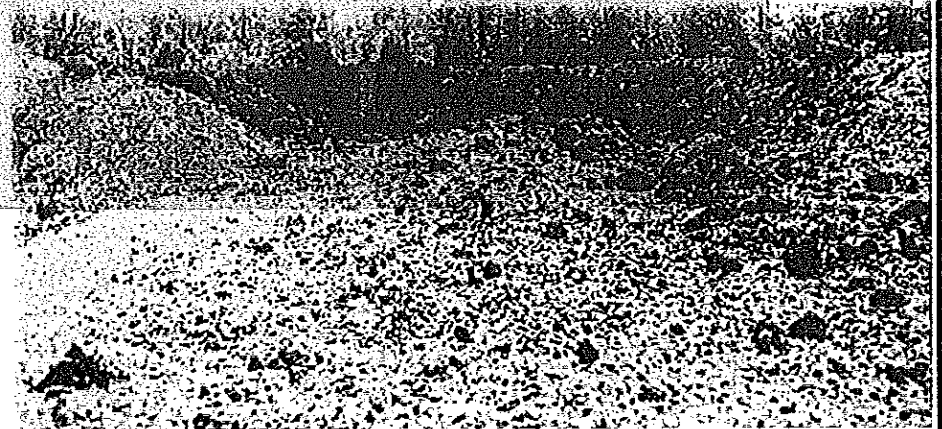
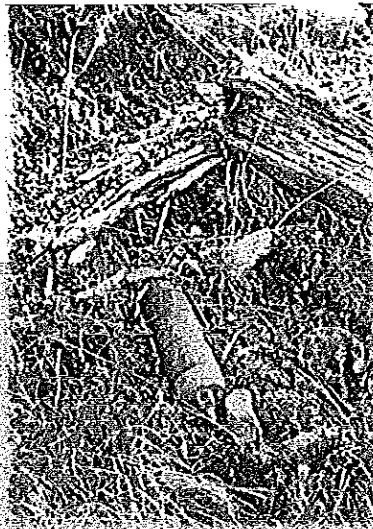


Final  
**Site Inspection Report**  
Fort Riley, Kansas

**Military Munitions Response Program**  
**Site Inspection**  
**Munitions Response Sites**



May 2006

**SEFL (FTRI-002-R-01)**

The SEFL was originally a single landfill that was bisected into eastern and western portions by the construction of Kansas Route K-18 (K-18). The eastern portion of the landfill was also the site of a former incinerator and was originally identified in the US Army Closed, Transferring, and Transferred (CTT) Range/Site Inventory as the SEFL MRS (FTRI-002-R-01). This eastern portion of the landfill (the original SEFL MRS) was transferred to the Kansas Department of Wildlife and Parks (KDWP) in 1991 following the construction of K-18. The western portion of the SEFL was not identified as an MRS during the US Army CTT Range/Site Inventory, but it was evaluated for eligibility during the SI. Both FTRI and USAEC personnel confirmed that this western portion of the landfill was already being fully addressed under the Army's IRP and would continue to be managed under that program. Thus, if any UXO, DMM, or MC is found in the future, it will be addressed under the IRP.

Within the eastern portion of the landfill, designated as the SEFL MRS (FTRI-002-R-01), multiple buried anomalies were detected, and one potential MEC item (identified as a 37 millimeter [mm] round) was found on the surface during a visual/magnetometer survey during the SI. Results of surface soil sampling indicated the presence of arsenic and lead at concentrations that exceeded the KDHE/BER Tier 2 Risk Based Standards for Soil – Residential Use. However, per discussions with and decisions reached with FTRI and USAEC personnel, any potential UXO, DMM or MC has been, and will continue to be, addressed under the IRP. The SEFL MRS, therefore, is no longer eligible for the MMRP and no further action under the MMRP will be performed.

**CFLFA MRS (FTRI-003-R-01)**

During the visual/magnetometer survey of the originally designated MRS, a number of different potential MEC items were observed on a sand bar in the Republican River: 7.62mm cartridges, 0.50 caliber cartridges, expended 2.36-inch rocket bodies, 2.36-inch rocket nose cones, and a 4.2-inch mortar base. Analytical results of surface soil samples did not indicate the presence of explosives at concentrations greater than detection limits, nor metals at concentrations greater than KDHE/BER Tier 2 Risk Based Standards for Soil - Residential Use. Due to operational boundary revisions performed by FTRI personnel, the actual landfill is now within an operational range and the originally designated MRS footprint area is no longer eligible under the MMRP. Therefore, the footprint of the MRS has been recommended to be re-designated to include the off-Installation sandbars and riverbanks of the Republican River, and to exclude the operational range area. The Installation boundary and the operational range boundary run adjacent to and across the Republican River. Thus, not all of the river and its sandbars are included within the MRS. Based on results of this SI, the MRS is recommended for

further characterization. During follow-on work, the Installation boundary and the operational range boundary should be closely evaluated to ensure the MRS is properly mapped, as the Republican River has shifted over the years.

A summary of the findings and recommendations for each MRS is presented in the following table:

MRS/MRA	Recommendation	Basis for Recommendation	
		MEC	MC
Sherman Heights Small Arms Range (SHSAR) MRA (FTRI-001-R) (198.93 acres)	<p>Expand the SHSAR MRA to include two MRSs: the SHSAR Firing Points MRS (198.93 acres) and the SHSAR Impact Slope MRS (46.78 acres).</p> <p>No Further Action for the SHSAR Firing Points MRS (FTRI-001-R-01).</p> <p>Further Characterization is recommended for the SHSAR Impact Slope MRS (FTRI-001-R-02).</p>	<p>No MEC or munitions debris were found during the visual survey. Because this area is extensively developed and maintained, the presence of MEC is unlikely.</p> <p>Potential MEC items were found during the visual/magnetometer survey of the SHSAR Impact Slope MRS.</p>	<p>Results of surface soil sampling for lead only, indicated concentrations of lead were less than the KDHE/BER Tier 2 Risk Based Standards for Soil – Residential Use.</p> <p>Lead and zinc were detected in one surface soil sample at concentrations greater than the KDHE/BER Tier 2 Risk Based Standards for Soil – Residential Use. Explosive compounds were not detected.</p>

MRS/MRA	Recommendation	Basis for Recommendation	
		MEC	MC
Southeast Funston Landfill (SEFL) (FTRI-002-R-01) (54.30 acres)	No Further Action because all UXO, DMM and MC has been, and will continue to be, managed under the IRP.	Not Applicable	Not Applicable
Camp Forsyth Landfill Area 2 (CFLFA) (FTRI-003-R-01) (26.70 acres)	Re-designate the MRS footprint to include the off-Installation sandbars and banks of the Republican River and exclude operational range area (6.43 acres).  Further Characterization is recommended for the Camp Forsyth Landfill Area 2 (CFLFA) (FTRI-003-R-01) MRS.	Several potential MEC items were found on the sand bars along the Republican River during the visual/magnetometer survey.	Results of surface soil sampling indicated that concentrations of metals were less than KDHE/BER Tier 2 Risk Based Standards for Soil – Residential Use, and explosives were not detected.