Land Use Control (LUC) Management at CJAG/Former RVAAP

Presented by Al Brillinger

Chenega Tri-Services, LLC

LUC Definition and Purpose

- Land Use Controls (LUCs)
 - Used at cleanup sites as part of the remedy where residual contamination remains at the site above residential/unrestricted use
 - May consist of:
 - Administrative and legal controls
 - Engineered and physical barriers
 - LUCs minimize the potential for receptor exposure to residual contamination and are designed to work by limiting or controlling land and/or resource use or by providing information that helps modify or guide human behavior at a site.
 - Memorialized in a Property Management Plan (PMP)

PMP purpose

- The Property Management Plan (PMP) memorializes LUCs for specific Areas of Concern/Munitions Response Sites (AOCs/MRSs) at CJAG/Former RVAAP.
- The PMP provides mechanisms to implement and manage LUCs at the facility.

Administrative LUCs

- Use restrictions
- Training requirements
- Excavation and digging restrictions
- No groundwater use or extraction, except for sampling purposes
- Exposure tracking
- Annual inspections and reporting

Engineering LUCs

- Fencing
- Permanent warning signs
- Landfill caps
- Siebert stakes

LUCs common to all LUC sites

- LUC awareness training for facility personnel
- No residential usage
- Annual inspection and reporting

Annual LUC Inspection Report

2020 Annual Land Use Control Monitoring Report, RVAAP-01 Ramsdell Quarry Landfill RVAAP-05 Winklepeck Burning Grounds, RVAAP-08 through RVAAP-11 (Load Lines 1 through 4), RVAAP-12 (Load Line 12) and RVAAP-51 (Dump Along Paris-Windham Camp James A. Garfield Joint Military Training Center Former Ravenna Army Ammunition Plant Portage and Trumbull Counties, Ohio Contract No. W912QR-18-C-0013 Prepared for U.S. Army Corps of Engineers CHENEGA* TRI-SERVICES, LLC May 24, 2021

- Annual Inspection of LUCs at all sites
- Verifies compliance and documents any deficiencies
- Submitted to Ohio EPA

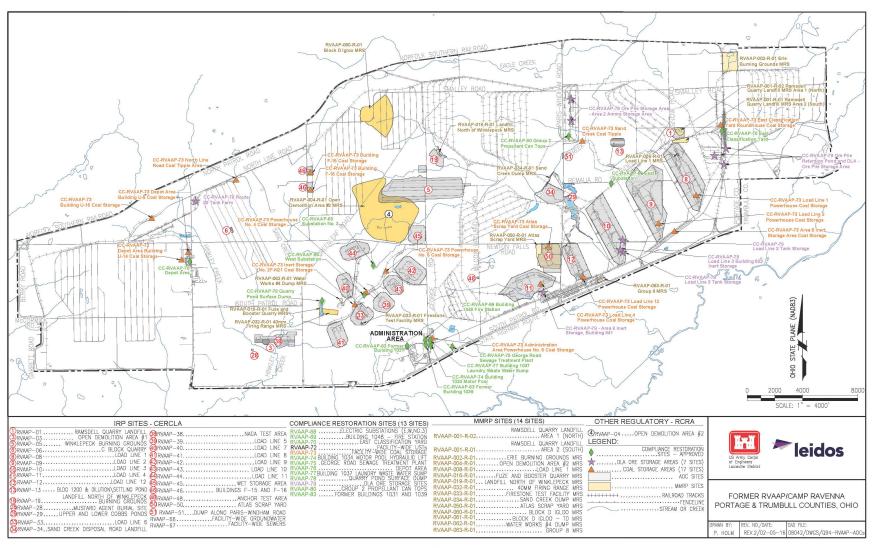
Five Year Review

- Purpose Provide an opportunity to evaluate the implementation and performance of a remedy to determine whether it remains protective of human health and the environment.
- Two five-year reviews have been completed at CJAG/former RVAAP; A third five-year review is Underway (to be completed in August 2022).

LUC Sites at CJAG/Former RVAAP

- Ramsdell Quarry Landfill
- Winklepeck Burning Grounds
- Dump Along Paris-Windham Road
- Load Lines 1, 2, 3, 4, and 12

Map of CJAG/Former RVAAP LUC Sites



Ramsdell Quarry Landfill (RQL)

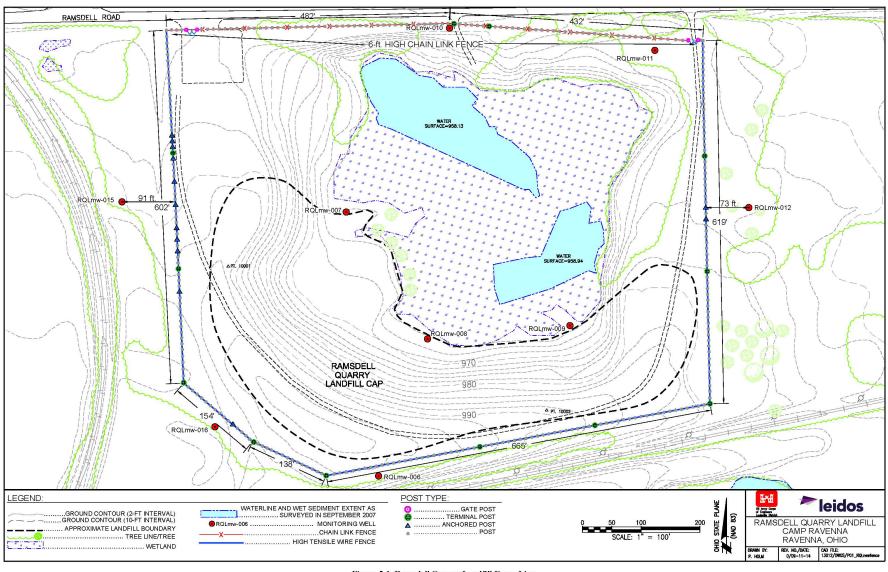


Figure 5-1. Ramsdell Quarry Landfill Fence Line

TAB RVAAP-01

RQL Site-Specific LUCs – Restricted Access Site

- Maintain 6-foot high chain-link fence along the northern boundary. Maintain five-strand, high tensile wire fence at the eastern, southern, and western perimeters.
- All digging or excavation in the quarry bottom is prohibited.
- Digging and excavation on the landfill cap is regulated by the Ohio solid waste regulations.
- Permanent warning signs around RQL on the gates and chain-link and high tensile wire fence at 300 ft centers to warn of the possible asbestos hazard in the quarry bottom.
- Any personnel entering RQL will be briefed of the LUCs.
- Restricted access (no military training) and access tracking (sign-in and sign-out)

RQL Main gate, showing warning signs and 6-foot high chain-link fence



RQL looking south from NW corner



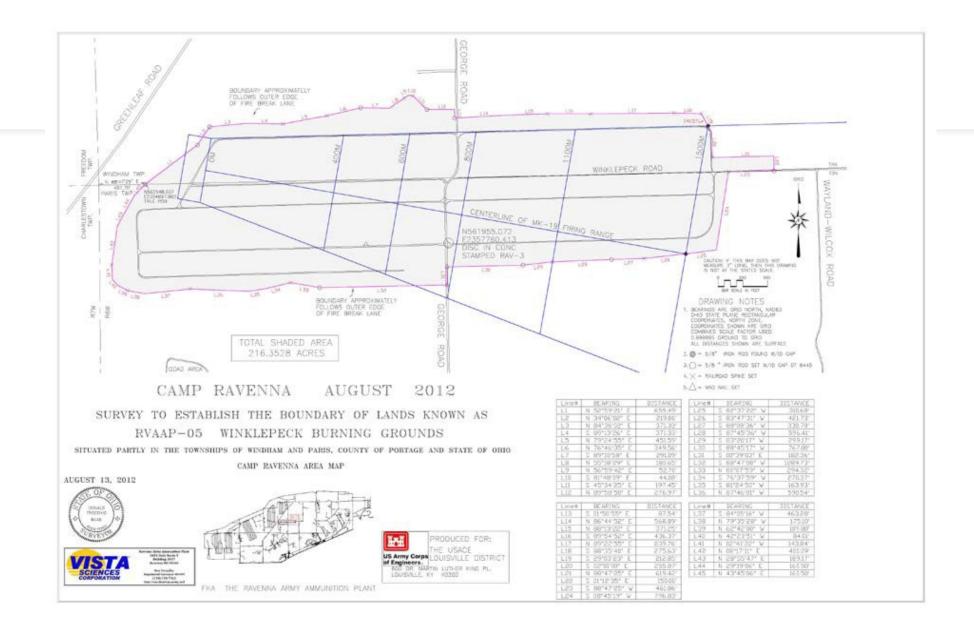
RQL south portion, looking east



RQL eastern fence line with 5-wire fence



Winklepeck Burning Grounds (WBG)



Winklepeck
Burning Grounds
(WBG) SiteSpecific LUCs –
Commercial/
Industrial Use
Site

- No Residential Use
- Groundwater Use restriction except for sampling and well maintenance or closure

WBG south gate



WBG looking east

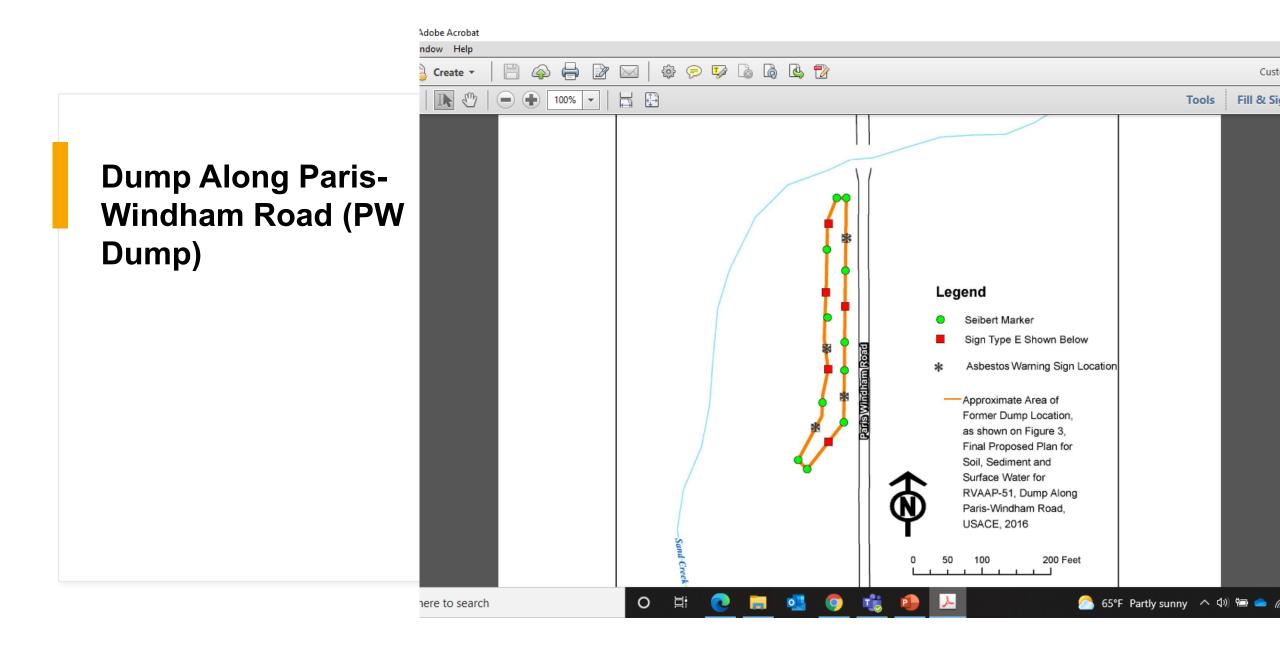


WBG looking north



WBG looking west





PW Dump Site-Specific LUCs – Restricted Access Site

- All digging or excavation within the AOC is prohibited.
- Restricted access (no military training)
- Seibert stakes, Warning signs and Asbestos Waste Disposal warning signs - posted every 300 feet around the AOC perimeter to restrict access

PW Dump -Looking North



PW Dump-Asbestos Warning Sign



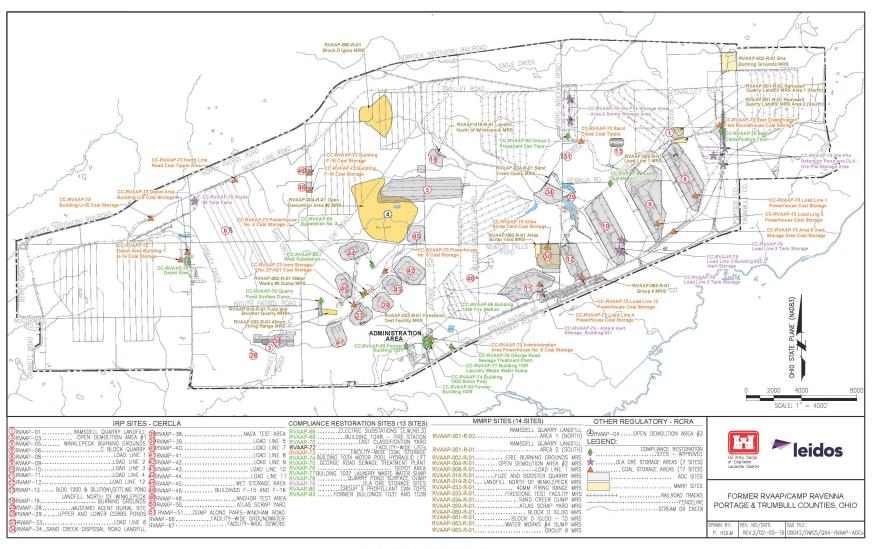
PW Dump – Seibert Stake and Warning Sign



PW Dump – General View



Map of CJAG/Former RVAAP LUC Sites, including Load Lines 1, 2, 3, 4 and 12



LL1-4 and 12
Site-Specific
LUCs –
Commercial/
Industrial Use
Site

- Sites were Restricted Access until the recent completion of an additional remedial action in 2021 (soil excavation with thermal treatment or disposal)
- No residential use

Recent Remedial Activities



LL1 looking north



LL2 east side looking north



LL3 east side looking north



LL4 east gate



LL4 central part of site



LL12 north gate



LL12 central part of site



Questions?

