

**FINAL  
OPERATIONAL RANGE ASSESSMENT PROGRAM  
PHASE I QUALITATIVE ASSESSMENT REPORT  
STRASBURG DROP ZONE  
STRASBURG, COLORADO**

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Prepared for:

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## ABBREVIATIONS/ACRONYMS

amsl	Above Mean Sea Level
ARID-GEO	Army Range Inventory Database-Geodatabase
bgs	Below Ground Surface
CGDA	Colorado Gun Dog Association
COARNG	Colorado Army National Guard
CSM	Conceptual Site Model
DoD	Department of Defense
DODI	Department of Defense Instruction
DZ	Drop Zone
E	Ecological receptors identified. (This refers to range grouping; pathway designation always precedes E designation.)
gpm	Gallons per Minute
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.)
HUC	Hydrologic Unit Code
JFHQ-CO	Joint Force Headquarters–Colorado
LS	Limited Source
M	Munitions used. (This refers to range grouping; M designation always precedes applicable pathway.)
MCOC	Munitions Constituents of Concern
ORAP	Operational Range Assessment Program
PU	Pathway unlikely or incomplete. (This refers to range grouping; M designation always precedes PU designation.)
RFMSS	Range Facility Management Support System
SW	Surface water pathway identified. (This refers to range grouping; M designation always precedes SW designation.)
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
°F	Degrees Fahrenheit

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## 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 Strasburg Drop Zone (DZ) to assess whether further investigation is needed to determine if potential munitions constituents of concern (MCO) 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, MCO sources, potential off-range migration pathways, and potential off-range human and ecological receptors are evaluated as appropriate.

Strasburg DZ is located in central Colorado within Adams County. The installation lies north of Highway 36, approximately one mile east of Strasburg, Colorado. Strasburg DZ is located on farmland that is privately owned. The Colorado Gun Dog Association uses the property occasionally for trials and events, and members are allowed to train on the land. Minimal munitions are used by the group.

As part of the Operational Range Inventory Sustainment, an update to the Army Range Inventory Database-Geodatabase (ARID-GEO) was submitted to the U.S. Army Environmental Command in January 2006. ARID-GEO (2005) indicates that Strasburg DZ consists of one personnel and equipment DZ encompassing approximately 946.65 acres. Training activities involve parachuting exercises. There is no other than operational area at Strasburg DZ.

A review of available records and background data, as well as interviews with Colorado Army National Guard (COARNG) personnel, indicated that the COARNG obtained approval in February 1983 to use the land as a DZ. The site is used as a DZ approximately twice each year, and the most recent use occurred between 2005 and 2007 (COARNG State Command Sergeant Major, pers. comm.; Strasburg DZ Landowner, pers. comm.). Pyrotechnics occasionally are used during exercises and are placed in drums or coffee cans to limit the risk of fires. A maximum of six pyrotechnics are used per year; therefore, only limited sources of MCO are present at Strasburg DZ (COARNG State Command Sergeant Major, pers. comm.). Because there is a limited source, potential off-range migration pathways and potential off-range human and ecological receptors were not evaluated.

The one operational range at Strasburg DZ is categorized as Unlikely.

### **Unlikely – Five-Year Review**

The single range at Strasburg DZ is categorized as Unlikely, totaling 946.65 acres. This range consists of a personnel and equipment DZ. 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 off-range 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 Strasburg DZ**

Category	Total Number of Ranges and Acreage	Source(s)	Pathway(s)	Human Receptors	Ecological Receptors	Conclusions and Rationale	
Unlikely	One operational range; 946.65 acres	Limited source—limited military munitions use				Not evaluated (limited source identified)	Re-evaluate during the five-year review. A limited source was identified.