



FINAL

Operational Range Assessment Program
Phase I Qualitative Assessment Report
Joint Force Training Base Los Alamitos, California
U.S. Army Operational Range Assessment Program
Qualitative Operational Range Assessments

Prepared for:

U.S. Army Environmental Command and
U.S. Army Corps of Engineers Baltimore District



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Final Operational Range Assessment Program Phase I Qualitative Assessment Range Assessment Reports will be released beginning in March 2008 per the Direction of Army Headquarters. The cover page of this Report reflects the official finalization date. The date on subsequent pages/figures reflects the date upon which this document's conclusions are based.



ABBREVIATIONS/ACRONYMS

ARID-GEO	Army Range Inventory Database-Geodatabase
CAARNG	California Army National Guard
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CSM	Conceptual Site Model
DNT	Dinitrotoluene
DoD	Department of Defense
DODI	Department of Defense Instruction
E	Ecological receptors identified. (This refers to range grouping; pathway designation always precedes E designation.)
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.)
HMX	Cyclotetramethylenetetranitramine
JFTB	Joint Force Training Base
LS	Limited Source.
M	Munitions used. (This refers to range grouping; M designation always precedes applicable pathway.)
MCOG	Munitions Constituents of Concern
MWDOC	Municipal Water District of Orange County
OCWD	Orange County Water District
ORAP	Operational Range Assessment Program
PETN	Pentaerythritoltetranitrate
PU	Pathway unlikely or incomplete. (This refers to range grouping; M designation always precedes PU designation.)
RDX	Cyclotrimethylenetrinitramine
RFMSS	Range Facility Management Support System
SW	Surface water pathway identified. (This refers to range grouping; M designation always precedes SW designation.)
TNT	Trinitrotoluene
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

EXECUTIVE SUMMARY

The United States (U.S.) Army is conducting qualitative assessments at operational ranges to meet the requirements of Department of Defense (DoD) 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 areas at Joint Force Training Base (JFTB) Los Alamitos 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.

JFTB Los Alamitos is located in Orange County, California in the city of Los Alamitos. The facility consists of approximately 1,300 acres of near flat terrain, and is the only military airfield remaining in the Greater Los Angeles area. The primary mission of JFTB Los Alamitos is to serve as a training area for the California Army National Guard; other DoD active duty and Reserve Components units; and other federal, state, and local government law enforcement agencies.

An Operational Range Inventory Sustainment update was submitted to the U.S. Army Environmental Command in November 2006 (Army Range Inventory Database-Geodatabase [ARID-GEO], 2006). ARID-GEO (2006) identified 12 operational range areas encompassing a total of 407.88 acres. Two types of training activities occur at JFTB Los Alamitos: multiple use range (fixed/rotary wing runway) and non-live-fire training areas. The site is used primarily during inactive duty training weekends and, occasionally, for extended weekday periods, up to and including 15-day annual training periods.

Interviews with site personnel (Range Control and Training personnel) indicated that no live-fire training was conducted at JFTB Los Alamitos. Munitions use is limited to the use of smoke rounds during training in drop zones located at the facility. The smoke rounds are used less than 10 days per year thereby limiting the source of potential MCOC.

Based on data collected during the Phase I Assessment regarding current and historical MCOC sources, potential migration pathways from ranges, and potential off-range human and/or ecological receptors, the 12 operational ranges at JFTB Los Alamitos have been placed into the following range grouping.

Unlikely – Five-Year Review

Twelve ranges at JFTB Los Alamitos are categorized as Unlikely, totaling 407.88 acres. These ranges consist of one fixed/rotary wing runway and 11 maneuver and training areas. 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 JFTB Los Alamitos

Category	Total Number of Ranges and Acreage	Source(s)	Pathway(s)	Human Receptors	Ecological Receptors	Conclusions and Rationale
Unlikely	12 operational ranges; 407.88 acres	No source – limited or no military munitions use				Not evaluated (no source was identified) Re-evaluate during the five-year review. No source was identified.