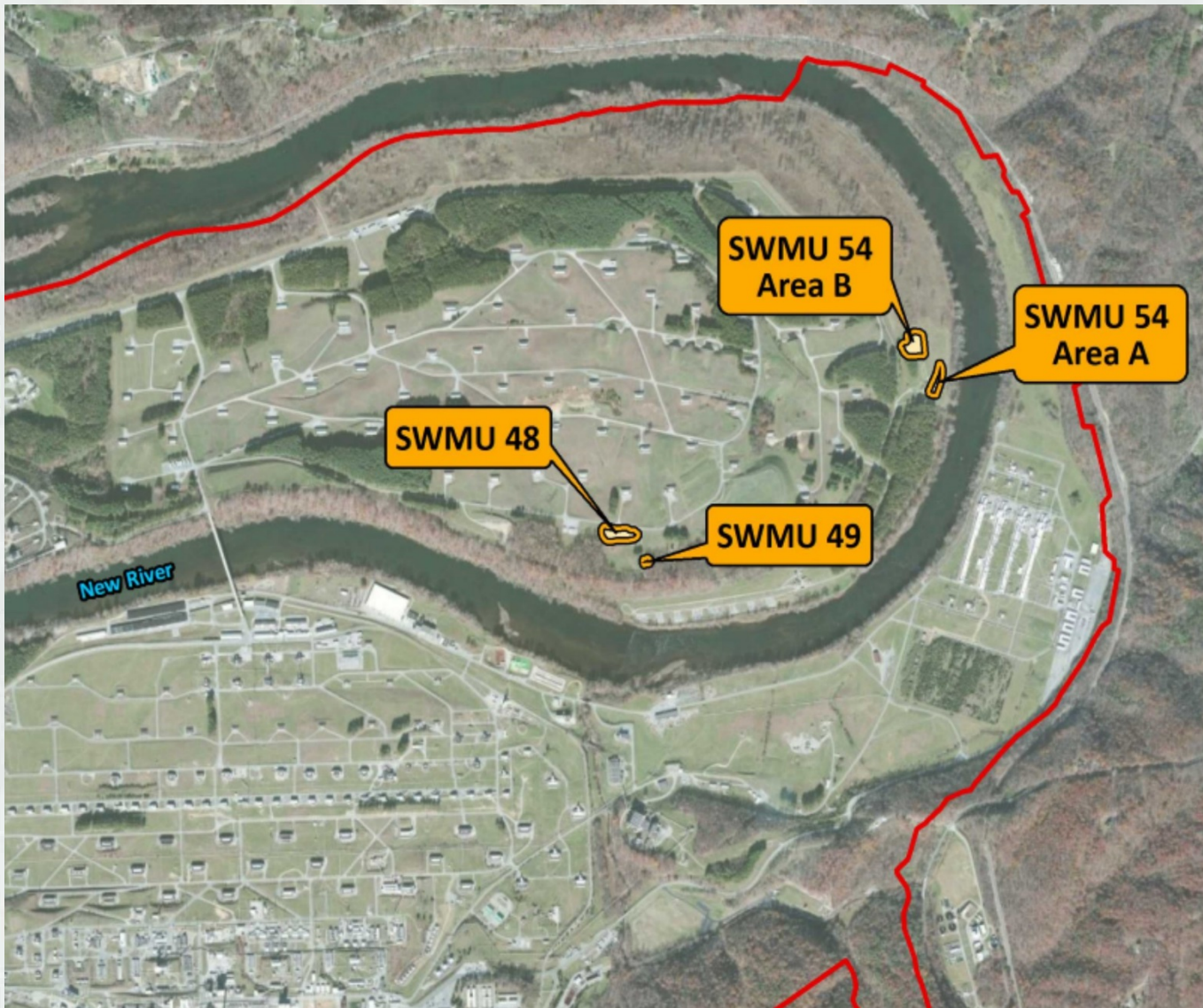


Monitored Natural Attenuation Monitoring at SWMU 48/49 and SWMU 54





BUILDING STRONG

SWMU 48 – Oily Water Burial Area and SWMU 49 – Red Water Ash Burial Area No. 2

- Sites are adjacent to each other
 - SWMU 48 consists of two unlined trenches where an estimated 200,000 gallons of oily wastewater was reportedly disposed.
 - SWMU 49 consists of a small clearing adjacent to a dirt road.
- Areas are considered combined study area due to some degree of cross disposal.
- Several previous investigations were conducted at SWMU 48/49, including a RCRA Facility Investigation (2014) by Shaw.
 - Developed Corrective Measures Objectives and Remedial Goals for chemicals of concern (CT and TCE).
- Monitored Natural Attenuation is currently being performed at the site.
 - 11 groundwater wells are sampled quarterly and 4 groundwater wells are sampled annually for CT, TCE, and MNA indicators with an annual report.
 - Year One Report was submitted for regulatory review.



SWMU 54 – Propellant Burning Ash Disposal Area

- The site consists of two non-contiguous disposal areas.
- Excavation of soil, off-site disposal, and MNA of groundwater were selected as primary remediation process to achieve corrective measures objectives.
- Approximately 12,678.65 tons of soil contaminated with explosives and metal were removed from the disposal areas in October 2010.
- Monitored Natural Attenuation currently being performed at site on quarterly basis; Years 1 through 4 are complete.
 - 14 groundwater wells sampled during Quarters 1 through 9 for explosives, perchlorate, and MNA indicators.
 - The latest data indicates limited biodegradation of explosives is occurring at 3 downgradient wells; perchlorate concentrations detected below the remediation goal and showed steady decline in concentrations.
 - Sampling was reduced to 3 downgradient wells and 1 upgradient well during Quarters 10 through 12 for explosives, perchlorate, MNA indicators, and RDX degradation products.
 - The Year 3 Report recommended continued quarterly monitoring of 3 downgradient wells and 1 upgradient well.
 - Year 4 Report was submitted for regulatory review.

