

From: [Cherry, Robert N CIV USARMY IMCOM HQ \(US\)](#)
To: [Snyder, Amy](#)
Subject: [External_Sender] RE: [Non-DoD Source] Question Regarding Davy Crockett Fort Knox KY M101 Impact Ranges and do you have any additional comments on the Draft License Conditions
Date: Friday, January 29, 2016 2:15:59 PM

Amy,

Catching up on emails after my Fort Carson visit. I saw an email come from you a few minutes ago. I will look at that one next.

[off at 2:30 today for HPS mid-year meeting, but I will look at rest of emails in Austin as time permits]

Here is the direct quote from the Archive Search Report for Fort Knox:

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Units garrisoned at Fort Knox fired their Davy Crockett weapons into the Impact Area from the Arms Knob Ranges and from the O'Brien Range in the vicinity of the Garvin/O'Brien/Lawley Range complex. Davy Crockett M29 launch pistons were found during an inspection of the O'Brien Range and Impact Area.

Based on their size and location, other ranges (i.e., the Hackett, Dorrets, Lawley, and Garvin Ranges) could have safely accommodated the use of the Davy Crockett Weapon System. No documents were found, however, to confirm the use of the weapon system at these ranges. Similarly, no documents were found that would support the use of the weapon at the Armor Board Test Area.

Summary

The Davy Crockett Weapon System was fielded and fired at Fort Knox, Kentucky. A direct shipment of 3,956 Cartridges, 20mm Spotting M101 to Fort Knox was made in 1961. The Davy Crockett weapon was fired at the Arms Knob and O'Brien Ranges. Davy Crockett ammunition debris could be present on the ranges.

The degree of confidence in the above conclusions is HIGH.

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So, we are asking the NRC to include only the M101 impact areas on the Arms Knob and O'Brien ranges. If I made that earlier submission, I apologize for the miscommunication. I don't recall sending that, but knowing myself, I might have.

Other than the minor typos I noted, we have no other comments. I solicited our DU group and they had nothing to add.

Bob

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-----Original Message-----

From: Snyder, Amy [<mailto:Amy.Snyder@nrc.gov>]

Sent: Tuesday, January 26, 2016 11:23 AM

To: Cherry, Robert N CIV USARMY IMCOM HQ (US) <robert.n.cherry.civ@mail.mil>

Subject: [Non-DoD Source] Question Regarding Davy Crockett Fort Knox KY M101

Impact Ranges and do you have any additional comments on the Draft License Conditions

Bob,

Working at home today. Using the Army's Dec 31, 2015 submittal, I checked my table of Davy Crockett DU sites.

I updated it but have a question, what happened to the Garvin Range, Hackett Range, and Dorret's Run Ranges at Fort Knox KY? These ranges were identified in the Army's earlier submittals? Please clarify.

ALSO- do you have any additional comments on the draft license conditions? If not, do you agree with them?

Thank you

A

Table 1, Location and No. of Sites⁶ With Depleted Uranium From Davy Crockett M101 Spotting Rounds at Each Army Installation

Army Installation	Nearest City	Number of Sites	and Range Name(s)
1 Donnelly Training Area, Fort Wainwright	AK7 Fairbanks	1	(GEORGIA RANGE)
2 Fort Benning	GA Columbus	9	(HOOK RANGE, PATTON RANGE, BUCHANAN RANGE, COOLIDGE RANGE, BRANN RANGE, Z-4 (LAE) FIELD RANGE, K-18 RANGE (CACTUS OP), K-15 RANGE (CONCORD OP/DUD AREA), and BURMA HILL RANGE (DEMO AREA))
3 Fort Bragg	NC Layette	1	(OP 5 RANGE)
4 Fort Campbell	KY8 Clarksville	1	(OP2/OP3)
5 Fort Carson	CO9 Colorado Springs	2	(RANGE 141, and BATTALION FIELD TRAINING AREA)
6 Fort Gordon	GA Augusta	1	(RANGE E)
7 Fort Hood	TX Killeen	1	(DAVY CROCKETT RANGE)
8 Fort Hunter Liggett	CA Monterey	3	(RANGE C8, RANGE B11, and RANGE B13)
9 Fort Jackson	SC Columbia	1	(RANGE 62)
10 Fort Knox	KY Fort Knox	4	(ARMS KNOB RANGES (2), LAWLEY RANGE, O'BRIEN RANGE10) Garvin Range, Hackett Range, Dorret's Run,)
11 Fort Polk	LA Leesburg	2	(RANGE 33 and RANGE 34A)
12 Fort Riley	KS Junction City	3	(RANGES 27A &27B, RANGE 18 A, B, & C, and RANGE 19)
13 Fort Sill	OK Lawton	1	(FP 182/WEST RANGE IMPACT AREA)
14 Joint Base Lewis-McChord and the Yakima Training Center	WA Tacoma	6	(52, OP8, OP9, #14, #17, and #20)
15 Joint Base McGuire-Dix-Lakehurst	NJ Trenton	1	

(FRANKFORD ARSENAL RANGE)

16 Schofield Barracks (Oahu)/ Pohakuloa Training Area (Hawaii) HI11
Honolulu

Between Kona and Hilo

1 (The M101 Impact Area at Schofield Barracks was not named)

4 (Area 1, Area 2, Area 3, and Area 4)

[M101 Impact Areas at Pohakuloa Training]

TOTAL 42 sites proposed under Source Materials License
SUC-1593 (specific license)

3 sites located at Fort Carson proposed under a General License

6 The Army refers to the sites that have DU from the Davy Crockett M101 spotting rounds as M101 impact areas, radiation control areas, or sites in its application.

7 Radiation Control Area was formerly part of Fort Greely AK, now under administrative control of Fort Wainwright AK

8 The M101 target zone/impact area is in Tennessee.

9 The Army requested that the 3 sites at Titus and Sergeants Roads be licensed under a General License.

10 M101 firing was on the O'Brien (aka O'Brein) Range.

11 The Army considers the Schofield Barracks and the Pohakuloa Training Area as one Army installation, similar to joint bases, for licensing purposes.

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