

**FINAL
OPERATIONAL RANGE ASSESSMENT PROGRAM
PHASE I QUALITATIVE ASSESSMENT REPORT
SPRINGFIELD TRAINING SITE (CAMP LINCOLN)
SPRINGFIELD, ILLINOIS**

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ABBREVIATIONS/ACRONYMS

ARID-GEO	Army Range Inventory Database-Geodatabase
ARNG	Army National Guard
bgs	Below Ground Surface
CSM	Conceptual Site Model
CWLP	City Water, Light, and Power
DMAIL	Illinois Department of Military Affairs
DoD	Department of Defense
DODI	Department of Defense Instruction
E	Ecological receptors identified. (This refers to range grouping; pathway designation always precedes E designation.)
GIS	Geographic Information System
GW	Groundwater pathway identified. (This refers to range grouping; M designation always precedes GW designation.)
H	Human receptors identified. (This refers to range grouping; pathway designation always precedes H designation.)
IEPA	Illinois Environmental Protection Agency
IL	Illinois
LS	Limited Source
M	Munitions used. (This refers to range grouping; M designation always precedes applicable pathway.)
MCOC	Munitions Constituents of Concern
mg/kg	Milligrams per Kilogram
MPU	Munitions used. Pathway unlikely.
msl	Mean Sea Level
MTA	Maneuver and Training Area
NG	Nitroglycerin
ORAP	Operational Range Assessment Program
PU	Pathway unlikely or incomplete. (This refers to range grouping; M designation always precedes PU designation.)
RDC	Residential Direct Contact
RFMSS	Range Facility Management Support System
SW	Surface water pathway identified. (This refers to range grouping; M designation always precedes SW designation.)
T&E	Threatened and Endangered
TACO	Tiered Approach to Correction Action Objective
TCLP	Toxicity Characteristic Leaching Procedure
U.S.	United States
USACE	United States Army Corps of Engineers
USACHPPM	United States Army Center for Health Promotion and Preventive Medicine
USAEC	United States Army Environmental Command
USEPA	United States Environmental Protection Agency
USGS	United States Geological Survey
WPA	Work Projects Administration
WWI	World War I
XRF	X-ray Fluorescence
°F	Degrees Fahrenheit

EXECUTIVE SUMMARY

The United States (U.S.) Army is conducting qualitative assessments at operational ranges to meet the requirements of Department of Defense policy and to support the U.S. Army Sustainable Range Program. The operational range qualitative assessment (hereinafter referred to as Phase I Assessment) is the first phase of the U.S. Army Operational Range Assessment Program. This Phase I Assessment evaluates the operational range area at Springfield Training Site (Camp Lincoln) to assess whether further investigation is needed to determine if potential munitions constituents of concern (MCOC) are or could be migrating off-range at levels that may pose an unacceptable risk to human health or the environment. In conducting the Phase I Assessment, MCOC sources, potential off-range migration pathways, and potential off-range human and ecological receptors are evaluated as appropriate.

An Operational Range Inventory Sustainment update was submitted to the U.S. Army Environmental Command in January 2006 (ARID-GEO [2006]). Within the ARID-GEO (2006), the training site is referred to as Springfield Training Site; however, it is commonly referred to as Camp Lincoln. Therefore, for the purposes of this Phase I Assessment, the training site is identified as Springfield Training Site (Camp Lincoln). According to ARID-GEO (2006), Springfield Training Site (Camp Lincoln) occupies approximately 162 acres. However, the legal description states that the training site is 160 acres; therefore, this acreage will be used throughout this Phase I Assessment (Environmental Section Chief, pers. comm. 2007).

Springfield Training Site (Camp Lincoln) occupies approximately 160 acres in Sangamon County, Illinois. The training site lies along the northwestern boundary of, Springfield, Illinois, south of Illinois Route 4 and west of Illinois Route 29. Springfield Training Site (Camp Lincoln) serves as the headquarters for the Illinois Department of Military Affairs (DMAIL). DMAIL oversees and manages the daily operations of the Illinois National Guard and its related activities and serves as a channel of communication between the federal government and the State of Illinois on all matters relating to the Illinois National Guard.

ARID-GEO (2006) identified six operational range areas encompassing a total of approximately 99 acres. A total of 61 acres was identified as other than operational acreage. Two types of training activities occur at Springfield Training Site (Camp Lincoln): small arms firing and maneuver and training exercises. The Illinois Army National Guard, along with various county, state, and federal agencies, uses Springfield Training Site (Camp Lincoln) for small arms training.

The six operational ranges at Springfield Training Site (Camp Lincoln) are categorized as Unlikely.

Unlikely – Five-Year Review

The six ranges at Springfield Training Site (Camp Lincoln) are categorized as Unlikely, totaling approximately 99 acres. These ranges consist of two small arms ranges, two concrete pads, and two maneuver and training areas. One of the concrete pads is used as a helicopter landing pad and the other is used for maneuver and training exercises. Ranges where, based upon a review of readily available information, there is sufficient evidence to show that there are no known releases or source-receptor interactions on ranges that could present an unacceptable risk to human health or the environment are categorized as Unlikely. Ranges categorized as Unlikely are required to be re-evaluated at least every five years. Re-evaluation may occur sooner if significant changes (e.g., change in range operations or site conditions, regulatory changes) occur that affect determinations made during this Phase I Assessment.

Table ES-1 summarizes the Phase I Assessment findings.

Table ES-1: Summary of Findings and Conclusions for Springfield Training Site (Camp Lincoln)

Category	Total Number of Ranges and Acreage	Source(s)	Pathway(s)	Human Receptors	Ecological Receptors	Conclusions and Rationale
Unlikely	Four operational ranges; 99 acres	Small arms berm, target areas, historical rifle range	Incomplete pathway (lead sampling indicates limited migration)	Not evaluated (no potentially complete pathways were identified)		Re-evaluate during the five-year review. No potentially complete pathways were identified.
	Two operational ranges; 0.14 acres	No source – no military munitions use	Not evaluated (no source was identified)		Re-evaluate during the five-year review. No source was identified.	