

From: [Snyder, Amy](#)
To: [Cherry, Robert N CIV USARMY IMCOM HQ \(US\) \(robert.n.cherry.civ@mail.mil\)](mailto:robert.n.cherry.civ@mail.mil)
Subject: ACTION: REQUEST CLARIFICATION REGARDIGN DECOMMISSIONING FUNDING PLAN and Fort Riley KS
Date: Wednesday, February 10, 2016 11:34:00 AM

Hi Bob,

Please clarify the M101 impact areas at Fort Riley KS.

In Army's January 8, 2016 submittal (dated December 31, 2015, ML16022A161, there are two maps for Fort Riley KS.

On page 18 of 23, on the first map, the caption says "only Range 27 is an M101 Impact area." and the above the caption identifies "Range 29" and "Ranges 27A and 27B".

The NRC estimates that the area that Range "27A and 27 B" covers is 1.0 km² for the M101 Impact Area Maps that the Army provided on January 8, 2016 (ML 16022A61).

Below the caption, "only Range 27 is an M101 impact area," there is another map for Fort Riley KS which identifies two overlapping ranges identified as "Range 18A, B & C," and "Ranges 27A and 27B." Underneath the second map is a caption stating "On this figure and in the Caption, "Range 27" should read "Ranges 19." The NRC notes that these two ranges overlap.

The NRC estimates that the area that these two overlapping ranges cover is approximately 1.0 km².

In attachment 4 of the September 30, 2015 RAI response (ML15294A276), for Fort Riley KS, "The following are summaries from installation-specific ASRs [Archive Search Report, USACE St. Louis 2011]".... And Page 7 of 8 it states:

"Fort Riley KS

The Davy Crockett Weapon System was fielded and fired at Fort Riley. The following facts support this conclusion:

A shipment of 105 Cartridges, 20mm Spotting M101 was sent to Fort Riley as recorded on DD Form 550 (obsolete). Fourteen Light Weapons M28 were issued to Fort Riley units as documented on a serial number inventory of weapons. Cartridge, 20mm Spotting M1 01 was confirmed as fired at Range 29 by a Fort Riley Post newsletter article. A 1963 map specifically identifies a Davy Crockett Range (former Range 27B). The Davy Crockett was possibly used on Range Series 18 and 19 during demonstrations and recoilless rifle firing. The degree of confidence in the above conclusions is HIGH."

Therefore, it appears that the sites (M101 Impact Areas) at Fort Riley KS are:

"Range 27A and 27B" on the first map (1 range) covering an area of about. 1 km²

"Range 18A, B & C" on the second map (1 range), and

"Ranges 19A & 19B" on the second map (1 range) these two ranges overlap and covers an area of about 1 km²

For a total of three (3) ranges covering a total of 2 m².

However, the decommissioning funding plan (DFP), dated Feb 9, 2016, states for Fort Riley KS in Table A.1, "Total Estimated Cost," on page 7 of 17 that there are only two ranges: "[27A and 27B] and 29 (two ranges)" covering an estimated area of 2.0 km²

It appears that the total area of 2 km² is consistent with the Army's M101 impact areas maps and Archive Search Report (ASR) information, but the **number and names** of the Fort Riley M101 ranges in the Decommissioning Funding Plan, dated February 8, 2016, does not.

Please clarify the name, location, and area that the ranges cover for Fort Riley KS and whether the cost estimate in DFP, dated February 8, 2016 is impacted.

An email response is acceptable.

Thank you

Amy

Amy Snyder, Senior Project Manager
Materials Decommissioning Branch (MDB)
Division of Decommissioning, Uranium Recovery, and Waste Programs (DUWP)
Office of Nuclear Material Safety and Safeguards (NMSS)
U.S. Nuclear Regulatory Commission (NRC)
Washington, D.C. 20555

 Office: (301) 415-6822

 Fax: (301) 415-5369

 Mail Stop: T8-F5M

☆ Location: T8-E06B

 E-mail: amy.snyder@nrc.gov