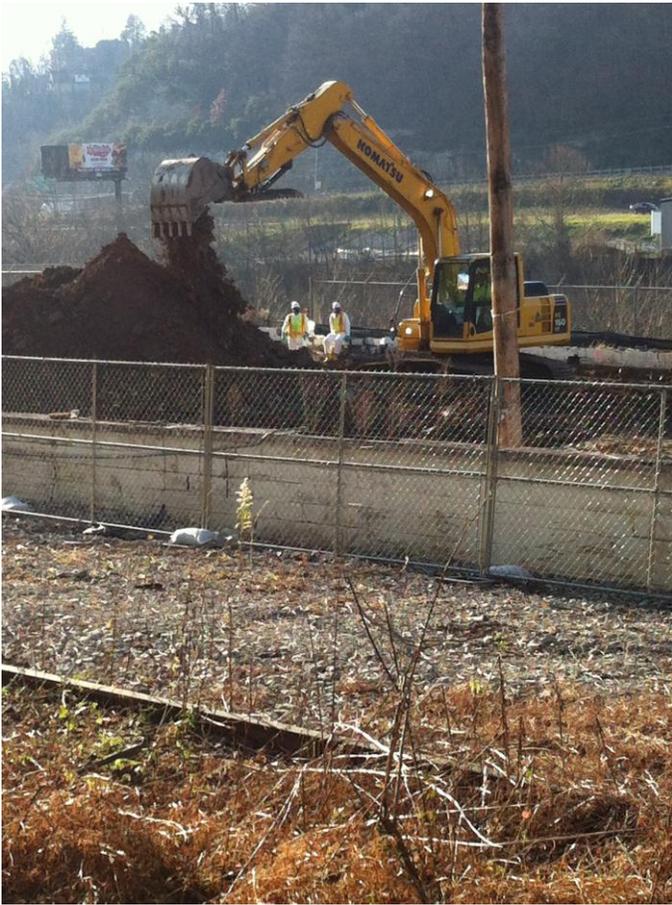
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8.



9.



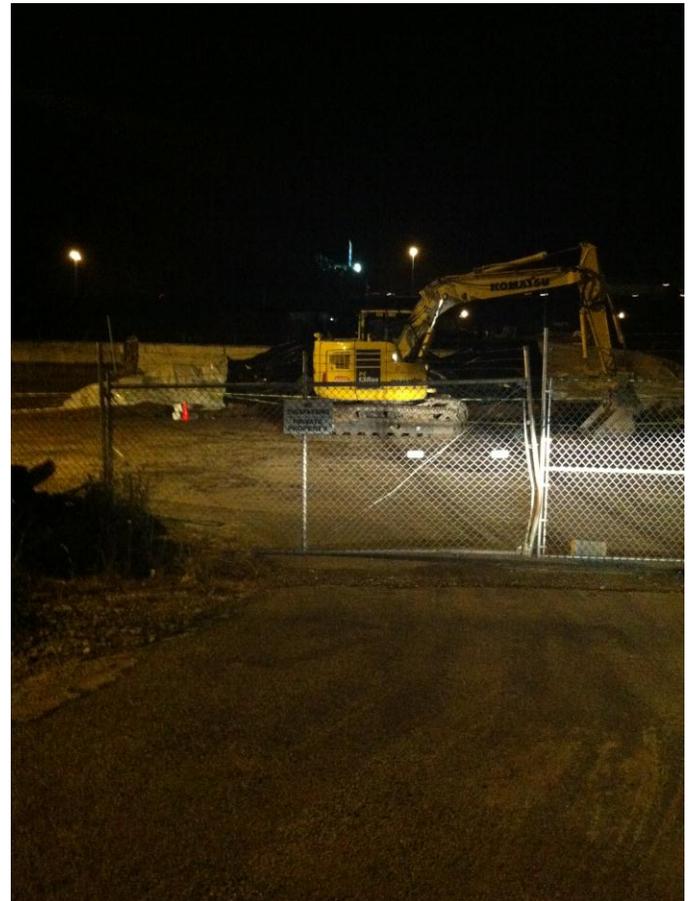
11.



10.



12.



Charleston – Original

Copy – Project Manager

Copy - Applicant

