west virginia department of environmental remediation
Office of Environmental Remediation

VRP Project #:**15017**
Brownfield Site: Yes ☐ No ☒
Report Date: **1-29-16**

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 29, 2016**	TIME IN: ~ **10:15 am**	TIME OUT: ~ **2:15 pm**

SITE STATUS: Abandoned ☒ Active ☐ | **UST's:** Existing ☐ Former ☒ | **SURFACE SOIL STAINING:** Yes ☐ No ☒

SURFACE WATER ON OR ADJACENT TO PROPERTY: Yes ☒ No ☐ | **EXISTING MONITORING WELLS:** Yes ☒ No ☐

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 ☐ Public ☒ Other	**SURROUNDING LAND USE**: Residential ☒ Commercial ☒ Industrial ☐ Recreational ☐ Agricultural ☐ Other ☐
OTHER AREAS OF CONCERN:	

COMMENTS

On-site at Freedom Industries AST release site @ ~ 1015 hrs. Overcast, temperature ~ 28°; Matt Ford and Brian Liptock of CORE on-site. No SPSI workers on-site. Jacob White of Randolph Engineering on-site to discuss capping plans for the excavated areas - Randolph will be putting the final plans (drawings) together. No additional groundwater or surface water sampling until Monday (additional containers needed and CORE is having problems with sampling tubing freezing up).

Discussed plans for capping the site. Areas 1A, 1B and 2 will need to have ~ 6-12" of current fill removed in order to place clay fill for cap. This material will be pushed over into the large excavation area in Areas 3&4. Slope (Area 4) will need to be terraced in order to be able to compact backfill and to keep it from slipping. This area will also be cut back into Area 3 to reduce the grade of the slope. A clay wall (~ 2' thick x 8' deep) will be installed at the base of slope on the east side of collection trench (between the trench and the slope). Plans are to leave the collection trench in place and eventually cover it with a clay cap also. However, need to sample water in trench post-excavation and post-capping to determine if there are current detections of MCHM/PPH in the water and determine if the cap is effective. Storm water from Area 3 will be diverted back towards the current diversion trench on the east side of the site. This trench currently intercepts water coming onto the site from the hillside across Barlow Drive and diverts it to the north end of the site where it discharges to the hillside. Clay in all capped areas will eventually be covered with 6" of topsoil and seeded. For now, will use a soil mat to keep topsoil from eroding until it can be seeded in the spring.

Drove out to Area 3 to continue capping discussion. A good bit of fill will be needed to slope this area back towards Barlow Drive. The off-site collection trench may also need to be deepened. Drove down to lower bench (collection trench area) for Mr. White to observe the slope and trench. A good bit of water has pooled in the excavation at the bottom of slope.

Continued discussion of capping with Matt back in the site office after Mr. White departed. Originally had planned to divert storm water from Area 3 back towards the current diversion trench on east side of the site; however, this will create a storm water outfall that

will likely need to be permitted and sampled. Also having second thought about diverting water that falls on-site to the off-site trench. Deepening the trench and filling Area 3 to slope back towards the trench will be major construction tasks. Ultimately decided not to slope this area back to the east. Water from Area 3 will run off down the modified slope and to the river. Matt will have Brian sample the upper diversion trench discharge at the northern end of the site on Monday (forecast calls for rain on Monday); both collection trench sumps and MW-13 will also be sampled.

Departed site @ 1430 hrs.

No photos were taken during today's site visit.

Project Manager's Signature: _____ **Date:** 1-29-16