



# Haws Crossroads Weekend Equipment Training Site, Tennessee

November 2022

## Background

DoD uses and manages operational ranges to support national security objectives and maintain the high state of operational readiness essential to its mission requirements. The Department conducts non-regulatory, proactive, and comprehensive operational range assessments (ORAs) to support the long-term sustainability of these ranges while protecting human health and the environment. The purpose of an ORA is to determine if there is a release or substantial threat of a release of munitions constituents (MC) from an operational range to an off-range area that exceeds an applicable regulatory standard or creates a potential unacceptable risk to human health or the environment.

The Army ORA effort was developed to address DoD requirements detailed in DoD Directive 4715.11 (10 May 2004) and DoD Instruction 4715.14 (15 November 2018). The overall objective of the ORA is to assess operational ranges/range complexes to determine if an off-range MC release or substantial threat of an off-range MC release exists; if an off-range MC release exists, does it exceed an applicable regulatory reporting standard; and if an MC release or substantial threat of a release exists, determine whether it creates a potentially unacceptable risk to off-range human health or the environment. Army ORAs assess potential off-range migration of MC along surface water system and groundwater migration pathways.

## Installation Overview

The U.S. Army Reserve owns and maintains the 195.25-acre training site near Haws Crossroads, which is 14.5 miles northeast of Johnson City, Tennessee. The land was acquired in 1977 and it has been used for military exercises during weekend drills and home station annual training periods. Large vehicle maneuver training is conducted within the one maneuver training area. No live-fire munitions have ever been used on the site.

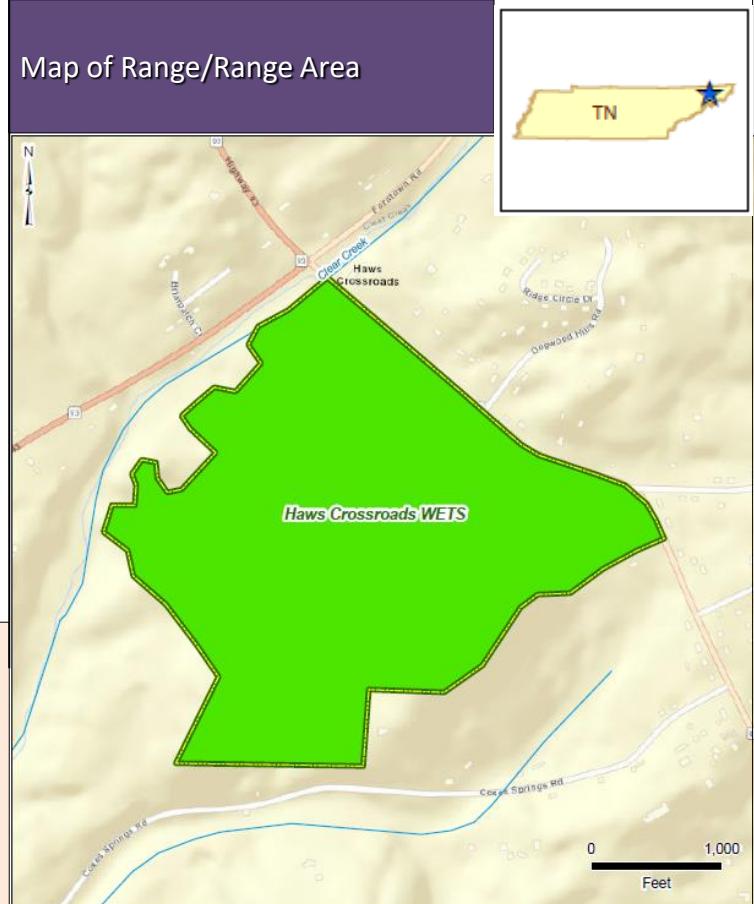
## Operational Range Assessment Findings (11/2022)

Based on updated data, no off-range MC release or substantial threat of an off-range MC release currently exists. The operational range remains categorized as Unlikely.

## Next Steps

The installation's operational range should be included in the FY23-27 cycle of ORAs to meet DoD Policy (DoDI 4715.14) re-assessment requirements.

## Map of Range/Range Area



## Installation Data

Installation Boundary

## Range Conclusions

Unlikely

### Previous Assessments

The 2008 Phase I Qualitative Assessment for Haws Crossroads WETS consisted of collecting, evaluating, and presenting available data to establish if there is an interaction between the on-range sources of munitions constituents of concern (MCOC) and off-range receptors (source/receptor interaction).

During the Phase I assessment, Haws Crossroads WETS included one operational maneuver training area range, totaling 195.25 acres. The maneuver training area was primarily used for large vehicle training and no live-fire munitions had ever been used on the site. As a result, the site was categorized as Unlikely to have a source/receptor interaction.

In 2016, the Periodic Review was conducted to re-evaluate the conclusions of the 2008 Phase I and to determine whether the source, pathways, and receptor evaluation completed during the initial assessment remain valid.

At the completion of the teleconference and subsequent data collection efforts during the Periodic Review, all new data and information obtained was evaluated for comparison with the information reflected in the Phase I. The primary findings of the Periodic Review were as follows:

- No change in the operational range area/layout or the installation boundary since the Phase I.
- No ranges added or removed from the operational inventory since the Phase I.
- No use of live-fire munitions or small caliber blanks since the Phase I or prior to the Phase I.
- It was confirmed that the source-pathway-receptor is incomplete because no military munitions (live-fire or non-live-fire) were used during training exercises on the installation.

Based on current and historical military munitions usage at Haws Crossroads WETS and a review of potential migration pathways and potential human or ecological receptors, the one range was identified as being unlikely to have potential MCOC migrate off-

range and affect human or ecological receptors.

### Basic Assessment

The Basic Assessment is a periodic re-assessment of operational ranges to determine whether there are releases or substantial threat of releases of MC to off-range areas and whether MC migration poses an unacceptable risk to human health or the environment. This Basic Assessment was performed to collect new data generated since the prior ORA, evaluate that data, review and evaluate the prior ORA, refine the conceptual site model (CSM) and identify whether a migration and/or unacceptable risk exists while also either confirming or disproving the previous ORA conclusion.

At the completion of the teleconference and subsequent data collection efforts during the Basic Assessment, all new data and information obtained was evaluated to update the CSM. Interviews with Haws Crossroads WETS personnel confirmed that the range layout is consistent with the 2016 Periodic Review findings and no new ranges have been constructed on the installation.

The site is used for heavy equipment operations (digging, pushing, and back dragging of soil). No live-fire munitions use occurs; however, the U.S. Marines use small caliber blanks for force-on-force training. ROTC uses the site for bivouac and map reading. There are no plans to modify the operational range area for live-fire use. As no munitions are currently or have historically been used at Haws Crossroads WETS, there is no source of MCOC.

Clear Creek flows adjacent to the northern/northwestern boundary of the installation; however, no defined channels were identified within the installation. Installation personnel confirmed there are no reports of endangered species at Haws Crossroads WETS.

No changes to the CSM occurred as a result of data collection and evaluation during this assessment cycle; therefore, the one operational range remains categorized as Unlikely.

**For more information on Haws Crossroads WETS, contact the 81<sup>st</sup> Readiness Division Public Affairs at (803) 751-9694**  
**For more information on the DoD Operational Range Assessment Program visit <https://www.denix.osd.mil/orap/home/>**